

# Northern Mining News

Volume 6, No. 10

October 2013



## In this issue:

|   |    |
|---|----|
| Federal Government Approves Gahcho Kué Diamond Mine Development .....               | 2  |
| Sabina Announces Positive Preliminary Feasibility Study on Back River Project ..... | 3  |
| Despite Tough Gold Market, Meadowbank Mine Perseveres.....                          | 5  |
| Dominion Diamond Corporation Applies to Extend the Ekati Diamond Mine .....         | 6  |
| Diavik Selected as a Canada Top 100 Employer .....                                  | 8  |
| New NWT Economic Opportunities Strategy Released .....                              | 8  |
| Mining Slowdown Holds Back Economies of Canada's Territories in 2013 .....          | 10 |
| An NWT analogue? BC's Mining Policy Needs Changing Says Fraser Institute .....      | 11 |
| Slave Province Just Beginning to Show its Real Diamond Potential .....              | 12 |
| Canada Eases Uranium Investment Rules for European Companies.....                   | 14 |
| KPMG Reports speaks to BC's Junior Exploration Financing Woes .....                 | 14 |
| Scotiabank Reports Junior Financings Near Crisis – Only 1/3 of a Year Ago .....     | 15 |
| Liquefied Natural Gas a Good Option for Some Mines .....                            | 15 |
| Member News Releases This Past Month .....  | 17 |
| Calendar of Events .....  | 19 |
| Welcome New Members! .....  | 20 |
| Mines & Promising Northwest Territories Mine Projects.....                          | 21 |
| Mines & Promising Nunavut Mine Projects.....  | 22 |
| Detailed Deposit Map .....  | 23 |
| Project Maps .....  | 24 |

## From the Executive Director ...

It's a month for optimism with the Gahcho Kue mine project advancing to permitting and licensing, Sabina's positive preliminary feasibility of their Kitikmeot project, and Agnico Eagle's quarterly report reinforcing the strength of their Meadowbank mine. Also encouraging is the submission by Dominion Diamonds of a project that could see that great mine's life extended by 10-15 years. That would be great given that Ekati is likely the largest single corporate contributor to the NWT economy.

We need this optimism as reports by the Conference Board of Canada, KPMG, and Scotiabank continue to confirm the size and nature of the gloomy market out here.

To that end, the NWT Government tabled its Economic Opportunities Strategy, one of several strategies it has planned to rejuvenate its economy. Watch for others soon.

The Fraser Institute has used its knowledge of what it takes to create an attractive mining jurisdiction to review BC's policy environment. Interestingly, you could swap out the word "BC" with "NWT" and the report rings (un?)surprisingly true for our region too.

Finally, a little editorializing on the great diamond potential of the Slave Province. Read more on why it could produce diamonds for the next 100 years.

Happy reading. ... TWH

***Our Mission:*** *To be the leading advocate for responsible and sustainable mineral exploration and development in the NWT and Nunavut.*

## **Federal Government Approves Gahcho Kué Diamond Mine Development**

On October 22, the Minister of Aboriginal Affairs and Northern Development Canada, the Hon. Bernard Valcourt, approved the development of the Gahcho Kué diamond mine as recommended by the Mackenzie Valley Environmental Impact Review Board.

Tony Guthrie, Chief Executive Officer for De Beers Canada, commented: “The Minister’s approval confirms that the plans for the development and operation of the Gahcho Kué diamond mine meet the highest standards. The new diamond mine will benefit the economy and residents of the Northwest Territories and enhance Canada’s position as a premier diamond producer.”



Federal government approval allows the Mackenzie Valley Land and Water Board to commence processing of the applications for the Land Use Permit and Water License required to construct and operate the Gahcho Kué mine.

Patrick Evans, Mountain Province President and CEO, added: “Gahcho Kué has gone through the most comprehensive environmental review of any mining project in the Northwest Territories. Through this process, consultation with stakeholders has been extensive. The shareholders of Mountain Province now look forward to an efficient and timely completion of the remaining regulatory process, which is necessary to ensure the optimal development of the Gahcho Kué diamond mine.”

Gahcho Kué will employ close to 700 people during the two years of construction and close to 400 people during its operations phase. It is forecast to produce an average of 4.5 million carats annually over the eleven year mine life. Gahcho Kué is a joint venture between De Beers (51%) and Mountain Province Diamonds (49%) and is located 280 km northeast of Yellowknife, Northwest Territories.

Given the expected timing for the issuance of a land use permit to enable pioneer work to commence, which requires approximately 42 days for processing, as well as the impact of the winter ice road on logistics, the joint venture is currently reassessing the Gahcho Kué development plan to determine the optimal development schedule. In addition, the joint venture is also updating the 2010 Gahcho Kué feasibility study and expects to announce the results of an Optimization Study early in the New Year. Further details will be announced as they become available.

### **Sabina Announces Positive Preliminary Feasibility Study on Back River Project**

#### ***Significant high-grade gold production, at good margins, in a safe Canadian mining jurisdiction***

In early October, Sabina Gold & Silver Corp announced it has received the results of the Preliminary Feasibility Study (PFS) for its 100%-owned Back River gold project in Nunavut.

The Back River gold project is located in the West Kitikmeot Region of Nunavut, and is situated approximately 75 km from tide water at Bathurst Inlet. The Project is made up of a series of seven claim blocks of which only two have been the primary focus of exploration and resource development to date: Goose and George.

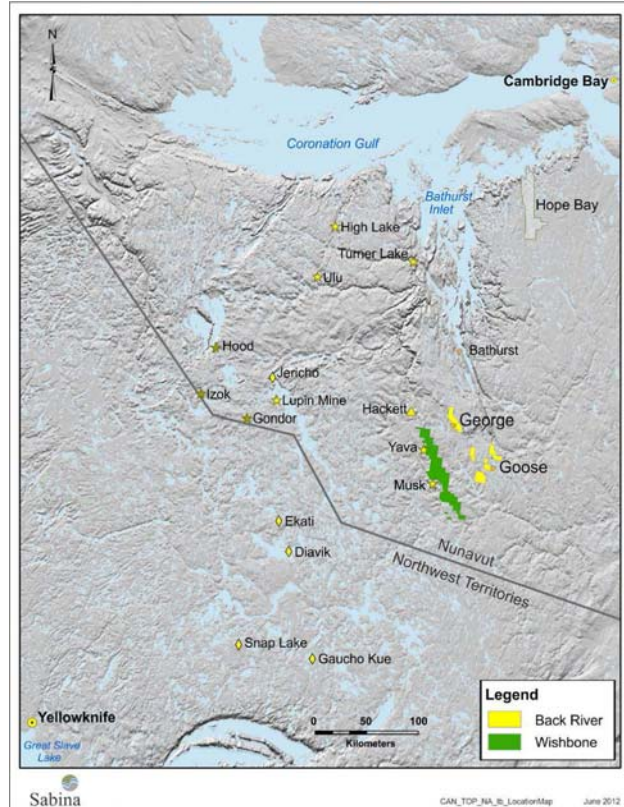
The Preliminary Feasibility Study is an outgrowth of encouraging results of a Preliminary Economic Assessment announced in 2012. The 2013 PFS delivers the following:

- An economic, achievable mine plan focused on mining lower cost, higher grade material as early as possible in the mine life;
- A logistics and transportation plan that provides a clear picture of how equipment, supplies and personnel will access the Project during construction and operations;
- Capital and operating costs that reflect the expected costs of operating in the Arctic;
- Infrastructure designed to a level that facilitates completion of the Draft Environmental Impact Statement (“DEIS”); and
- An execution plan proposing potential gold production beginning in Q4 2017.

