

Northern Mining News

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From the Executive Director ...

The big news this month has been the official opening of the NWT's newest diamond mine, Gahcho Kué. Studies by De Beers shows just how valuable the mine will be to the NWT and Canadian economies. And on the subject of new mines, our NU GM Elizabeth Kingston toured Nunavut's Hope Bay gold mine, which is in the final construction stages. The Conference Board of Canada is projecting some better times as a result.

The Chamber presented its recommendations to the House of Commons Standing Committee tasked with finding ideas to reinvigorate our minerals industry. Our presentation is posted, and we thank our Director Joe Campbell for his great delivery.

Despite the continuing challenging markets, we are thankful that we are still seeing some exploration underway, and we've provided a few updates in this issue.

Happy reading! ... Editor

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

NWT welcomes Gahcho Kué, its newest Diamond Mine

September 20, 2016 marked an auspicious day for the Northwest Territories, as it welcomed its newest diamond mine, Gahcho Kué. In an official opening ceremony held at the mine site, dignitaries from industry and public and Aboriginal governments toured the open pit mine, and then collectively cut the ribbon to officially open the mine.

“On behalf of the northern minerals industry, we would like to congratulate De Beers and Mountain Province for their hard work and patience to discover the diamond deposits 20 years ago,” said Gary Vivian President of the NWT & Nunavut Chamber of Mines. “But as importantly, their tenacity at raising the billion dollars required to permit and construct the Gahcho Kué mine, and unlock its riches. The benefits to the people of the NWT and Canada are very much appreciated and welcome.”

Gahcho Kué is a fly-in/fly-out remote mine site situated approximately 280km northeast of Yellowknife, the capital city of the Northwest Territories. Comprised of three open pits, the mine will employ 530 people full-time, with the majority working a two-week in/two-week out rotation. It is a joint venture between De Beers Canada Inc. (51 per cent) and Mountain Province Diamonds Inc. (49 per cent). De Beers, the manager, has completed the commissioning stage ahead of schedule and below budget, and is now ramping up to commercial production expected in Q1 2017. It is touted as the world’s largest new diamond mine. At full operation, Gahcho Kué is expected to produce approximately 4.5 million carats per year. At its currently projected 12 year mine life, a recently released De Beers [study](#) indicates the mine will contribute \$5.7 billion to the economy of the Northwest Territories. According to Kim Truter, Chief Executive Officer, De Beers Canada, the mine will “... ensure Canada remains the third leading diamond producer, by value, in the world.”

Local dignitaries included the Honourable Wally Schumann, newly appointed NWT Minister of Industry, Tourism and investment, representatives of the six Aboriginal governments with which De Beers has signed Impact Benefit Agreements, and many local business people. From afar came Anglo American CEO Mark Cutifani, De Beers Group of Companies global CEO Bruce Cleaver, and even politicians, shareholder and Board members from the southern African countries of Botswana and Namibia with which De Beers has joint ventures.”

The well run operation is on its way to becoming an even more significant contributor to the NWT economy through operations as it has already been during construction.

Our hats off to the De Beers staff for organizing a smooth and very welcoming event at the mine site!



Canada's Newest Diamond Mine to Provide C\$6.7 Billion Boost to Economy

Gahcho Kué, the world's largest new diamond mine under construction, will provide a C\$6.7 billion boost to the Canadian economy according to a [report](#) published today by EY for The De Beers Group of Companies.

The new mine, located in the Northwest Territories (NWT), is a joint venture between De Beers Canada (51 per cent) and Mountain Province Diamonds (49 per cent). Set to open officially later this month, it is expected to produce approximately 54 million carats of rough diamonds over its lifetime,¹ reinforcing Canada's position as the world's third largest diamond producer by value.

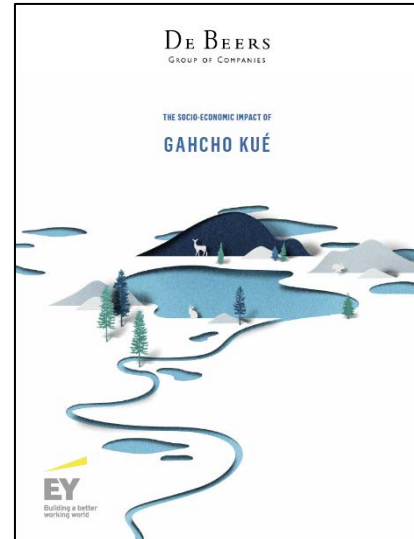
Underpinned by a C\$1 billion capital investment, the development of Gahcho Kué between 2006 and 2015 has already provided a C\$440 million boost to the NWT economy.

However, almost 90 per cent of Gahcho Kué's economic impact will be delivered once the mine becomes fully operational. Including its downstream supply chain impacts, the mine supported more than 2,700 jobs in 2015, with employment at the site representing more than 10 per cent of employment in the NWT's extractive industries.

The report, which looks into the socio-economic impact of De Beers in Canada, also shows:

- In the last 10 years alone, De Beers has contributed more than C\$7 billion to Canada's GVA² and exports supported by its mining operations have brought C\$4 billion in foreign currency into the Canadian economy.
- Across Canada, De Beers supports 11 communities, including C\$55 million in support to First Nations through Impact Benefit Agreements (2006-2015).
- De Beers' investment in its Victor Mine has underpinned the C\$3.7 billion in GVA that the mine has contributed to the Ontario economy (2006-2015), while supporting an average of 1,360 full time equivalent jobs annually.
- The relocation of De Beers Canada's headquarters from Toronto to Calgary is expected to make a C\$24 million annual contribution to Alberta's economy, while supporting almost 160 jobs annually in Alberta.
- De Beers has invested C\$750 million in exploration across Canada since 1961, supporting almost 100 jobs each year on average. The company has been responsible for the discovery of more than 170 kimberlites to date.

Kim Truter, Chief Executive, De Beers Canada, said: "Diamonds are perhaps one of Canada's best kept secrets, yet, as this



report shows, they contribute significantly to the economy. In the 50 years we have been in Canada, we have seen how our business can be a catalyst for delivering both economic and social value, locally, regionally and across the country.

“Gahcho Kué is an important project for us, but also for the Northwest Territories and local communities it supports. It will contribute economically through a significant annual spend that places a priority on partnering with communities, local procurement, local hiring and local social investment.”

De Beers has been operating in Canada since it carried out its first exploration programme in 1961. Last year, its operating mines collectively accounted for almost a third of Canada’s diamond export earnings.

The report can be viewed online at www.debeersgroup.com/thecanadareport.

Ekati workers back to processing after plant fire & big diamond sold

On September 22, Dominion Diamond Corporation announced the restart of the Ekati process plant and the sale of an exceptional diamond recovered at the Ekati Diamond mine earlier this year.

Process Plant Restart

The Ekati process plant resumed operations at full capacity on September 21. Plant operations had been suspended since a fire that occurred at the Ekati process plant on June 23, 2016. During this time, the Company implemented an active management strategy designed to mitigate the impact of the fire on production and cash flow for the current fiscal year. As part of this strategy, the Company reduced operating and capital costs by deferring mining activities at the Lynx and Pigeon open pits, while continuing to mine and stockpile higher value ore from the Misery Main open pit and Koala underground. The ore blend for the remainder of the current fiscal year is expected to be a blend of the higher value Misery Main and Koala ore of which approximately 750,000 tonnes was available in stock-pile when the plant resumed operations. The total cost of the process plant repairs is approximately US\$15 million.

"We are very pleased the process plant repairs have been substantially completed ahead of schedule and below our original cost estimate," said Brendan Bell, Chief Executive Officer. "This is a testament to the outstanding skills and determined efforts of our team at Ekati. Their contributions were instrumental in the development and implementation of our active management strategy which is expected to help minimize the impact of the fire on production and cash flows for this fiscal year."

Sale of Exceptional Stone

A 186 carat gem quality diamond was sold for US\$2.8 million at the Company's most recent sale



The 186 carat whopper unearthed at Ekati this spring.

in September. The Company recovered the stone in early June during the processing of feed from the Pigeon kimberlite. The stone was the largest gem quality diamond ever recovered at the Ekati mine.

"The Ekati mine is world-renowned for its premium gem quality diamonds," said Mr. Bell. "We are particularly encouraged that this exceptional stone was recovered during the processing of ore mined from the early benches of the Pigeon open pit. The recovery of a gem quality stone of this size is a reminder that there continues to be upside potential to the modelled prices used for our Ekati ore bodies"

Read EKATI and Diavik Diamond Mines Socio-Economic Reports

Ekati and Diavik annual socio-economic reports are now available.

Click [here](#) for Diavik's report, and [here](#) for Ekati's report.



Last steps underway at Hope Bay – complete and launch process plant

A site visit to Hope Bay

Hope Bay is one step away from producing gold, and that is completion of the process plant. The containerized components arrived this spring and are currently being installed. The Chamber's Nunavut General Manager Elizabeth Kingston visited the site in September and provides this story.

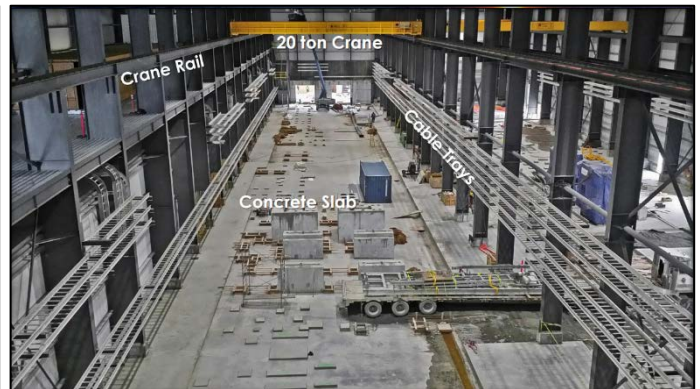
The September 11th visit to the Hope Bay Project began with sunny skies in early morning Yellowknife, the group's muster point. The Chamber was excited to be included with the tour hosted by TMAC Resources. Members of the group included representatives from the Government of Canada (Indigenous and Northern Affairs, Environment Canada), the



Hope Bay mine site looking from the east

Government of Nunavut, the Kitikmeot Inuit Association, and special guest Senator Dennis Patterson. Senior officials from the company – Catherine Farrow, Gord Morrison, John Roberts, Alex Buchan, and Oliver Curran – acted as guides at various points along the greenstone belt.