“Back River offers a rare opportunity for significant high grade gold production by both open pit and underground operations, in one of the world’s safest mining jurisdictions.” said Rob Pease, President & CEO “We are very pleased with the results of the Study. We believe we have presented an economically positive and realistic project as our base case and are excited to be moving towards a final Feasibility Study (FS). We also believe that, through the work done in 2013, we have identified a number of opportunities that could improve the Project in the FS. In addition to the significant work completed in the PFS, this year has been focused on efforts to

upgrade and extend mineral resources and reserves, identifying additional open pit opportunities, collecting environmental and baseline data for our permitting and laying the ground work to seek out possible future financing for the Project. The results of this year's drilling are currently being compiled with current data into a new mineral reserve and resource estimate expected during the first quarter of 2014 which will inform the future FS".

The Back River PFS is based on a conventional open pit ("OP") mine supplemented by underground ("UG") operations that feed a 5,000 tonne per day ("tpd") whole ore leach process plant. Operations are designed to produce an average of 287,000 ounces Au per year over the life of mine ("LOM"). The Project would be built over a 24-month period at an initial capital cost of \$605 million with an estimated payback of 3.3 years from the start of operations.



### **Highlights of the Back River Gold Project – Pre-Feasibility Study**

All dollar figures are in Canadian dollars and the Study assumes a US\$1:C\$.95 exchange rate for the economics and capital.

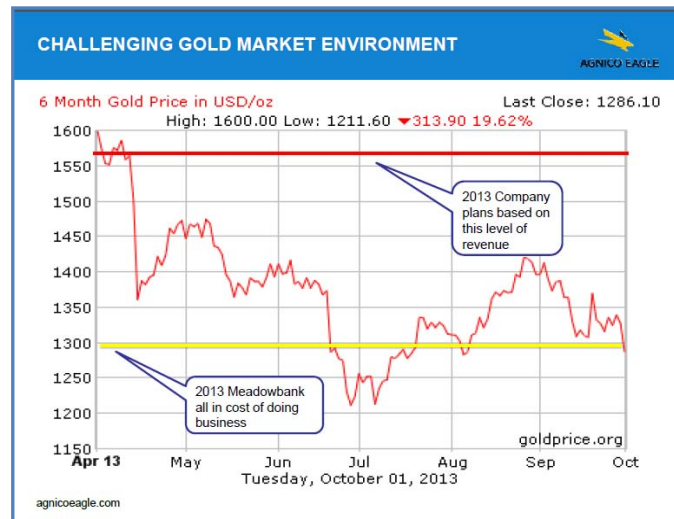
- The Project generates a post-tax IRR of 16.5% and NPV (at 5% discount rate) of \$290 million
- The Project generates LOM post-tax net cash flow of \$582 million on gross revenues of \$3.3 billion with a payback period of 3.3 years (from start of operations);
- Processing rate of 5,000 tpd producing an average of ~287,000 oz Au per year from open pit and underground operations for a total of 2.4 million oz Au;
- Initial capital of \$605 million and sustaining capital of \$226 million;
- Total cash costs of \$685/oz Au LOM including royalties, refining and transport;
- A total of 15.0 million tonnes of mineralized material to be milled over 8.4 years with a LOM average grade of 5.69 g/t Au and metallurgical recoveries of 88%;
- Base case commodity assumptions of \$1,350/oz gold and \$1.25/litre diesel; and
- Conventional Open Pit with strip ratio of 10:1 over Life of Mine

Download the entire release [here](#).

## Despite Tough Gold Market, Meadowbank Mine Perseveres

In its recent 2013 Q3 financial update, Agnico-Eagle Mines reported an overall lower net income of \$47.3 million, compared to \$106.3 million for the same period in 2012, but an improvement over the net loss of \$24.4 million the company posted in the Q2 period for 2013. According to Sean Boyd, President and CEO, the company's growing performance in the third quarter is due to better and more efficient production at Nunavut's Meadowbank Mine.

"We are very pleased. We had across-the-board-solid performance from a number of our mines, particularly Meadowbank with its higher grades and the ability of the mining team to move more tons and process more tons," said Mr. Boyd. "Meadowbank has probably been the most inventive and creative in terms of their approach in making the exercise more efficient and engaging the entire work force in looking for ways that we can reduce expenditures and actually improve our ability to produce more gold," Mr. Boyd said.



Agnico Eagle based its 2013 Business Plan on a gold price of \$1575/ou. Today's price is roughly \$1200/ou. The breakeven cost for the company to operate is \$1300/ou. Officials at the Kivalliq Trade Show in Rankin Inlet earlier this month, stated that the company adapted the business to this new gold market environment by minimizing risks and bringing costs in line with reduced revenues.

"On the back of strong operating performance from our Meadowbank mine in the third quarter, and positive contributions from our other mines, we are pleased to announce record quarterly gold production and an increase in our 2013 production forecast with an associated reduction in the total cash cost estimate," said Mr. Boyd. "Further cost reduction initiatives are being incorporated in our 2014 budget process, and will be reflected in our year-end financial results and three year forecast, scheduled for release this coming February."

There are 790 permanent employees at the Meadowbank Mine, 241 of whom are Inuit.

As for Agnico-Eagle's Meliadine project near Rankin Inlet, Mr. Boyd said management will likely go to the company's board on the issue of a mine construction



decision around the end of next year.

An updated feasibility study is expected to be completed in 2014. In the October 2nd presentation to the Kivalliq Trade Show, officials said that the company plans to spend \$45 million on the Meliadine project next year, including exploration drilling, completing a draft environmental impact statement and IIBA, obtaining regulatory approvals, and constructing an underground exploration ramp into the Tiriganiaq ore body.

“That’s critical, because it gets us a better look at the best part of the ore body, which is the highest grade underground portion of Tiriganiaq,” Mr. Boyd stated.

According to the Trade Show presenters, “Nunavut remains a priority area for Agnico’s long term success... We are here to stay.”

### **Dominion Diamond Corporation Applies to Extend the Ekati Diamond Mine**

TORONTO, CANADA (October 23, 2013) – Dominion Diamond Corporation (TSX:DDC, NYSE:DDC) (the “Company”) announced today that it has filed an application with the Wek’ézhii Land and Water Board (“WLWB”) requesting a new land use permit and a Class A Water Licence for extension of the Ekati Diamond Mine to include the Jay and Cardinal kimberlite pipes (the “Jay-Cardinal Project”).

Robert Gannicott, Chairman and Chief Executive Officer stated: “The scale and robust nature of the Jay-Cardinal Project has the potential to secure the future not just of the Ekati Diamond Mine, but of the Northwest Territories diamond industry.”

The application filed by the Company, which is a Detailed Project Report for the Jay-Cardinal Project, represents the first stage in the regulatory approval process. Detailed study work commenced immediately following the acquisition of the Ekati Diamond Mine by the Company on 10<sup>th</sup> April 2013.

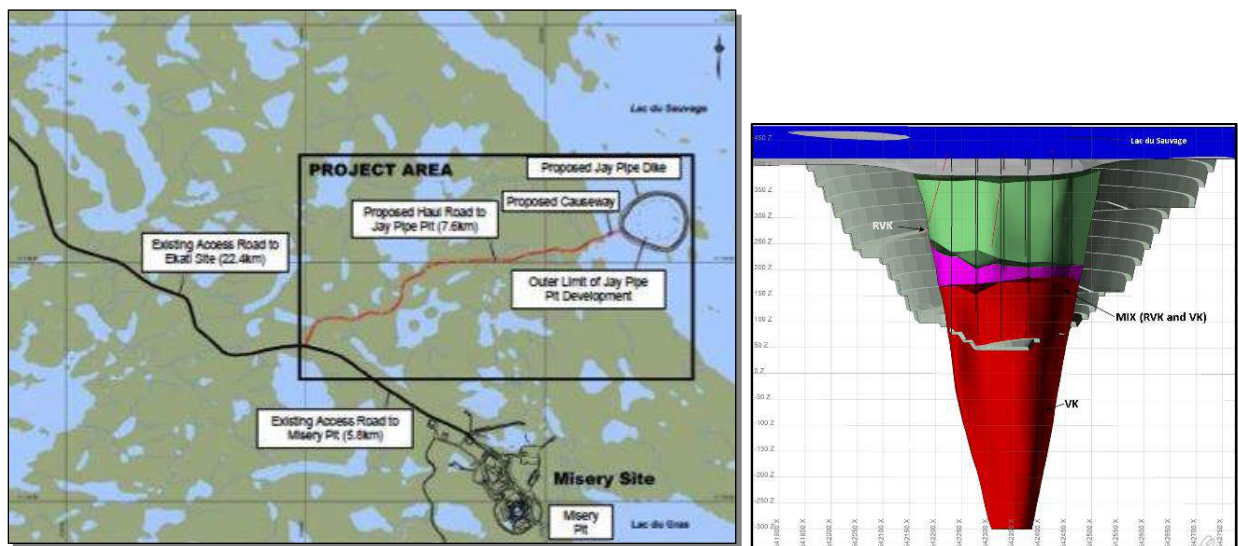
The Jay-Cardinal Project involves the development of the largest diamondiferous resource in North America. The development and mining of these kimberlites is the cornerstone of Dominion Diamond Corporation’s strategy for building a long-term, sustainable Canadian diamonds business. At the Jay pipe, drilling to date has established 78 million carats of indicated resource and 13 million carats of inferred resource. Further work at Jay during the coming winter is designed to enable consideration of an open pit reserve to support development of the project. In itself, the Jay-Cardinal Project has the potential to extend the operating life of the Ekati Diamond Mine in the order of 10 to 20 years beyond the currently scheduled closure in 2019.

The Jay-Cardinal Project schedule anticipates Environmental Assessment approval before the end of 2015. Construction would then commence, leading to the planned release of diamond-bearing kimberlite to the process plant by 2019.

The Jay and Cardinal kimberlite pipes are located in Lac du Sauvage in the southeastern portion of the Ekati mine property, about 25 km from the main facilities and approximately 7 km to the northeast of the Company’s Misery mining area. The two pipes are located in the Buffer Zone Joint Venture, in which the Company has a 58.8% control interest.

Mining of the Jay and Cardinal kimberlite pipes will require two freshwater diversions around an area within the Lac du Sauvage. The water level would be drawn down to a level that exposes the two kimberlite pipes for open pit mining; underground mining is also planned. Diamond-bearing kimberlite would be trucked to the existing Ekati Diamond Mine process plant using the existing Misery haul road. Processed kimberlite tailings would be deposited into mined-out open pits at the Ekati site such that environmental disturbances related to expanding or constructing new deposition areas is avoided.

An area at the outlet of Lac du Sauvage that has been traditionally used by local Aboriginal groups will not be disturbed by the Jay-Cardinal Project. The existing Ekati Diamond Mine environmental monitoring, management and mitigation programs can all be expanded to incorporate the activities proposed for the Jay-Cardinal Project.



The current 43-101 compliant resource estimate for the Jay kimberlite pipe includes 36.2 million tonnes of indicated resource at 2.2 carats per tonne and 9.5 million tonnes of inferred resources at 1.4 carats per tonne. The pipe is believed to continue at depth. The Company estimates the rough diamond price for the Jay diamonds to be approximately US\$74 per carat as at December 31, 2012, assuming the current process plant recovery parameters that use a 1.2 mm slot screen cutoff resulting in 85% of the diamonds being recovered (for more information please see Company's Technical Report filed on SEDAR and posted on the Company's website).

Follow-up delineation drilling programs are planned at both Jay and Cardinal kimberlite pipes for winter 2014. Mineral resources that are not mineral reserves do not have demonstrated economic viability.

The Company has already started the initial work on a pre-feasibility report for the development which it aims to complete in calendar 2014.

The Detailed Project Report is available from the WLWB at <http://wlwb.ca/> and on the Company's website, [here](#).

## **Diavik Selected as a Canada Top 100 Employer**

Diavik Diamond Mines Inc., operator of the NWT's Diavik Diamond Mine has again been selected as a Canada's Top 100 Employer for 2014. This is the third year in a row Diavik has achieved this national recognition.

The Canada's Top 100 Employers competition is the largest editorial project of its kind in Canada, with thousands of employers taking part in each year's application process. Diavik is the only Northwest Territories company to have been recognized as a Canada's Top 100 Employer for 2014.

Each employer is graded by Mediacorp Canada Inc. editors on eight key areas including:

- Physical workplace
- Work atmosphere and social
- Health, financial and family benefits
- Vacation and time off
- Employee communications
- Performance management
- Training and skills development
- Community involvement



"We strive to provide the best possible work experience for every member of our team of over 1,100 people. It is very gratifying to have again been selected as a top employer," said Diavik Diamond Mines Inc. President Marc Cameron. "This continued recognition demonstrates that our workplace standards, the most important of which is safety, are among the best in Canada."