Located on four parcels of Inuit Owned Lands, the Hope Bay greenstone belt has seen significant exploration since 1965, and exploration continues. TMAC Resources took over the development of the Hope Bay Project from Newmont Mining Corporation in 2013. The greenstone belt includes a permitted mine at Doris North, and the Madrid and Boston deposits. TMAC has measured and indicated resources for these areas comprising 20 years of gold production. During 2015, TMAC secured equity and debt financing for gross proceeds of over \$350 M providing full funding for the company to achieve its *Path to Production* plan, beginning with the Doris Mine in early 2017.

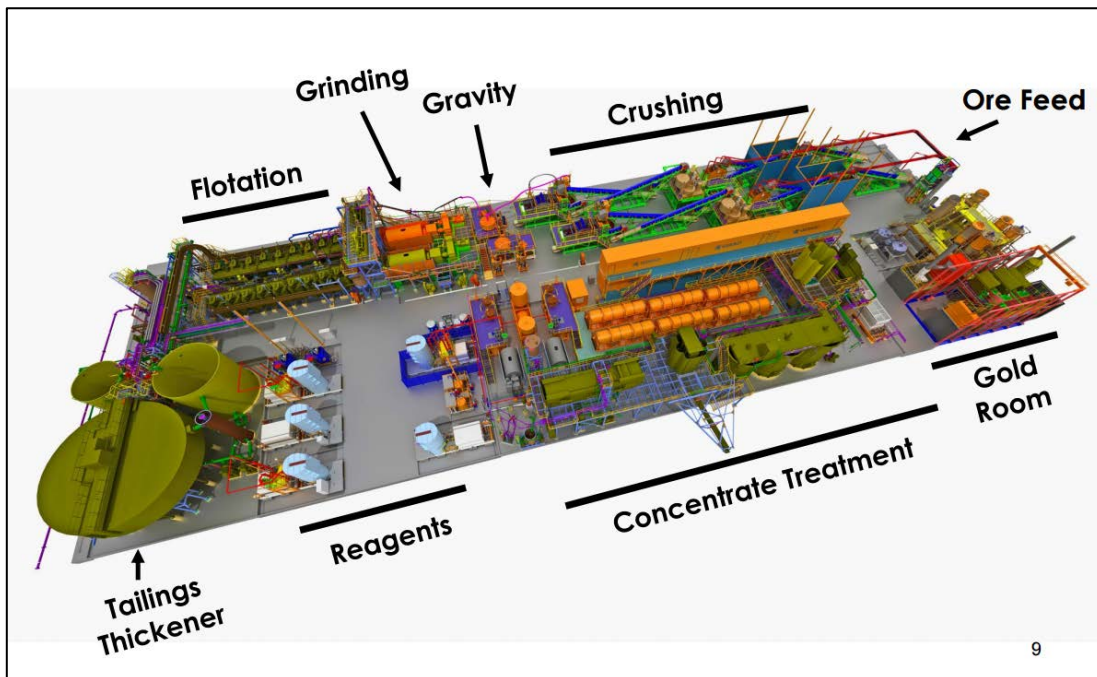


Contents of the containers that arrived by sealift from Australia (left) will be installed in the process plant (right).

Post tour, the company officials and regulators stayed on in Cambridge Bay for the final public hearing on the Project Amendment's Type A Water License, the final permit required before going in to production. (The Nunavut Impact Review Board issued the amended Project Certificate on September 23, 2016.)

Once Hope Bay is in production, Nunavut will have an operating mine in each of its three regions.

On September 26, TMAC announced that the Nunavut Impact Review Board had issued amended Project Certificate No. 003 to TMAC, marking the completion of the NIRB process, as it relates to this amendment. NIRB now transitions to a monitoring role with regular reporting by TMAC and an annual inspection by NIRB staff.



What the final Hope Bay process plant configuration will look like.

De Beers Publishes Diamond Insight Report

Millennials spend more than US\$25 Billion on diamond jewellery in 2015

Millennials spent more than US\$25 billion on diamond jewellery in 2015 in the four largest consumer markets, acquiring more than any other generation, according to [The Diamond Insight Report 2016](#), published today by The De Beers Group of Companies.

Despite Millennials (those aged 15-34 in 2015) facing more financial challenges than their parents' generation, they already account for almost half of the total retail value of new diamond jewellery acquired in the four largest markets – the US, China, Japan and India.

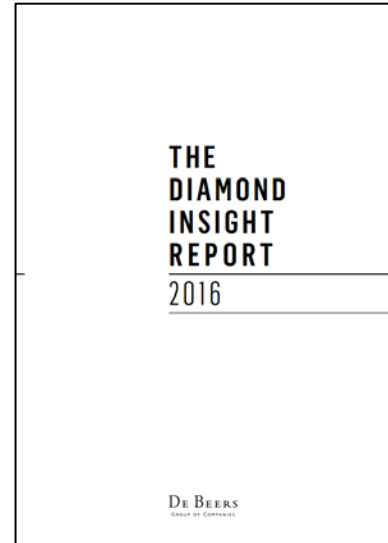
In the top four markets, which account for 73 per cent of global diamond jewellery demand, the potential Millennial market for diamond jewellery is more than 220 million people. Meanwhile, the Millennial generation is not expected to reach its most affluent life stage for another 10

years, meaning this demographic also represents the diamond sector's largest growth opportunity.

Millennial consumers also display particular purchasing trends. For example, self-purchasing of diamond jewellery is an important and growing acquisition route among Millennials, with this generation's self-purchases in the US representing 31 per cent of all non-bridal diamond jewellery pieces acquired in 2015. Given the differences from previous generations' buying behaviours, the diamond industry will need to adopt effective strategies for maintaining and growing demand from the Millennial consumer group.

Alongside suggesting ways in which the industry could capitalise on the opportunity with the Millennial generation, the report also found that:

- Despite lower rough diamond demand in 2015, consumer diamond jewellery demand remained robust at US\$79 billion, driven by five per cent growth in the US.
- China, the second largest market, also saw growth, albeit at a lower rate (three per cent in local currency). In India, consumer demand slowed as a result of a more restricted consumer credit environment and overall weakness in consumer spending.
- Consumer demand growth will continue to be generated from the US and Asia, particularly China and India, driven by increasing household income over the next 10 years.



Bruce Cleaver, CEO, De Beers Group, said: "Millennials are already expressing very strong demand for diamond jewellery in the major consumer markets, acquiring more than any other generation.

"Most encouragingly, however, Millennials are still 10 years away from their most affluent life stage and the generation comprises more than 220 million potential diamond consumers in the four main markets. The diamond industry therefore has a major opportunity on the horizon but it will only capitalise on it fully if it continues to innovate and invest across the value chain."

Good news from Amaruq – 13% Increase in Inferred Mineral Resources

Agnico Eagle Mines Limited provided an update on exploration drilling results at its Amaruq gold project in Nunavut. This deposit continues to grow and remains a focus for the Company given its potential and its proximity to Agnico Eagle's Meadowbank mine and mill. This update includes an expanded mineral resource estimate for the project based on drilling through June 30, 2016.

Highlights include:

- Overall mineral resources increased by 13% at the Amaruq project – Drilling in the first half of 2016 has resulted in an updated inferred mineral resource estimate of 3.71 million ounces of gold (19.4 million tonnes grading 5.97 grams per tonne ("g/t") gold) as

of June 30, 2016. This represents an increase of 432,000 ounces (on a contained gold basis) compared to the December 31, 2015 estimate

- Open pit mineral resources increase by 33% – The updated estimate includes a 598,000-ounce increase (on a contained gold basis) in open pit inferred mineral resources to 2.42 million ounces gold (13.6 million tonnes grading 5.53 g/t), compared to the December 31, 2015 estimate.
- 319% expansion in the IVR deposit mineral resources; V Zone confirmed as potential second source of open pit ore – Contained gold in inferred mineral resources at the IVR deposit increased by 649,000 ounces (an increase of 319%) to 852,000 ounces (3.9 million tonnes grading 6.84 g/t gold) compared to the December 31, 2015 estimate. The IVR deposit contains 549,000 ounces of gold (2.5 million tonnes grading 6.71 g/t gold) within the overall open pit mineral resources — The majority of this mineral resource is contained in the V Zone which has been traced down to 542 metres below surface and remains open at depth.

"The 2016 exploration program at Amaruq has resulted in an increase in gold resources and the delineation of a potential second source of open pit ore at the V Zone. In just a short period of time, we have seen Amaruq advance from a grassroots discovery to a significant development project with 3.7 million ounces of gold resources", said Sean Boyd, Agnico Eagle's Vice-Chairman and Chief Executive Officer. "We anticipate an updated mineral resource estimate in February 2017, and Amaruq is expected to provide a new source of ore for the Meadowbank mill starting in 2019", added Mr. Boyd.

Read the full release [here](#).

Kennady Diamonds Announces Kelvin Bulk Sample Diamond Recovery Results

- **Sample grade 2.09 carats per tonne**
- **Largest diamonds recovered: 3.43 carats, 3.23 carats, 2.84 carats**

In mid-September Kennady Diamonds Inc. announced diamond recovery results from its large diameter drilling program focused on the north limb of the Kelvin kimberlite. A total of 1,278 carats of diamonds (+0.85mm) was recovered from 612 tonnes for a sample grade of 2.09 carats per tonne. The result is very similar to the 2015 bulk sample grade of 2.02 carats per tonne reported in 2015 from the south limb (see news release, August 26, 2015).

In this latest result, 44 diamonds of one carat or greater were recovered with the largest stone a 3.43 carat white/colourless transparent octahedral twin with no inclusions (shown below).

President and CEO of Kennady Diamonds, Dr. Rory Moore commented: "We are very pleased with the result from the 2016 Kelvin bulk sample, as it demonstrates that the high diamond grades established for the south limb in 2015 extend over the full extent of the north limb of the body as well. This confirms the potential of the Kelvin kimberlite to host a high-grade diamond resource."

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

- 3.43 carat white/colourless transparent octahedral twin with no inclusions;
- 3.23 carat grey, translucent irregular shape with inclusions;
- 2.84 carat white/colourless, transparent octahedron with no inclusions;
- 2.57 carat white/colourless, transparent broken irregular shape with no inclusions;
- 2.14 carat off-white, transparent tetrahexahedron with no inclusions.

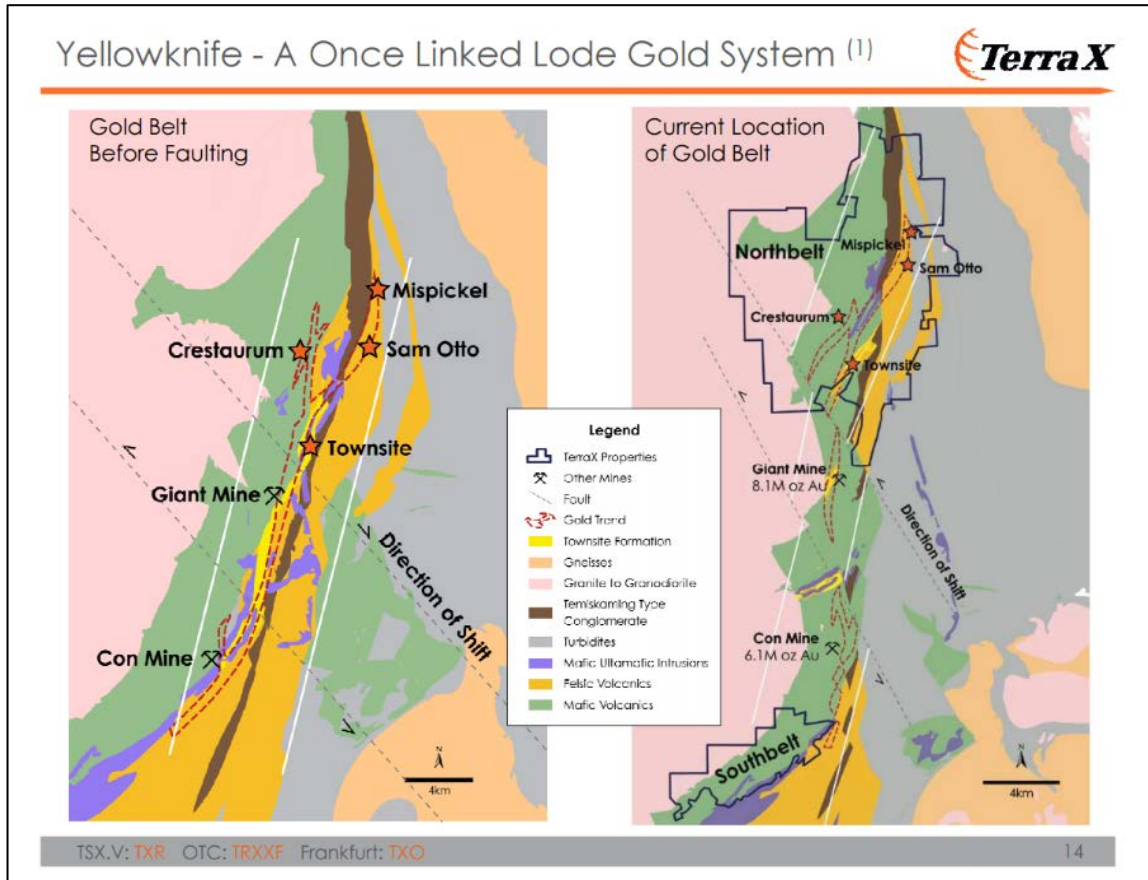


Images of select diamonds from the 2016 Kelvin North bulk sample will be posted on the Company's website at www.kennadydiamonds.com under the tab "Media Links" in the coming days. Read the full release [here](#).

Some exploration snippets

- **North Arrow** has completed an active summer of exploration primarily focused on till sampling programs at three projects, including these two in NWT and Nunavut: the new Loki Diamond Project located in the Lac de Gras area of the NWT, and the Mel project in Nunavut. The sampling programs were intended to evaluate target areas at Loki and to better define potential drill targets near the heads of well-established kimberlite indicator mineral (KIM) trains at the Mel Diamond Project. Results from the sampling programs will be reported as they become available over the next several months. Learn more [here](#).
- In July 2016, **Nighthawk Gold Corp.** launched a 10,000 metre program on their Indin Lake Greenstone Belt. Two drills are presently active testing priority targets at both the Colomac and Goldcrest deposits. "We are extremely encouraged with our drilling at Colomac's Zone 1.5. We have not only proven that distinct higher grade domains clearly exist at Colomac, but that they can be sizable bodies of relatively predictable geometry and great continuity. Subsequent holes will further refine our understanding and help target new opportunities as we continue to advance this multi-million ounce, underexplored deposit." said Dr. Michael Byron, President and CEO. "Our summer drill program will be completed by late September followed by a winter 2017 drill program in mid-February, leading to a possible resource update by mid 2017." Read more [here](#).
- **TerraX's** Mispickel showing is revealing very exciting results with strong gold drill intersections. On September 22, they reported assay results from the first 4 holes (1,076 m) of a planned 27,000 meter drill program on their Yellowknife City Gold Project immediately north of Yellowknife. All four holes are from Mispickel and intersected significant zones of gold mineralization. The gold zones remain open along strike and down dip; drilling is ongoing. Highlights include: 5.53 m @ 29.85 g/t Au, including 1.00 m

@ 162.50 g/t Au, in the hanging wall zone of hole TWL16-020; 5.85 m @ 12.47 g/t Au including 1.00 m @ 67.00 g/t Au in hole TWL16-019. Three drills were drilling at report time. Expect results to be reported over the next 14 months. Read more [here](#) and watch the President’s presentation at the Colorado Precious Metals Summit [here](#).



Slide from TerraX's latest [corporate presentation](#).

- **Silver Range Resources** announced that it has executed an Option Agreement for its Up Town Gold Project with **Rover Metals**. The terms of the agreement are consistent with the previously announced letter of intent (LOI) announced August 30, 2016. The Up Town Gold Project is a high grade Archean lode gold prospect within 6 claims bordering the west side of the Giant Mine leases. It adjoins TerraX Minerals’ Yellowknife City Gold Property where recent drilling has returned 5.53 m @ 29.85 g/t Au (see below). The Up Town Gold Property is road accessible year round via the Ingraham Trail (Territorial Highway 4) which runs through the eastern portion of the claims. Small scale high grade mining was conducted at the Rod Vein in 1979. Silver Range Resources purchased the Property in 2016 and recently completed systematic property-wide lithochemical sampling, alteration mapping and airborne total magnetic field and radiometric surveys. Read more in the release [here](#) and about the project on Rover Metals site [here](#).
- **Auryn Resources** provided an update with partial results from its summer exploration program at the 300 km long Committee Bay Gold Exploration Project. Highlights include 13.71 metres of 1.91g/t at the Anuri prospect and 23 metres of 2.5g/t and 30 metres of

2.12g/t from the Three Bluffs deposit. During the 8 week summer program, the Company completed a major screening of the Committee Bay greenstone belt with approximately 10,000 metres of rotary air blast (“RAB”) drilling, 3,750 metres of diamond drilling at the Three Bluffs deposit, 5,500 regional till samples, 3,100 XRF till samples, 1,000 line kilometres of mapped boulders and 3,500 square kilometers of drone imagery over an 8 week field season covering an estimated 85% of the belt. Read the full details [here](#).

Editorial – Let’s limit mining’s footprint – a modest proposal

Following is a recent tongue-in-cheek editorial piece by Gary Vivian, the President of the NWT & Nunavut Chamber of Mines, that was carried in the October 3 News/North

I think we should limit the footprint of mining.

I can’t believe that, as one who makes his living from the mining industry, I’m writing this so please bear with me

Canada has made international commitments to conserve 17% of the country from development. The egalitarian might say then, OK how about we limit development to the same amount, 17%? That would be fair, wouldn’t it?

For the sake of argument, how about we throw the whole model of conservation and development areas out the window?

Let’s put forward the idea that the overall footprint of our operating mines should be really reined in. Let’s go crazy and say the footprint of operating mines should be allowed to only occupy 1% of the area of the NWT. Since somebody is picking numbers like 17% conservation out of the air, let’s use the same approach and pick a nice round number like 1%. It would sound good to our international neighbours, wouldn’t it? Hey, we have limited the physical footprint of our mines to a measly 1% of our lands. How about you guys?

I can hear the cries already, and even from my own industry compatriots: Are you nuts? One per cent?!

But let’s dig into this just a little bit deeper.