Founded in 1992, Mediacorp is the nation's largest publisher of employment periodicals and guides. For 15 years, the Toronto-based publisher has managed the annual Canada's Top 100 Employers project. Mediacorp editors publish detailed reasons, providing transparency in the selection of winners and practical guidance for job-seekers about exceptional workplaces on its job search engine, Eluta.ca.

## **New NWT Economic Opportunities Strategy Released**

A new Northwest Territories (NWT) Economic Opportunities Strategy sets out a plan to connect NWT businesses and communities with economic opportunities by fostering a climate for growth, building on success in key sectors, investing in regional diversification and promoting opportunity readiness for people and businesses.

The Governance Committee presented the Strategy to Minister of Industry, Tourism and Investment David Ramsay and the Honourable Leona Aglukkaq, Minister of Environment, Minister of the Canadian Northern Economic Development Agency, and Minister for the Arctic Council.

"The Northwest Territories is evolving, and so is our economy," Minister Ramsay noted. "Increasing growth, diversity and certainty in other sectors of our economy outside of our rich



natural resources sector is imperative and the NWT Economic Opportunities Strategy has been developed to do just this.”

"I am pleased to receive the NWT Economic Opportunities Strategy which outlines a plan to ensure that businesses and communities maximize the tremendous economic opportunities that exist in the territory," said Minister Aglukkaq. "I look forward to continuing to work collaboratively with our partners to advance a strong and diversified economy."

The NWT Economic Opportunities Strategy was prepared by a Governance Committee representing the NWT’s primary economic stakeholders: the NWT Chamber of Commerce, the Northern Aboriginal Business Association (NABA), the NWT Association of Communities (NWTAC), the Canadian Northern Economic Development Agency (CanNor) and the Government of the Northwest Territories Department of Industry, Tourism and Investment.

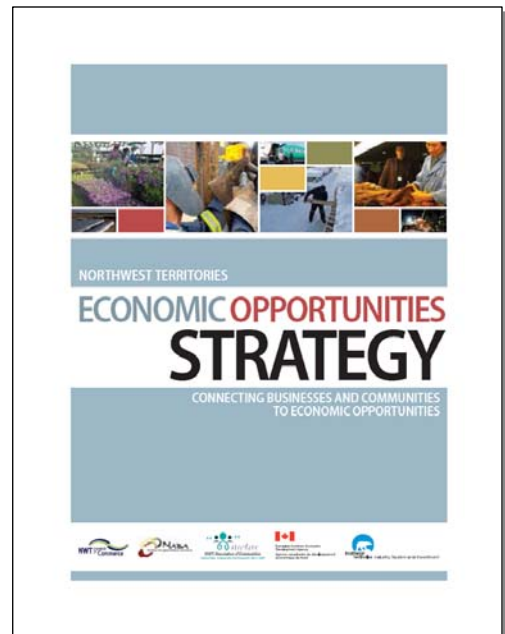
The Strategy includes targets and objectives that position the 117 actions that it recommends be initiated over the next 10 years.

“Resource development is the backbone of our economy, but small and medium-sized business are its heartbeat,” says Hughie Graham, Past President of the NWT Chamber of Commerce and Member of the EOS Governance Committee. “The Economic Opportunities Strategy casts a spotlight on opportunities to diversify and strengthen regional economies which will provide jobs and prosperity to people and businesses at the local level. That’s why it is so important to the NWT Chamber of Commerce.”

“In recognizing the growing economy, the participation of northern businesses and the benefits that the NWT’s growing economic independence will bring all residents, the Economic Opportunity Strategy underscores the importance of the NWT’s growing Aboriginal Business community,” says, Darrell Beaulieu, Chair of the Northern Aboriginal Business Association. “Aboriginal companies are not only engaging and participating in all sectors of the NWT economy, they are now a part of guiding its growth and development.”

“Thanks to the effective engagement of NWT communities, this Strategy is firmly grounded in the grass-roots of our Territory’s economy,” says President of the NWT Association of Communities Merven Gruben. “The NWTAC is pleased to have been involved in such a collaborative process, from consultations with our communities early in the process to continued involvement and engagement in the implementation as we move forward.”

Work by the Governance Committee to prepare the Economic Opportunities Strategy began in May of this year guided by the findings of an independent Advisory Panel that engaged with NWT residents, business representatives, organizations and governments to get a full



understanding of issues, challenges and opportunities related to resource development and regional diversification in the NWT.

The last NWT Economic Strategy “Common Ground” was released in 2000.

Click [here](#) to download the Strategy and [here](#) for the Executive Summary.

## **Mining Slowdown Holds Back Economies of Canada's Territories in 2013**

The Conference Board of Canada released its latest Economic Forecast for the three Territories in mid-October.

The report concludes that lower commodity prices will hold back mineral exploration in Canada's territories, cooling previously-robust economic growth in the territories this year.

Real gross domestic product (GDP) in the territories is forecast to grow by a tepid 0.5 per cent in 2013, according to The Conference Board of Canada's [Territorial Outlook: Autumn 2013](#), released today at [Canada's North Summit 2013](#) in Whitehorse.

"A once-thriving mining sector is now re-evaluating development and exploration plans due to lower commodity prices and tight capital markets, which makes it difficult for mining companies to obtain financing," said Glen Hodgson, Senior Vice-President and Chief Economist, The Conference Board of Canada. "However, the outlook beyond this year is more promising. Economic growth in the territories over the next few years is expected to easily outpace growth in most other Canadian regions."

### **Highlights**

Spending on mineral exploration is expected to be down in all three territories this year, with Nunavut experiencing the largest decline.

Real GDP in the territories will increase by 0.5 per cent in 2013, below recent economic performances.

The medium term is promising; economic growth in the territories over the next few years is expected to easily outpace growth in most other regions of Canada.

Real GDP in the territories as a whole is expected to expand by a more robust 3.2 per cent in 2014 and 4.2 per cent in 2015. While a given mining project is never guaranteed to proceed, favourable global demand for metals suggest that Canada's mining potential is bright over the next decade—particularly in the North.

This year, Yukon's mining industry saw production and staffing cutbacks. Victoria Gold delayed construction of its Eagle mine by a year, and Yukon Zinc and Alexco Resource announced they were cutting production and laying off workers in the summer. Economic growth in the territory will be limited to 0.6 per cent this year.



With two new mines expected to begin construction, Yukon's economic prospects will be more positive next year, with real GDP expected to rise by 5.7 per cent.

The Northwest Territories will have the weakest regional economy in Canada this year — no real GDP growth is forecast. However, the subpar economic conditions are expected to be short-lived. The next five years offer better prospects for mining and the economy, as new mines begin production, and Ekati and Diavik remain in operation. Real GDP growth is expected to rise by 1.3 per cent in 2014 and 2.5 per cent in 2015.

Lower production at Agnico Eagle's Meadowbank mine and a slowdown in mineral exploration will limit Nunavut's economic growth to 1.6 per cent in 2013. Next year, economic growth is forecast to reach 3.7 per cent. Development of Baffinland's Mary River iron ore project will kick the construction and transportation industries into high gear next year. A number of federal, territorial and municipal government projects are also slated to begin construction in 2014.