The footprint of Diavik, a medium sized mine, is 13 square kilometres. That of Ekati, our largest footprint is 33 sq.km. Our newest diamond mine, Gahcho Kué, might comprise just over 12 sq km. Let’s add in Snap Lake and Cantung, which are no longer operating and will eventually be reclaimed (of course they all will be reclaimed in time, returning the land to wilderness, and their footprint to essentially zero).

So let’s see, doing the math gives you, in round numbers, say 100 square kilometres for 5 mines.

DID YOU KNOW?

- The area of the current producing mines in the NWT is about 0.007% of the area of the NWT.
- A mine like Diavik will generate over \$1 billion per square kilometre for 20 years before being reclaimed.
- It begs the question, why does so much land have to be conserved?

The area of the NWT is a whopping 1,346,106 square kilometres. This makes the area of all of our existing mines then equal to ... 0.007% of the NWT. So with my ridiculously stingy concept to limit our operating mines' footprint to 1% of the area of the NWT, it means we could have over 100 operating mines!

Hmmmm.

I cannot see us ever having 100 operating mines. At any one time, we have only ever had half a dozen mines operating.

So it begs the question then: "Why do we have to protect so much land from development?" Farming, ranching, forestry, and new cities aren't huge possibilities, so in much of the NWT, the only development we are going to see is from mining.

There are some in government, and the green community, that are advocating for huge conservation areas, significantly more even than Canada's 17% commitment.

When you consider that a mine like Diavik will generate over \$1 billion per square kilometre over its brief 20 year mine life before being reclaimed, it's hard to believe that anyone would want to compromise this kind of benefit by alienating huge amounts of land.

Maybe our leaders should think this through a bit more. For if they don't, it will cost us much lost opportunity ... unnecessarily.

Can we really afford that?

I'd say NO!

Tlicho Government increases ownership in Tlicho Landtran Transport Ltd

Tlicho Landtran now North's only 100% northern owned/operated transport company

On September 7, the Tlicho Investment Corporation announced that on August 26, 2016, through their subsidiary 964053 NWT Ltd., it acquired the 49% shareholdings of Tlicho Landtran Transport Ltd from Landtran Group Holdings Inc. With this purchase, The Tlicho Investment Corporation now fully owns Tlicho Landtran Transport Ltd, making the company 100% northern owned and operated.

"All benefits from the operation of Tlicho Landtran Transport will now accrue to the Tlicho people and its shareholders and partners, and we want to thank the Tlicho people and our clients for their ongoing support as we move the organization forward," said Jasper Lamouelle, President of the Tlicho Investment Corporation. "We will continue to provide our valued clients with the service they have come to expect from us and are reaching out to all of our clients to make the transition as seamless as possible as we approach another busy winter road season."

Tlicho Landtran Transport will contract with [Ventures West Transport LP](#) to provide a wide variety of operational and administrative services while maintaining the current complement of local employees. As part of the transition, the Tlicho Investment Corporation has entered into an agreement with TF Energy Solutions Inc. to provide transportation services beyond its current operating perimeter.

Current freight services coming from southern locations to the North will maintain the same schedules as previously operated. To ensure continuity of service, the Tlicho Investment Corp has acquired land and facilities in the NWT and Alberta to facilitate the continuing operations.

Get an inside look at ships servicing the Mary River Mine

Did you know you can get an idea of what ships are servicing the Mary River mine, or operating in the vicinity? Visit their website here: <http://www.baffinland.com/the-project/location/> where you will find the exactAIS® global vessel monitoring and tracking service based on AIS (Automatic Identification System) data from polar orbiting satellites.

Clicking on a vessel displayed on the map portal will display such information as:

- Last reported coordinates of the vessel
- Was the vessel moving?
- Which direction was the vessel moving in?
- Destination of the vessel

The vessel locations plotted on the map are not “real-time”, but are a regularly updated snap shot of vessel movement in the North Baffin region. Baffinland encourages all land and water users to continue to practice safe boating, hunting, and other travel activities, and be aware of your surroundings at all times.

The Project shipping season is from mid-July to mid-October of each year.

Please note, the system may also detect vessels in the defined area which are not related to the Baffinland project.

NWT Politicians Positive on Resource Development – some recent events

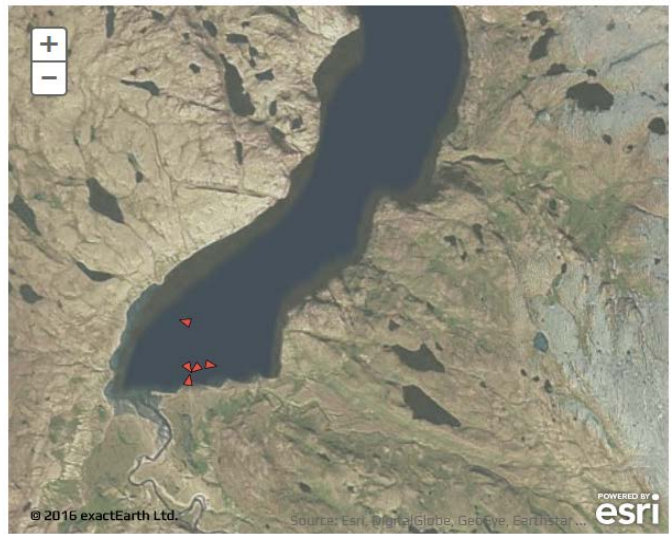
We’ve seen some of our top NWT politicians attending recent events, and speaking strongly in favour of mining development in the Northwest Territories. Here are three:

- **NWT Premier Bob McLeod** Keynote Address to the *Opportunities North* Conference held in September in Yellowknife. Find the full speech [here](#).

We are working to increase awareness, knowledge and understanding of the NWT’s world-class resource potential with a view to attracting this investment.

And, in addition to resource development, we are promoting infrastructure development. We are in full agreement with the recent statement by the NWT Chamber that infrastructure drives

Shipping update:



Small red dots are ship locations close to the Mary River port site.

cost-savings and opportunity for business and residents alike, and is critical to a healthy economy.

We recognize that by making land available in an orderly and responsible manner; by settling land claims, finalizing land use plans and reviewing conservation targets, we can support responsible resource development consistent with the values and priorities of our residents.

We are committed to ensuring Aboriginal governments share in the benefits of economic development, by sharing in resource revenues, and through direct employment and contracting. We continue to engage with our Aboriginal governments in the spirit of respect, recognition and responsibility that defines the environment of partnership. Cooperation will be the foundation for development in our communities and regions.

The work to develop an NWT Mineral Resources Act has begun with a view to streamlining and modernizing our regulation of mining.

Mining and mineral-related activities are, and for some time will be, the largest provider of jobs, and the main driver of the territorial economy. We need the benefits from this non-renewable resource production to enable our investment into other sectors of the economy.

- **NWT Minister of Industry, Tourism and Investment Wally Schumann** address to the *Mines and Money* Conference held in September in Toronto. Find the full speech [here](#).

We have some of the largest proven mineral reserves in Canada; a virtually-untapped rich geological potential capable of supporting a healthy mining sector for generations to come.

This means opportunity and a number of advantages for those willing to partner with us to advance the future of responsible resource development in our territory.

We are already leaders in building the strong, defined environment of Aboriginal engagement and participation that exists in our mining sector. We work in concert with Aboriginal governments to share in the decision-making, knowledge, and even direct benefits of our resource industries - ultimately building a stronger foundation for exploration, investment and development.

Foundational to the political stability of our region is the support that exists for mining - both from our government and our people. The mandate of our government articulates specific support for mining and infrastructure, along with legislative initiatives to advance investor certainty and confidence. The proof is in the NWT Mineral Development Strategy - a specific, overarching plan to promote and support mineral development in the NWT.

Under our NWT Mining Incentive Program, more than 1 million dollars has flowed to junior mining and exploration companies in the last three years, companies willing to invest in our North.

We have invested heavily to ensure world-class geoscience information is publicly available and contributes to enhancing exploration and development activity in our North.

We continue to invest and expand our trained, experienced resident workforce. And like only a small jurisdiction can, we work directly with companies to navigate the business landscape and facilitate the all-important relationships with our communities.

We need infrastructure investment to support and get many of our mining projects off the ground.

Today's Northwest Territories has what you need to build solid mineral projects – and to be confident in your investments. We have the mineral supply to fuel the future of the international economy. We have the political stability to ensure the security of your capital. And we have the widespread support necessary to grow and sustain projects. We need the expertise, drive, and investment of people like you. And we're willing to partner to get it. We're open for business.

Rays of Sunshine on the Horizon for Most Territorial Economies

Economic growth in Nunavut and the Northwest Territories is expected to improve in 2017. Meanwhile, the economic outlook for Yukon remains bleak. Economic growth is expected to average 1.8 per cent in the three territories between 2016 and 2020, and rise to an average of 3 per cent beyond 2020, according to The Conference Board of Canada's latest Territorial Outlook.

"As commodity markets rebalance and prices start to recover, a few new mining projects are expected to be under development and start producing before the end of the decade," said Marie-Christine Bernard, Associate Director, Provincial and Territorial Forecast, The Conference Board of Canada. "In the meantime, public sector investment in infrastructure will help the territorial economies over the near term."

Highlights

- While financing conditions remain difficult in the mining sector, the outlook is expected to improve for the territories, mainly in the early 2020s.
- Following growth of 3.6 per cent this year, Yukon's economy is expected to contract by 7.7 per cent in 2017.
- Northwest Territories' economy will gain just 0.3 per cent this year after the closure of the De Beers Snap Lake mine in December 2015.
- Nunavut's economy is forecast to contract by 2.1 per cent this year, but rebound strongly in 2017.



Nunavut

While Nunavut's economy is expected to contract by 2.1 per cent this year, there are rays of sunshine in the horizon. The economy is expected to grow 4.9 per cent in 2017, as metal mining is expected to rebound strongly following a few difficult years. The public sector will be helping the economy over the near term by investing in infrastructure including the continued work on the Canadian High Arctic Research Station, upgrades to the Iqaluit airport, and work on public housing and a few new schools. Over the long term, Nunavut can expect to see solid real GDP growth for the majority of the 2020s following the start of production at Meliadine.

Northwest Territories

The economy of the Northwest Territories is expected to gain just 0.3 per cent this year after the closure of the De Beers Snap Lake mine in December 2015. Weak commodity prices are still clouding the skies, as the pickup in rough diamond prices is still fragile and in the early stages. Nevertheless, diamond production is expected to pick up in N.W.T. as Gahcho Kué, a new diamond mine that started operations in the summer, is set to produce 5.3 million carats in 2017. Non-metallic mineral mining output (which includes diamond production) is expected to increase sharply next year and cause a jump in the territory's real GDP of 15.6 per cent.

Yukon

Yukon's economy is facing the bleakest near-term outlook of all the provinces and territories, as bad news keeps piling up for the territory's mining sector. Minto, the sole remaining mine in operation, announced it will stop open-pit mining and only process the stockpile until there is no ore remaining. This will leave the territory without any large-scale mining operations by mid-2017. Yukon's real GDP is forecast to grow by a solid 3.6 per cent in 2016, but then contract by 7.7 per cent in 2017 and 3.1 per cent in 2018. The longer term outlook is expected to improve for Yukon's economy as commodity prices recover, breathing life into the mining sector. Projects on the books include gold mines such as Coffee, Eagle Gold, and the larger Casino undertaking.

Chamber presents to Federal Standing Committee on Natural Resources.

On September 22, Joe Campbell, President of TerraX Minerals represented the Chamber of Mines at hearings held by the House of Commons Standing Committee in Ottawa. Also appearing at the same session were the Mining Association of Canada and the Canadian Chamber of Commerce. The Chamber of Mines submission provided the Committee with an overview of how mining is good for the North, and then provided its recommendations on the following three broad areas where improvements are needed to provide investment certainty in the NWT and Nunavut:

- Improve Access to land
 - Settle Land Claims in the NWT
 - Reduce Conservation Initiatives
 - Fix the Nunavut Land Use Planning process
- Address Regulatory Efficiency
 - Don't Invoke Cost Recovery in NWT and Nunavut
 - Provide regulatory capacity
 - Finally modernize Nunavut's tenure system
- Reduce the Infrastructure Deficit to help level the playing field



Download the presentation and speaking notes [here](#).

Members of the Committee were quite interested in our minerals industry and Mr. Campbell's thoughts. Listen to the Committee's discussion [here](#).

New report on Duty to Consult from Canadian Chamber

Work with Indigenous People and Business to Clarify Duty to Consult, Asks Canadian Chamber in New Report

The Canadian Chamber of Commerce has released a report that asks the federal government to bring more clarity to the roles of all parties involved in the constitutional duty to consult and accommodate Indigenous peoples in a new report launched today.

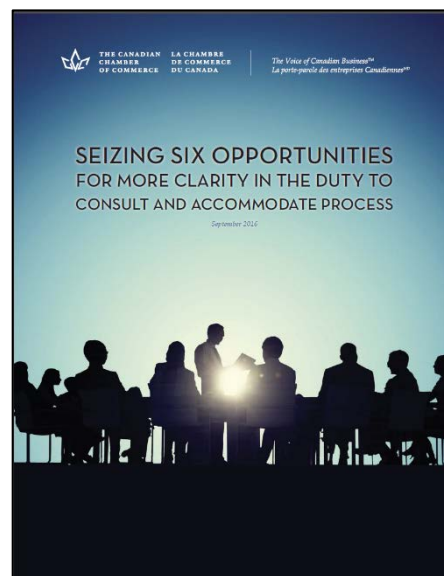
“Governments must consult Indigenous peoples and accommodate them when proposed projects would affect their constitutionally-protected rights. They may delegate the procedural aspects of this duty to business, usually by mandating project proponents to consult during the regulatory process. This is usually a positive way for industry and the Indigenous communities to work together, but the lack of a clear framework on how to do this can undermine everyone’s interests,” explained the Hon. Perrin Beatty, President and CEO of the Canadian Chamber of Commerce.

The uncertainty businesses of all sizes and Indigenous communities’ experience when faced with the lack of clarity in the duty to consult process can lead to unfortunate consequences. Project delays and cancellations can result. Canada’s legal and regulatory stability is a competitive advantage to our businesses and attractive to prospective foreign investors. A glaring exception is the duty to consult and accommodate process. Adding more clarity would improve our international competitiveness as well as the quality of life of Indigenous peoples and all Canadians.

“The negative consequences aren’t just bad for business – they can also work against the interests of Indigenous communities. In many cases, these communities support projects that will have long-term benefits for their people, which include jobs, infrastructure and the creation of new businesses,” said Mr. Beatty.

This report is the result of nearly a year of consultations with over 90 business and Indigenous representatives, legal experts and government officials. Its findings include that sometimes businesses find their projects face roadblocks because Indigenous communities want to make a point with the Crown regarding un-kept promises that affect their quality of life, including safe drinking water and adequate housing, and not because they oppose the proposed development. “Clearly the federal government can improve this situation by living up to its commitments to improving Indigenous peoples’ quality of life as well as measuring and communicating its progress as it does so,” added Mr. Beatty.

“Businesses also know that they have a responsibility in this process,” said Mr. Beatty. “They need to regard consultation with Indigenous peoples as an investment in their businesses and that they can do a lot to help themselves by engaging early and often with Indigenous communities.” The report is available [here](#).



Did you know? Canada's mining, smelting, refining GHG emissions below 1990

Diavik a good example of what's possible

That might come as a surprise to most, but GHG emissions from mining and smelting and refining are at or below 1990 levels, respectively. Mining Association of Canada President Pierre Gratton revealed that in his annual speech to the Vancouver Board of Trade on September 21.

This is largely a result of company action and industry-wide commitment. Today, three-quarters of MAC's member facilities have comprehensive energy and GHG management systems in place. One of them, New Gold's New Afton mine, is the first Canadian mine to achieve ISO 50001 Energy Management certification.

In BC, Teck is piloting LNG as a fuel source in haul trucks at Fording River – the first time this has been tested in Canada. This innovative solution has the potential to eliminate approximately 35,000 tonnes of CO₂e annually at Teck's steelmaking coal operations and reduce fuel costs by more than \$20 million. Since 2013, Taseko's Gibraltar mine has reduced diesel consumption by 285,000 litres, saving \$1.3 million and reducing 900 tonnes of GHG emissions annually. And at

In addition to energy efficiency projects, several MAC members have built renewable power facilities across Canada and globally, as these technologies become more proven and cost-effective. Diavik is a prime example, and their four wind turbines are reducing the mine's annual diesel consumption by about 5 million litres, helping reduce annual GHG by about 14,000 tonnes or 6 percent of their emissions.

Read more in Pierre Gratton's [Vancouver speech](#).

Call for nominations – nominate your mine for its energy innovation

Alongside the Energy and Mines World Congress in November (see Calendar of Events), Energy and Mines is hosting the [Energy and Mines Renewables in Mining Awards](#) to recognize and celebrate the mining leaders who have invested in renewables solutions. To nominate your company or client for an award, click [here](#). Nominations are open until **October 8th** and the awards will be presented at a gala dinner on November 21st at the Hilton Toronto.

For further details on the awards, contact Adrienne Baker at Energy and Mines at Tel: 613 627 2787 or adrienne.baker@energyandmines.com

Scotiabank – Commodity Price Index – September 2016

- **Zinc prices continue to show fundamental strength, though the pace of the rally appears to have temporarily slowed.**

Some **highlights**:

The Metals & Minerals index gained 1.3% m/m in August on the back of continued zinc and nickel strength, as well as further frothiness in the metallurgical coal market.

Copper prices have remained relatively flat, range-bound between roughly \$2.10-2.20/lb, and the mid-September mini-rally back toward \$2.20/lb appears to have come on the back of profit-taking on speculative short positions. A recent surge in new Peruvian mine supply — up 50% so

far this year on the back of increased domestic mine activity, particularly at the recently opened Las Bambas project — has mostly found its way into China, which holds the bulk of the world’s spare copper refining capacity (Chart 4). Normally, rapidly rising Chinese imports of copper concentrate (up 33% y/y through August, with Peruvian tonnage nearly doubling) would be a bullish signal for the copper market if it wasn’t for the fact that Chinese exports of refined copper are also rising at a break-neck pace (up almost three-fold in the May-August period relative to last year), though China remains a net-importer of refined copper.

Zinc prices continue to show fundamental strength, though the pace of the rally appears to have temporarily slowed. Reductions in zinc concentrate supply due to a series of mine closures and economic idling have set the stage for a sizable deficit in the refined market, and refined zinc inventories have already fallen by roughly 10% year-to-date on the major exchanges. We expect this trend to continue through 2018 as prices rise to levels that incentivize new mine investment and idled mines back onto the market.

Scotiabank GLOBAL ECONOMICS
SCOTIABANK COMMODITY PRICE INDEX
September 30, 2016

After Algiers: OPEC Announces Tentative Output Agreement, But Will It Stick And Does It Matter?