The [Territorial Outlook](#), published twice yearly, examines the economic and fiscal outlook for each of the territories, including output by industry, labour market conditions, and the demographic make-up. This forecast is funded through the Conference Board's [Centre for the North](#). The Centre's main purpose is to work with Aboriginal leaders, businesses, governments, communities, educational institutions, and other organizations to provide insights into how sustainable prosperity can be achieved in the North. Over its five-year mandate, the Centre for the North will help to establish and implement strategies, policies and practices to transform that vision into reality.

### **An NWT analogue? BC's Mining Policy Needs Changing Says Fraser Institute**

The Northwest Territories could take a lesson from British Columbia in improving the competitiveness of its ailing mineral investment climate. Thankfully, the NWT is on the right track, if the recommendations of the NWT Mineral Strategy Panel are followed. A recent Fraser Institute study – *British Columbia's Mining Policy Performance: Improving BC's Attractiveness to Mining Investment* – provides the analogy.

The study identifies the following 4 key barriers to investment in British Columbia:

1. Uncertainty concerning disputed land claims
2. Uncertainty over which areas will be protected
3. Uncertainty concerning environmental regulations
4. Regulatory duplication and inconsistencies

The role of uncertainty as a deterrent to mining investment is common to the four main investment barriers identified. Uncertainty creates risk for mining investment by decreasing investor confidence in their ability to recoup and profit from their investments. Mining is already an inherently risky endeavour, with a lengthy and time-consuming process to discover and develop mines and move them into production. Bringing a new mine into production is also costly, with profitability subject to volatile and cyclical commodity prices, variable input costs, and currency exchange rates. Policy uncertainty and instability can compound risk for mining companies and threaten the viability of projects.

The Fraser Institute concludes that further improvements are needed if British Columbia is to maintain competitiveness and sustain the exploration investment necessary for the long-term success of the mining sector.

The paper concludes with recommended policy changes to improve the attractiveness of British Columbia for mining investment, specifically, recommendations to reduce uncertainty concerning disputed land claims; recommendations to reduce uncertainty concerning which wilderness, parks, or archaeological sites will be protected; recommendations to reduce uncertainty concerning environmental regulations; and recommendations to reduce regulatory duplication and inconsistencies.

In reaching their conclusions, the authors took a two part approach: Part 1 reviews the recent history of mining in the province and examines the linkages between policy factors and exploration investment. Part 2 of the study uses data from the last five years of the Fraser Institute Survey of Mining Companies to identify which policy areas have been most deterrent to mining investment.

Download the report [here](#), or by clicking on the report icon.



### Slave Province Just Beginning to Show its Real Diamond Potential

The Slave Geological province is beginning to reveal its true depth when it comes to diamond potential. Since diamonds were discovered in 1991, the region which straddles the NWT and Nunavut territories has supported 4 diamond mines.

Is that all there is, some might ask? One might look to South Africa which has produced diamonds for the past 150 years from similar geology. Can the NWT do the same?

To understand the answer, one has to look at the following: continued exploration success, and the value of diamond discoveries versus the costs of mining.

First, with regards to exploration success, it should be noted that all four diamond mines, and even the proposed Gahcho Kue mine (which is proceeding through regulatory approvals), were all discovered in the 1990s, a time of intensive exploration investment. Many kimberlite deposits, some hosting diamonds and some not, were discovered during that period.

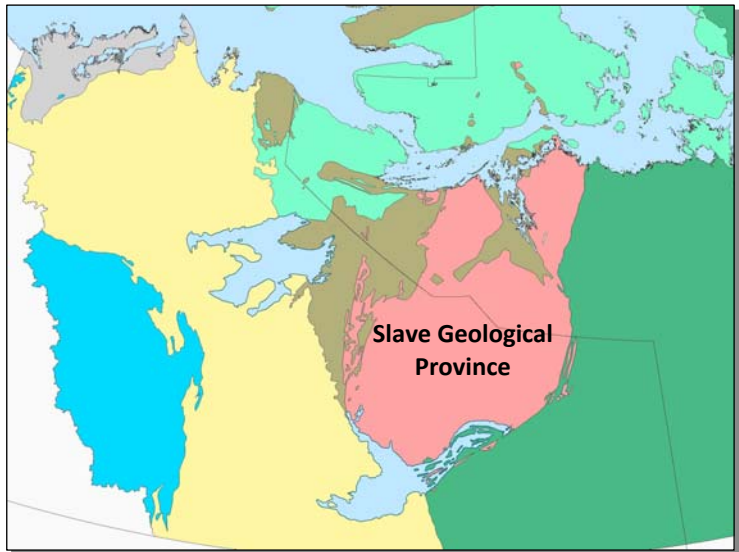
Under appropriate conditions, some of the diamond deposits previously discovered could be mined in future.

A very recent proposal by Dominion Diamonds to mine previously discovered pipes on the Ekati mine property is showing us that the company believes market conditions today can allow the mining of the Lynx, Cardinal and Jay diamond deposits. We wish them much success with this, for it would bode well for our economy given that the Ekati mine contributes nearly 10% of the NWT's Gross Domestic Product.

What of new discoveries? An event that went by rather quietly was the announcement in spring of 2012 by Peregrine Diamonds that of four targets they had drilled, three of them proved to be kimberlites. All the targets were in the immediate vicinity of Lac de Gras, the centre of so much intensive exploration in the 1990s. This shows us that simply because someone has looked once, that new attempts with better technology, or in finer detail can be successful. With renewed exploration investment, what other hidden diamond deposits will be revealed?

Hopefully we will find out when Dominion Diamonds completes their latest exploration work. During 2013, they were one of the few active explorers in the NWT, searching for traces of diamonds on their own ground and on that of North Arrow Minerals' south and east of Lac de Gras. Covering a huge area of 125,000 hectares, the company drilled nearly 1,000 shallow drill holes to test the overburden for kimberlite indicator mineral trails that could lead them to rich diamond deposits. Watch this space closely, as the reporters say.

The most recent exploration excitement arose from news that Kennady Diamonds had intersected high diamond grades in kimberlites underlying their property immediately to the north of the proposed Gahcho Kue mine area.



*The Slave Geological Province (pink) is the third most valuable diamond producer in the world and its potential is great.*

Kennady Diamonds' President and CEO Patrick Evans reported drill core samples taken from the Kelvin and Faraday kimberlite cluster as "extraordinary" after recovering 8.44 carats per tonne. "Although it's a small data set, no company has ever recovered grades of 8.4 carats a tonne from exploration of a kimberlite," Evans said. "The highest before was probably somewhere around four-and-a-half carats a tonne." The largest three diamonds recovered from the sample are a 2.48 carat off-white transparent octahedral, a 0.90 carat off-white transparent irregular, and a 0.75 carat off-white transparent octahedral. Approximately 64 per cent of the recovered diamonds were classified as white and transparent, and about three per cent as yellow and transparent.