- OPEC surprised members with a tentative agreement targeting a combined production ceiling of 32.5-33.8 Mbpd, down from 32.24 Mbpd in August. We first expect to reflect member production as expected before details are decided upon at the official OPEC meeting on November 30th.
- This is likely to be a relatively small cut. If it happens at all, and it is possible that additional from "transparency" members overshadows other reductions, that said, any agreement announcement of OPEC's expected output path points upward pressure on our current WTI price forecast.
- The Federal government approved the construction of the Pacific Northwest LNG project in British Columbia, subject to the project meeting 160 highly-binding conditions including a 20% reduction in annual GHG emissions.
- Nickel prices are likely to hold recent gains given announcements of further mine suspensions in the Philippines, with more than half of the country's nickel mine capacity at risk of suspension.

OIL & GAS

The OIL & GAS index contracted by 4.7% this week in August on the back of further oil price weakness. The oil market remains congested by roughly 1.7 million barrels per day (bpd), global inventories remain at record levels, and production appears to be slowly rising to the one level or more through a combination of cost-reductions and rising technical efficiencies.

Against this backdrop, members of the Organization of Oil Exporting Countries (OPEC) met at the sidelines of the International Energy Forum in Algiers on September 28, 2016 to once again discuss the oil market and strategies to manage its ongoing supply glut. Scoble said that while it is possible a deal, but against expectations the members announced that an agreement was reached on September 29th. Members agreed to a combined production ceiling of "between 32.5 and 33.3 Mbpd" relative to the 32.24 Mbpd average of August. The group is unlikely to have any spare capacity until it is decided before the official OPEC meeting on November 30th (OPEC 1). However, there is no price support more than 10% away from recent levels at the time, though the market will eagerly determine the efficacy of any collective cut.

All else equal, this is a bullish development for the oil market. Participants of OPEC cannot look to the other side and expect prices to rise as an incentive agreement — the cartel's first since 2009 — should be viewed as an agreement. Furthermore, we now expect there to be a market surplus of the price premium of Saudi Arabia, which has originally had to be covered by member production in any non-market sector. More to come, but the message is clear.

Visit our website at www.scotiabank.com/commodity or contact us by email at scotiabankcommodity@scotiabank.com

Download the entire newsletter [here](#) or click on the report thumbnail.

Dominion Diamond Community Newsletter

Dominion Diamond is pleased to provide you with a copy of the Fall 2016 edition of the Dominion Community Newsletter. Our goal is to keep in touch with the communities and provide updates on some of our programs. Dominion Diamond is now also on Facebook. You can find them at www.facebook.com/DominionDiamondCorporation. Please visit and “like” our page.

Featured in this newsletter:

- In Memory of Bob Gannicott
- Update on the Jay Project
- Caribou Engagement Program
- Caribou Crossings at the Ekati Mine
- Breakfast for Learning program
- Jay Project Water Licence application
- Employment Opportunities
- Photos of Summer Activities
- Activities and Events
- Dominion Diamond Saturday Request Show
- SEA Report 2015
- Scholarship Deadline - October 31

DOMINION DIAMOND CORPORATION
Dominion Community Newsletter

Volume 2 - Issue 2
Fall 2016

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In Memory of Robert Gannicott

This has been a challenging summer for the company, particularly as a result of the fire in the process plant on June 25. I am pleased to announce that the report has proceeded well, and we anticipate that processing in the plant will resume by the end of September.

We appreciate the sympathy and understanding that has been extended to us as a company by the community and members of the industry after the fire, as well as after the incident.

We have been touched and honored by the kind words and well wishes from all of you.

Sincerely,
Robert, Bob, CEO

Jay Project Update

Board Approval for Jay Project

At the beginning of July 2016, Dominion Diamond's Board of Directors approved the development of the Jay Project based on the positive results of the feasibility study and the revised project schedule and timeline plan.

The feasibility study confirmed the economic and technical viability of the Jay Project. Dominion is confident in the outlook for the diamond market and believes the mine life extension provided by Jay positions us well for the future.

Next Steps

There is still work to be done to complete the permitting for the project. There are two final required water licence and land use permit applications, which is the next step in the environmental approval of the Jay Project.

Please refer to the list of activities on page 5 for meetings and workshops related to the permitting process for the Jay Project.

DOMINION DIAMOND CORPORATION COMMUNITY NEWSLETTER | FALL 2016

The document is available on the Dominion website: <http://www.ddcorp.ca/responsibility>.

Welcome New Members!

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

- **Acasta HeliFlight Inc.** is a newly founded helicopter company based in Yellowknife. According to its President Adam Bembridge, "I'm extremely proud to not only be a part of this investment in the North personally, I'm thrilled to have a such a dynamic partner like HNZ Group making this significant investment in the future of my home community of Yellowknife. We're going to have 75 percent of our people based in Yellowknife, so they'll be able to play hockey with their customers, go camping with them, develop stronger bonds and relationships." For more, visit <http://www.acastaheliflight.com/>.
- **BI Pure Water, Inc. / Process Manufacturing** has been building water treatment systems for twenty years, providing quality built and custom engineered treatment solutions for municipalities, federal, provincial and municipal governments, industry, private land owners, resorts, remote work sites, and First Nations communities. BI Pure Water specializes in containerized and mobile water treatment plants designed to specific water analyses and budget. Learn more [here](#) and [here](#).
- **Fortress Clothing** is the supplier of the FORTRESS SYSTEM of clothing. For the Self-Reliance Market, Fortress is YOUR lifetime supply of HEAT. It is Heat Storage, on the Go! We like to say "If You're Alive – You're Warm...and If You're Warm – You're Alive. In addition to being your Heat Storage Solution, Fortress is something you can USE TODAY. FORTRESS solves the problem of Cold. Learn more at: www.fortressclothing.com.
- **Geobrugg North America, LLC** is a Swiss company that is the global leader in the supply of high-tensile steel wire safety nets and meshes. Many years of experience and intensive collaboration with universities and research institutes make Geobrugg a reliable partner when it comes to protection and safety solutions. Learn more about Geobrugg here: www.geobrugg.com.
- **Queen's University – Master of Earth and Energy Resources Leadership** is a program designed to develop competencies in emerging leaders in the resource sector so that they may play a major role in wise stewardship of those energy, mineral, and water commodities that are essential to civilized society. Development of these resources in a responsible manner that fosters sustainable futures, both economically and environmentally, demands leaders who can assess risk and make sound decisions in the face of uncertainty. Learn more at: <http://queensu.ca/earthenergyleadership/>
- **Rover Metals Corp.** is a private junior gold exploration and small scale gold production company focused on the Up Town Gold Property, located 6 kilometres north of downtown Yellowknife, NT. The claims are contiguous to TerraX Minerals' claims and the historic Giant Mine. To learn more, visit: www.rovermetals.com.

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.

- 3 October 2016, [Auryn Resources provides update on 60% of the 2016 Committee Bay Exploration Results](#)
- 29 September 2016, [Tlicho Government increases ownership in Tlicho Landtran Transport Ltd](#)
- 29 September 2016, [Agnico Eagle Provides Notice of Release of Third Quarter 2016 Results, Conference Call and Webcast](#)
- 26 September 2016, [Silver Range Finalizes Up Town Gold Option Agreement with Rover Metals](#)
- 26 September 2016, [MMG plans CEO succession](#)
- 26 September 2016, [TMAC Resources Receives Amended Doris North Project Certificate](#)
- 23 September 2016, [Kaizen and HPX complete conversion of outstanding loan into common shares of Kaizen](#)
- 22 September 2016, [TerraX drills 5.53 m @ 29.85 g/t Au below previous drilling at Mispickel, extending mineralized zones at depth](#)
- 22 September 2016, [Dominion Diamond Corporation Restarts Ekati Process Plant Ahead of Schedule and Announces Sale of an Exceptional Diamond](#)
- 19 September 2016, [Kennady Diamonds Announces Kelvin Bulk Sample Diamond Recovery Results](#)
- 16 September 2016, [Kaizen and HPX agree to convert outstanding loan into common shares of Kaizen](#)
- 16 September 2016, [TerraX Minerals Latest Corporate Presentation, September 2016](#)
- 15 September 2016, [Dominion Diamond Corporation Files Updated Technical Report for the Ekati Diamond Mine](#)
- 15 September 2016, [Agnico Eagle Announces 13% Increase in Inferred Mineral Resources at Amarug to 3.7 Million Ounces Gold, Which Includes 33% Increase in Open Pit Resources to 2.4 Million Ounces; Second Potential Source of Open Pit Ore Confirmed at V Zone](#)
- 14 September 2016, [Fortune Minerals announces appointment of Glen Koropchuk to its Board Of Directors](#)
- 14 September 2016, [Agnico Eagle Announces Entering Into of Voting Support Agreement](#)
- 14 September 2016, [TMAC Continues to Intersect High Grade Gold Below the Dyke at Doris North](#)
- 14 September 2016, [De Beers Alert: Millennials Spend more than US\\$25 Billion on Diamond Jewellery in 2015](#)
- 14 September 2016, [Canadian Zinc Modifies 2016 Preliminary Feasibility Study](#)
- 13 September 2016, [Nighthawk Intersects 52.07 Metres of 7.72 g/t Gold \(Uncut\) and 31.45 Metres of 4.14 g/t Gold \(Uncut\) at Colomac - Supports Continuity and Expansion Potential of High-Grade Zone](#)
- 13 September 2016, [North Arrow Updates Exploration Activities at Pikoo, Mel and Loki Diamond Projects](#)
- 9 September 2016, [Kivalliq Acquires Roughrider Exploration Shares](#)
- 8 September 2016, [Auryn Resources Completes Acquisition of Homestake Resource Corp.](#)