What's it all mean?

It means that the Slave Geological Province holds much in store for those explorers who persist and who raise the required financings to keep trying. And of course, supported by an attractive and receptive investment climate!

It also means that we northerners have the opportunity – with appropriate support to attract investors – to sustain and grow our diamond mining industry.

## Canada Eases Uranium Investment Rules for European Companies

As Canada advances the just announced plan to negotiate a Canada-European Union free trade agreement, one proposed change will favour those European companies wanting to advance Canadian uranium mining projects.

Canada has agreed to waive a longstanding requirement that European companies must take on a Canadian partner. This is a policy that apparently heralds from the Cold War era, and there is broad belief that it is no longer required to safeguard Canadian interests.

In Nunavut today, the Kiggavik uranium mining project is being advanced by Areva, a French nuclear company in which the French government owns a significant stake. Areva already has a stake in Canadian mining and power production.

## KPMG Reports speaks to BC's Junior Exploration Financing Woes

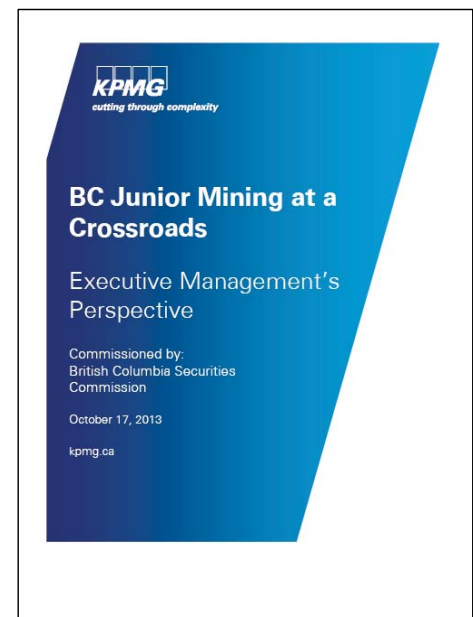
A KPMG released in mid-October titled *BC Junior Mining at a Crossroads* paints a bleak picture for junior explorers in British Columbia. The report was commissioned by the BC Securities Commission, and is based on interviews conducted by KPMG of a limited number of senior executives of junior mining firms located in British Columbia. Download the report [here](#).

KPMG reports the root causes for the malaise are:

- General unfavourable global economic conditions created by:
  - Lack of Interest in Juniors due to lack of major discovery and media coverage
  - Seniors affect Juniors by doing fewer deals
  - Demographics, eg, aging population has lower risk profile
- Regulatory Issues
  - Rigorous Reporting Regime but with high costs for small project size
  - High Transaction Costs, eg, brokerage and listing fees
  - Inconsistent Review and Enforcement by BC Securities Commission

*“Many of the junior mining companies are in survival mode, trying to find the cash just to keep their listing active.”*

Survey Participant



## Scotiabank Reports Junior Financings Near Crisis – Only 1/3 of a Year Ago

Patricia Mohr's Scotiabank October Commodity Price Index report at month end emphasizes that equity capital availability has tightened for junior explorers and their financing is "near crisis". Download the report [here](#) or click on the report icon.

*'Equity capital raised' by junior mining companies on the TSX Venture plunged in 2012 and has moved even lower in 2013YTD — the result of 'investor risk aversion' linked to softer metal & mineral prices and a reluctance by 'junior' as well as 'senior mining companies' to access the public exchanges for capital, given low equity valuations.*

*The TMX Market Intelligence Group indicates that 'equity capital raised' for mining companies on the TSX Venture has dropped from \$5.9 bn in 2011 to a mere \$2.0 bn annualized in 2013 (January-August) — one-third the level of two years ago.*

*At the same time, Senior mining companies have shifted focus from 'growing' production to boosting shareholder returns through cost cutting and more disciplined capital spending; their interest in 'asset acquisitions' from junior mining companies has declined. The net result, junior mine finance is currently in near-crisis, with many small exploration companies now in survival mode, having limited working capital to maintain their TSX Venture listings.*



## Liquefied Natural Gas a Good Option for Some Mines

Liquefied Natural Gas or LNG is increasingly being seen as an option for remote mine sites. In Nunavut, Advanced Exploration has signed an MOU with the Nunavut Government to investigate LNG together.

In October, another member of the Chamber of Mines, Stornoway Diamond Corporation announced the results of a recent feasibility study on the viability of LNG fuelled power plants for their Renard Diamond Project in Quebec.

The study was authored by SNC-Lavalin Inc. and AMEC America Ltd. under the Renard Project EPCM joint venture, and demonstrates substantial benefits to the project in terms of annual operating cost and environmental emissions compared to the currently planned diesel gen-set option. Highlights of the study are as follows:

- Annual operating cost reductions from \$8 million to \$10 million over the initial 11 year mine life, representing a life of mine operating cost saving of \$89 million, or 6.6%.
- Incremental capital cost of only \$2.6 million over the cost of diesel gen-sets, representing a net payback of 4 months.
- An estimated reduction in greenhouse gas emissions of 43%, with significant reductions in NO<sub>2</sub> and SO<sub>2</sub>.
- Stable LNG local supply market based on existing commercial distribution network within Québec.

Matt Manson, Stornoway’s President and CEO says: “We have been investigating more efficient alternatives for power supply at the project compared to the traditional diesel option contained within the current execution plan. A July 2012 Hydro-Québec feasibility study into a powerline for the project demonstrated only a marginal economic benefit of using grid power owing to the high cost for powerline construction. The LNG option now provides us with a much more attractive way forward, with off-the-shelf technology, a positive long-term supply outlook, a much smaller environmental footprint and immediate economic benefits for the project through substantially reduced operating costs. This option is made possible to us because, with an all-season road, we are able to receive regular shipments of liquefied gas from the existing commercial distribution network in Québec, without the need for expensive high-capacity on-site storage facilities. The LNG study has been completed in time to have it incorporated into the final project execution plan prior to the planned commencement of project construction in 2014.”

The Renard LNG power plant will comprise seven 2.1MW rated gas gen-sets, providing sufficient power generation capacity for the project’s normal operating specification of 9.5MW, which represents five gen-sets operating at a planned 92% efficiency. Onsite gas storage will be sufficient for 10 days operation, with new supplies delivered daily by cryogenic tanker truck from the existing Gaz Metro Liquefaction plant and distribution center in Montréal. In addition to power generation, the LNG will be used for heating of buildings and the underground mine, removing the requirement for onsite propane. A smaller quantity of diesel will continue to be used at site for construction activities and mobile mining equipment.

Based on the operating parameters contained within the January 2013 Renard Optimization Study, the incremental benefits of the LNG option over the existing diesel plan are as follows:

Table 1: LNG Feasibility Study Results and Project Impact

| <b>LNG FEASIBILITY STUDY RESULTS AND PROJECT IMPACT</b> |  | January 2013<br>Optimization Study,<br>Diesel | January 2013<br>Optimization with<br>LNG Power Option |         |
|---|--|---|---|---------|
| Operating Cost<br>Parameters <sup>2</sup>               | Unit Power Cost (C\$/kWh)                          | \$0.299                                       | \$0.188   | (-37%)  |
|   | Unit Operating Cost (C\$/tonne) <sup>3</sup>       | \$57.63                                       | \$53.84   | (-7%)   |
|   | Life of Mine Operating Cost (C\$M) <sup>3</sup>    | \$1,352                                       | \$1,263   | (-7%)   |
| Capital Cost<br>Parameters <sup>2</sup>                 | Initial Capital Cost (C\$M)                        | \$752.1                                       | \$754.0   | (+0.3%) |
|   | Escalation Allowance on Initial Capital (C\$M)     | \$45.1  | \$45.8  | (+1.6%) |
|   | Life of Mine Capital Cost (C\$M) <sup>4</sup>      | \$1,013                                       | \$1,010   | (-0.3%) |
| Commodity<br>Consumption                                | Annual Diesel Consumption (million liters)         | 27.5  | 5.9   | (-79%)  |
|   | Annual LNG Consumption (m <sup>3</sup> /annum)     | n/a   | 41,700  |         |
|   | Annual Propane Consumption (m <sup>3</sup> /annum) | 3,500   | n/a   |         |

For more details, view the news release [here](#).



## Member News Releases This Past Month

Links are live in the following news releases issued by our member companies this past month.

- **North American Tungsten Corporation Announces Extension of Debt Payment Due Dates** (October 31, 2013) North American Tungsten Corporation Ltd. announces today that it has extended the payment date to December 31, 2013, for certain of its debt obligations otherwise due at the end of October. [Click for more](#)
- **North Arrow Concludes 2013 Exploration Program at Redemption Diamond Project, NWT** (October 29, 2013) North Arrow Minerals Inc. is pleased to announce exploration work at the 11,500 hectare Redemption Diamond Project in the NWT is now complete. The property is located 32 km southwest of, and 47 km west of the Ekati and Diavik diamond mines ... [Click for more](#)
- **Olivut Resources Ltd. Exploration Update** (October 31, 2013) Olivut Resources Ltd. is pleased to provide an update on the late summer exploration program on the HOAM Project. In September a detailed helimag program was undertaken ... [Click for more](#)
- **Drilling Extends Massive Sulphide Mineralization at Lemarchant Deposit, South Tally Pond Project, Newfoundland** (October 31, 2013) Canadian Zinc Corporation is pleased to provide an update on the 2013 Phase 2 diamond drill program underway on its wholly owned South Tally Pond copper-lead-zinc-silver-gold project in central Newfoundland. [Click for more](#)
- **Tyhee Announces the Completion of One Non-Brokered Unit Private Placement; Initiates New Placement** (October 28, 2013) Tyhee Gold Corp. is pleased to announce that, further to its news release of August 14 , 2013, the Company raised \$600,000 through the sale of ... [Click for more](#)
- **North Arrow Closes \$5.45 Million Private Placement Financing** (October 30, 2013) North Arrow Minerals Inc. is pleased to announce the Company has closed a non-brokered private placement of 13,625,000 common shares at a price of \$0.40 per common share for total gross proceeds of \$5,450,000. [Click for more](#)
- **TerraX options Walsh Lake Property Adjacent to Northbelt Property, Yellowknife, NWT**(October 30, 2013) TerraX Minerals Inc. has entered into an option agreement whereby it can acquire a 100% interest in the Walsh Lake property, contiguous with and immediately east of its Northbelt property in the Yellowknife area, NWT. [Click for more](#)
- **Peregrine Provides Update** (October 23, 2013) Peregrine Diamonds Ltd. today provided an update on activities at its 100 percent-owned Chidliak diamond project located on Baffin Island, Nunavut. [Click for more](#)
- **Stornoway Announces Results from Annual General Meeting** (October 24, 2013) Stornoway Diamond Corporation is pleased to announce the results of the vote at its annual meeting of shareholders held on October 23, 2013 in Montréal, Québec. [Click for more.](#)
- **Dominion Diamond Corporation Files Application to Extend the Ekati Diamond Mine**(October 23, 2013) Dominion Diamond Corporation announced today that it has filed an application with the Wek'ézhii Land and Water Board requesting a new land use permit and a Class A Water Licence for extension of the Ekati Diamond Mine to include the Jay and Cardinal kimberlite pipes. [Click for more](#)
- **Canadian Federal Government Approves Gahcho Kué Diamond Mine Development**(October 22, 2013) De Beers Canada and Mountain Province Diamonds are pleased to announce that the Minister of Aboriginal Affairs and Northern Development Canada, the Hon. Bernard Valcourt, has today approved the development of the Gahcho Kué diamond mine as recommended by the Mackenzie Valley Environmental Impact Review Board. [Click for more](#)
- **Sabina Announces Continued Positive Results From the Umwelt Deposit at Back River, Nunavut** (October 22, 2013) Sabina Gold & Silver Corp is pleased to announce more positive drilling


results at the Umwelt deposit on the Goose property at its 100% owned Back River project in Nunavut, including Hole 13GSE377 with 21.96 g/t Au over 19.72 m and hole 13GSE386 with 17.30 g/t Au over 25.60 m. [Click for more.](#)