- 8 September 2016, [Dominion Diamond Corporation Announces Appointment of Chief Financial Officer](#)
- 8 September 2016, [Dominion Diamond Corporation Reports Fiscal 2017 Second Quarter Results](#)
- 7 September 2016, [Silver Range Stakes and Explores Quartzite](#)
- 7 September 2016, [Canada's Newest Diamond Mine to Provide C\\$6.7 Billion Boost to Economy](#)
- 6 September 2016, [Fortune Minerals announces the appointment of Dave Massola as Vice President Finance & Chief Financial Officer](#)
- 30 August 2016, [Silver Range Options Up Town Gold Project to Rover Metals](#)
- 30 August 2016, [Sabina Gold & Silver Reports Kitikmeot Inuit Association and Government of Nunavut ask Federal Minister to Send Back River Gold Project Back to NIRB for Further Consideration](#)
- 30 August 2016, [TMAC Makes Important Permitting Step Forward: Minister Accepts Amendments to Doris North Project Certificate](#)

Calendar of Events

- **Canadian Aboriginal Minerals Association's 24th Annual Conference:** "Embracing the Past. Mining the Present. A Rewarding Future." November 6 -8, 2016, Delta City Centre, Ottawa, Ontario. The conference is dedicated to increasing the understanding of the minerals industry, Aboriginal mining and Aboriginal community's paramount interests in lands, resources and the environment. Through increasing this awareness, all parties will benefit. The conference registration is now open. Please visit CAMA's [website](#) for more information and to register [CLICK HERE!](#)
- **44th Annual Geoscience Forum**, November 15-17, 2016, Yellowknife, NT. Join us at the largest mining and petroleum conference and tradeshow in the Northwest Territories. The joint initiative of the NWT & Nunavut Chamber of Mines and the Government of the NWT's Department of Industry Tourism & Investment attracts hundreds of delegates and exhibitors excited to share their knowledge, to learn from others, and to show off their wares. For more information visit www.geoscienceforum.com and contact conference@miningnorth.com.
- **4th Annual Renewables for Mining Toronto Summit**, November 21-22, 2016, Hilton Toronto, Toronto, ON, Organized by Energy and Mines. Co-located with the inaugural Energy and Mines Award, the 4th annual Energy and Mines World Congress is the global meeting place for mining, renewables and energy innovation leaders to meet and explore the very latest developments in renewables for mines and discuss the challenges around financing and implementing these projects. Mining operators are eligible for complimentary passes to this high-caliber Congress. Click [here](#) for more details on how to apply for a mine pass. Mining consultants and service providers are eligible for a 20% discount off attending this event by entering the code "mcsp20" on the [registration](#) page. Contact: sukhee.chae@energyandmines.com or + 1 613 627 2787 for more information or visit: worldcongress.energyandmines.com

- **Microreactors for the Arctic**, November 29-30, 2016, Explorer Hotel, Yellowknife, NT. Canadian/Swedish company, LeadCold, is developing small nuclear reactors for power production in remote areas. The size and cost of the reactor makes it suitable for replacing diesel generators in Northern communities and mining sites, leading to reduced costs for power while minimising emissions and improving energy security. A draft agenda and more details about the workshop can be found [here](#).
- **Resources for Future Generations (RFG2018)**, June 16-21, 2018, Vancouver Convention Centre, BC, Canada. With themes covering all of the key geoscience sectors across all of professional practice – Minerals, Energy, Water and the Earth – this event will be of direct technical interest to P.Geo.'s coast to coast to coast. Organizers are Calling for Sessions and you can submit your session proposal at: www.RFG2018.org. Abstracts will be sought in June 2017.
- **AMEBC Roundup Conference**, January 23 - 26, 2017, Vancouver, BC. Mineral Exploration Roundup 2017 is the place to learn and showcase new discoveries and emerging projects. Click [here](#) to go to the Roundup website.



Haul truck impressed (and dwarfed) visitors at the recent Gahcho Kué diamond mine opening



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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
Ekati Mine	Dominion Diamond Corporation , 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 2014 approximately 1,500. A fire in the process plant on June 23 and the subsequent processing shutdown significantly reduced throughput in Q2, and is expected to last approximately three months in total.	News Release, Sept 8: Dominion Diamond Corporation Announces Appointment of Chief Financial Officer News Release, Sept 15: Dominion Diamond Corporation Files Updated Technical Report for the Ekati Diamond Mine News Release, Sept 22: Dominion Diamond Corporation Restarts Ekati Process Plant Ahead of Schedule and Announces Sale of an Exceptional Diamond
Ekati Jay Project	Dominion Diamond Corporation , and Archon Minerals Ltd.	Diamonds	The Ekati Jay project is in Environmental Assessment. Ekati mine life currently ends in 2020, but if mining of the Jay pipe is approved, mining could be extended 10 yrs.	May 19 News Release: Dominion Diamond Corporation Reports Approval of Jay Project Environmental Assessment May 31, News Release: Dominion Diamond Corporation Provides Update on Jay Project Feasibility Study
Diavik Mine	Rio Tinto & Dominion Diamonds	Diamonds	Canada's largest producer of diamonds, 300 km NE of Yellowknife. Mine life through 2023. Became all underground mine in 2012. Workforce approximately 1,000. To Dec 31, 2013, the mine produced approximately 84 M carats of diamonds from the processing of approximately 22 M tonnes of kimberlite. 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, 2014 were 18.7 million tonnes at 2.8 carats/tonne for total of 52.8 million carats.	News Release, July 18, 2016: Dominion Diamond Corporation reports Diavik Diamond Mine Second Calendar Quarter Production
Gahcho Kué Mine	De Beers & Mountain Province	Diamonds	Located approximately 280 km NE of Yellowknife, NWT. Mine life 12 years. First production ahead of schedule in Q2 2016. Mine is ramping up production and is on track to reach full commercial operation in the first quarter of 2017. Comprised of three open pits, the mine will employ 530 people full-time, with the majority working a two-week in/two-week out rotation.	News release, September 20, 2016: Gahcho Kué Diamond Mine Opens
Snap Lake Mine (Suspended, on care & maintenance)	De Beers	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, June 29, 2016: Extended Care and Maintenance Approved for Snap Lake Mine – Allows for preservation of significant diamond resource De Beers announced on July 22 that it will investigate interest in purchasing the mine before they flood it.

NWT & Nunavut Chamber of Mines – Northern Mining News

Cantung Mine (Closed, on care & maintenance)	North American Tungsten	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>	<p>Nov 19 GNWT News Release: NWT Government purchases Mactung assets of Cantung.</p> <p>Nov 19 NATC news release: NATC Announces Extension of Stay of Proceedings under the Companies' Creditors Arrangement Act.</p> <p>On November 17, 2015, the Supreme Court of British Columbia made an order approving the sale of the Company's Mactung property to the Government of the Northwest Territories. The Government of Canada will fund the Company's environmental care and maintenance activities at the Cantung mine site.</p>
Prairie Creek	Canadian Zinc Corporation	Zinc-lead-silver	<p>Proposed underground mine 120 km W of Ft. Simpson. Estimated mine jobs: 220</p> <p>All permits now in place to construct and operate the mine. Preliminary Feasibility Study completed in early 2016 supports longer, 17-year mine life.</p> <p>The company's proposal to construct a new airstrip and all-weather road is undergoing environmental assessment.</p>	<p>News Release, September 14: Canadian Zinc Modifies 2016 Preliminary Feasibility Study: Amended Technical Report to be filed</p>
Kennady North	Kennady Diamonds Inc.	Diamonds	<p>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.</p>	<p>News Release, September 19, 2016: Kennady Diamonds Announces Kelvin Bulk Sample Diamond Recovery Results</p> <ul style="list-style-type: none"> • Sample grade 2.09 carats per tonne • Largest diamonds recovered: 3.43 carats, 3.23 carats, 2.84 carats
NICO	Fortune Minerals Ltd.	Cobalt-gold-bismuth-copper	<p>Proposed open pit and underground mine located 50 km NE of Wha Ti. Estimated mine jobs: 150. Requires access to highway to Wha Ti, still to be constructed.</p>	<p>News Release, Sept 6: Fortune Minerals announces the appointment of Dave Massola as Vice President Finance & Chief Financial Officer</p> <p>News Release, Sept 14: Fortune Minerals announces appointment of Glen Koropchuk to its Board Of Directors</p>
Nechalacho	Avalon Advanced Materials Inc.	Rare earth metals	<p>Proposed underground mine 100km SE of Yellowknife.</p> <p>Estimated mine jobs: 200.</p> <p>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.</p>	<p>News Release, February 26, 2016: Avalon Announces Name Change to Avalon Advanced Materials Inc.</p> <p>News Release February 10, 2016: Avalon's Nechalacho Rare Earths Project to remain inactive in 2016, while the Company focuses on Lithium and Tin in southern Canada.</p> <p>Avalon Rare Metals Project work in calendar 2015 consisted mainly of concluding the ongoing metallurgical research, disposal of</p>

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				process waste materials and storage of bulk samples for future use.
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 sqkm, 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 mine (eg Colomac)	News release Sept 13, 2016: Nighthawk Intersects 52.07 Metres of 7.72 g/t Gold (Uncut) and 31.45 Metres of 4.14 g/t Gold (Uncut) at Colomac - Supports Continuity and Expansion Potential of High-Grade Zone
Courageous Lake	Seabridge Resources	Gold	Proposed open pit mine 240 km NE of Yellowknife. 6.5 M oz proven and probable reserves. (Positive PFS July 2012). The FAT deposit is one of Canada's largest undeveloped gold projects. Gold resources of 8.0 million ounces in the measured and indicated categories plus an additional 3.4 million ounces in the inferred category.	Seabridge is currently focusing its work on their KSM mine development in British Columbia.
Selwyn (Howards's Pass Project)	Selwyn Chihong Mining Ltd.	Zinc, lead	Proposed base metal mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) 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. The mine is being designed to process 38,500 tonnes per day (tpd) of ore which, after processing, is expected to result in 2,500 tpd of zinc and 600 tpd of lead concentrate, which would be trucked to the Port of Stewart for export. Selwyn Chihong estimates the proposed mine will create approximately 1500 jobs during construction and approximately 750 during operation.	Selwyn Chihong Mining's proposed upgrade of a road to its lead-zinc mining project in Yukon's Selwyn Mountains will undergo an environmental assessment. Parks Canada has referred the 79km Howard's Pass Access Road (HPAR) to Environmental Assessment under the MVEIRB, which accepted the referral in July 2015. The HPAR was developed in the 1970s, and runs from the Nahanni Range Road to the NWT-Yukon border. Passing through 2 national parks. Yukon media reported in Feb 2016 that Selwyn Chihong has decided to slow their project down due to the current low zinc prices, and will not to take the project to the permitting stage this year. According to External Affairs VP Maurice Albert, SC has opted for a traditional drilling program and hopefully add another 10 years to the mine life.



Ribbon cutting at Gahcho Kué.

Mines & Promising Nunavut Mine Projects

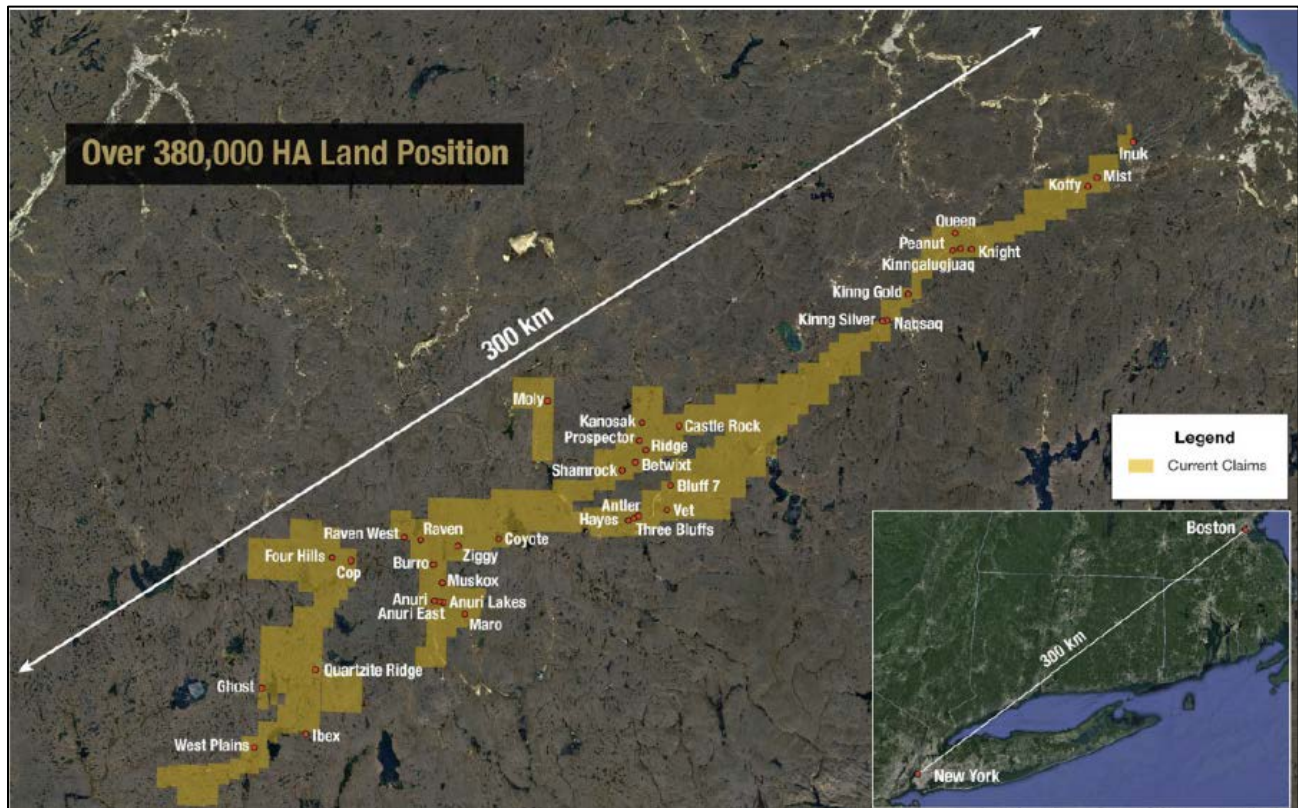
The following table describes a number of leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
Meadowbank Gold Mine	Agnico Eagle Mines	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 Exploring potential satellite deposit, Amaruq, 50km from mine site. Construction of the Amaruq Exploration Access Road commenced in the first quarter of 2016. Road construction is ongoing with nine kilometres completed to date of the expected total length of 62 kilometres. On April 19, the Nunavut Impact Review Board submitted its EIS report to the Minister of INAC concluding that the Vault Pit Expansion Project should proceed.	News Release, September 14: Agnico Eagle Announces Entering Into of Voting Support Agreement News Release, September 29: Agnico Eagle Provides Notice of Release of Third Quarter 2016 Results, Conference Call and Webcas, October 26
Mary River Iron Mine	Baffinland Iron Mines	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.	Project is undergoing a new Environmental Assessment for the proposed expansion of mining and shipping to help offset downwards spiraling iron ore prices. Baffinland expect to submit the EIS (Environmental Impact Statement) for Phase 2 of the Project in September 2016. This submission is delayed from April 2016, to allow Baffinland to present a rail alternative with the road transport proposal and provide and assess the most effective means of transporting ore from Milne Port along the northern shipping route. The Qikiqtani Inuit Association (QIA) initiated arbitration proceedings with Baffinland Iron Mines Corporation (BIMC) on July 20, pursuant to the dispute resolution provisions of the Inuit Impact and Benefit Agreement alleging that Advance Payments of royalties owed to QIA are in arrears by \$6.25 million plus interest.
Hope Bay (Mine under construction)	TMAC Resources	Gold	Proposed gold mine 130 km S of Cambridge Bay; covers the majority of the Hope Bay Greenstone Belt. Estimated mine jobs: 485 Plans to commission their processing plant later in 2016 and then achieve steady state production in 2017.	News Release, September 14: TMAC Continues to Intersect High Grade Gold Below the Dyke at Doris North News Release, September 26, 2016: TMAC Resources Receives Amended Doris North Project Certificate
Meliadine	Agnico Eagle Mines	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. At December 31, 2015, the Meliadine property hosted 3.4 million ounces of proven and probable mineral reserves (14.5 million tonnes of ore grading 7.32 g/t gold), 3.31 million ounces of	News Release, April 28, 2016: Meliadine Type A Water License Permit Expected by the End of the Second Quarter of 2016. The capital budget for 2016 is \$96 million, with activities focused on further underground development (approximately 3,700 metres), detailed engineering and procurement, construction of essential surface infrastructure and the acquisition of a used camp facility. The goal of the 2016 capital program is to ensure that the project remains on track for a potential 2020

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			measured and indicated mineral resources (20.78 million tonnes of ore grading 4.95 g/t gold), and 3.55 million ounces of inferred mineral resources (14.71 million tonnes of ore grading 7.51 g/t gold). In addition, there are numerous other known gold occurrences in the 80-kilometre-long greenstone belt that require further evaluation.	production start-up, which is approximately a one year delay from previous expectations.
Kiggavik	AREVA Resources	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.
Back River	Sabina Gold & Silver Corp.	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 Estimated mine jobs: 900 Sabina recently released a Feasibility Study on its 100% owned Back River Gold Project which 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, the Study delivers a potential after tax internal rate of return of approximately 24.2% with an initial CAPEX of \$415 million.	News Release, August 10: Sabina Gold & Silver Announces Q2, 2016 Financial Results News Release, August 30: Sabina Gold & Silver Reports Kitikmeot Inuit Association and Government of Nunavut ask Federal Minister to Send Back River Gold Project Back to NIRB for Further Consideration
Izok Corridor Project (with High Lake & Hood River deposits)	MMG Resources Inc.	Copper, Zinc, Gold, Silver	High Lake is 1710 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 have been discovered to date with 8 being potentially economic.	News Release, August 19, 2016, Peregrine Files Updated Technical Report for Chidliak Project
Angilik	Kivalliq Energy Corp.	Uranium	340,268 acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit	News Release, June 7, 2016, Kivalliq Closes Financing to raise gross proceeds of CDN\$400,000, to fund mineral exploration at Kivalliq's wholly-owned properties in Canada.
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 9: North Arrow Reports Diamond Valuation Results From The Qilalugaq Project. The parcel of 383.55 carats of diamonds greater than +1DTC (~1 mm) was valued at \$13,795 or \$36 per carat and a modelled range of possible values was

				also produced with a “possible low” model price of \$43 per carat and a “possible high” model price of \$92 per carat.
Committee Bay Gold Project	Auryn Resources (purchased North Country Gold Corp.)	Gold	Committee Gold Bay Project Highlights: • High grade gold endowment • Existing exploration infrastructure • 217,600 hectares with district scale discovery opportunities	August 26 News Release: Homestake shareholders approve acquisition by Auryn News Release, Sept 8: Auryn Resources Completes Acquisition of Homestake Resource Corp. News Release, October 3: Auryn Resources provides update on 60% of the 2016 Committee Bay Exploration Results
Hackett River	Glencore	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.
Coppermine	Kaizen Discovery / Tundra Copper	Copper	Early stage, district-scale exploration play located 24 km SW of Kugluktuk; Total holdings approximately 3,500 km ²	NIRB screening decision issued July 7, 2015; Proposal may proceed without a Part 5/6 NLCA review.



Auryn is exploring the 300 km long Committee Bay Greenstone Belt

Project Maps