- **Fortune Minerals announces sale of Camsell River Project and Progressive Aboriginal Relations award** (October 3, 2013) Fortune Minerals Limited announces it has sold its Camsell River silver property near Great Bear Lake ... to DEMCo ... and has been awarded the Bronze Level Progressive Aboriginal Relations ... [Click for more](#)
- **Elgin Mining Reports Q3 2013 Production And Provides Operational & Corporate Update** (October 21, 2013) Elgin Mining Inc. is pleased to announce production results for the third quarter of 2013 at its Björkdal gold mine in Sweden. [Click for more](#)
- **Diavik selected as a Canada's Top 100 Employer** (October 21, 2013) Diavik Diamond Mines Inc. is pleased to announce it has been selected as a Canada's Top 100 Employer for 2014. This is the third year in a row Diavik has achieved this national recognition. [Click for more](#)
- **Stornoway To Proceed With Liquefied Natural Gas (LNG) Power Plant For Renard Diamond Project** (October 21, 2013) Stornoway Diamond Corporation is pleased to announce the results of a recent feasibility study on the viability of a LNG fuelled power plant for the Renard Diamond Project. [Click for more](#)
- **Platinum Group Metals Reports on Initial Drilling on the Waterberg Extension Permits**(October 21, 2013) Platinum Group Metals Ltd. announces that drilling on the 87% owned Waterberg Extension Permits has successfully confirmed the extension of the Bushveld Complex ... [Click for more](#)
- **MMG delivers strong copper production in the third quarter** (October 18, 2013) MMG Limited today released its third quarter production report with a 32% increase in year-to-date copper production compared with 2012. [Click for more](#)
- **Slowdown in Mining Sector Holds Back Economies of Canada's Territories in 2013 – Stronger growth expected in 2014 and beyond** (October 16, 2013) Lower commodity prices will hold back mineral exploration in Canada's territories, cooling previously-robust economic growth in the territories this year. Real gross domestic product (GDP) in the territories is forecast to grow by a tepid 0.5 per cent in 2013, according to The Conference Board of Canada ... [Click for more](#)
- **TerraX assays 2.97 g/t Au over 21.12 m, including 8.81 g/t Au over 3.88 m, in ... third gold mineralized structure ... at Northbelt, Yellowknife Gold Camp** (October 16, 2013) TerraX is pleased to report further assay results from the ongoing re-logging and re-sampling of drill core from its Northbelt property in the Yellowknife gold camp. [Click for more](#)
- **Kivalliq Acquires Baker Basin Uranium Property in Nunavut Territory, Canada** (October 15, 2013) Kivalliq Energy Corporation has made a strategic addition to the Company's project portfolio through a transaction with Pacific Ridge Exploration Ltd. to acquire a uranium exploration property in the prospective Baker Lake Basin of Nunavut. [Click for more](#)
- **Dominion Diamond Corporation reports Diavik and Ekati Diamond Mine Third Calendar Quarter Production** (October 15, 2013) Dominion Diamond Corporation reports Diavik and Ekati Diamond Mine third calendar quarter production results. The Company has filed a project description report for the Lynx Project and expects to file a project description report for Jay-Cardinal Project before month-end. [Click for more](#)
- **Diavik, Kitikmeot Inuit Association renew participation agreement** (October 15, 2013) Diavik Diamond Mines Inc. and the Kitikmeot Inuit Association are pleased to announce the renewal of the Diavik Diamond Mines Inc. – Kitikmeot Inuit Association Participation Agreement. [Click for more](#)

- **De Beers Elects to not Exercise Chidliak** (October 11, 2013) Peregrine Diamonds Ltd. has been verbally notified by De Beers Canada Inc. that De Beers will not exercise its right to enter into an earn-in and joint venture agreement with Peregrine on the Chidliak diamond project, [click for more](#)
- **Stornoway to Commence Early Construction of Renard Mine Airport** (October 10, 2013) Stornoway Diamond Corporation is pleased to announce that owing to the expected completion of the Renard Mine Road significantly below budget, [click for more](#)
- **Marc Cameron appointed Diavik Diamond Mines Inc. president** (October 2, 2013) Diavik Diamond Mines Inc. is pleased to announce that Marc Cameron has been appointed Diavik Diamond Mines Inc. president. Mr. Cameron, a professional engineer, has been with Diavik since production commenced in 2003 and has held several senior leadership roles within the company ... [Click for more](#)
- **Sabina Gold & Silver Announces Positive Preliminary Feasibility Study on Back River Gold Project, Nunavut** (October 9, 2013) Significant high-grade gold production, at good margins, in a safe Canadian mining jurisdiction. Sabina Gold & Silver Corp is pleased to announce the results of the Preliminary Feasibility Study for its 100%-owned Back River gold project in Nunavut, Canada. [Click for more](#)

### Calendar of Events

- **CAMA 2013, Canadian Aboriginal Minerals Association 21st Annual Conference, Exploring Values, Mining Decisions**, November 3-5, 2013, Westin Bayshore Hotel, Vancouver, BC. Download brochure [here](#).
- **41<sup>st</sup> Annual Geoscience Forum**, Yellowknife, NT, November 19-21, 2013. Plan to attend the North's largest tradeshow and conference. Registrations opening soon on the website, [www.geoscienceforum.com](http://www.geoscienceforum.com).
- **Mineral Exploration Roundup**, The Westin Bayshore, Vancouver, January 27-30, 2014. To learn more, click [here](#).
- **Northern Lights 2014**, Ottawa Convention Centre, a joint venture of the Labrador North Chamber of Commerce and the Baffin Regional Chamber of Commerce. January 29 - February 1, 2014. To learn more, click [here](#).
- **2014 Nunavut Mining Symposium**, April 7 – 10, 2014, Iqaluit, NU. Visit: <http://www.nunavutminingsymposium.ca/>



**NWT & NUNAVUT  
CHAMBER OF MINES**

*Established 1967*

**Northern Mining News** is written and published by the  
NWT & Nunavut Chamber of Mines  
for free distribution electronically to  
those interested in the northern minerals industry.

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## Welcome New Members!

On behalf of all 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:

- **Canadian North Resources & Development Corporation** is a private, incorporated exploration and resource development company based in Toronto.
- **Clearview Geophysics Inc.** is a geophysical services company founded in 1996 that applies geophysical methods and techniques to specific projects. They draw on years of practical experience using state-of-the-art technologies at cost effective rates. Visit: [www.geophysics.ca/](http://www.geophysics.ca/)
- **Det'on Cho Construction** has expertise in road construction and improvements into mines and communities; ice road construction and maintenance; drilling, blasting and crushing; and HDPE, geosynthetic clay and geotextile liner installation for containment facilities. Visit: [www.detoncho.com](http://www.detoncho.com) or click [here](#).
- **Dyno Nobel Canada Inc.** is a leading supplier of industrial explosives and blasting services to the mining, quarrying, seismic and construction industries. Dyno Nobel is the market leader in North America – the largest explosives market in the world – and the second largest supplier in Australia – the third largest explosives market in the world. Visit: [www.dynonobel.com](http://www.dynonobel.com)
- **Frontline Medics Inc.** provides a unique modularized approach to fulfilling their customer specific requirements using their wide variety of core expertise spanning over fifty years of combined operational medical experience and excellence in health care leadership. Visit: [www.frontlinemedics.com](http://www.frontlinemedics.com).
- **Khione Resources Ltd.** is a northern company ... “Khione Solutions Site under maintenance” Visit: [www.khione.ca](http://www.khione.ca).
- **Lautner Promotions Inc.** is a supplier of a wide variety of products to promote your company. Visit: [www.lautnerpromotions.com](http://www.lautnerpromotions.com).
- **Layfield Group.** is an ISO 9000 registered company with operations across North America. Layfield provides manufacturing, fabrication, and construction services for a wide range of environmental, construction, and industrial products. Visit: [www.layfieldgroup.com](http://www.layfieldgroup.com).
- **Nahanni Construction Ltd.** is as a proven leader in cold-weather and remote arctic construction projects with over 25 years experience working in some of Canada's harshest and most inaccessible environments. Visit: [www.nahannincl.com](http://www.nahannincl.com).

## 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> , Chuck Fipke and Stu Blusson | Diamonds                   | Canada's first and largest diamond mine, 310 km. NE of Yellowknife. Open pit and underground. Mine life to 2019. Workforce approximately 1,500.  | Project Description filed for Lynx, Cardinal and Jay pipes, of which the latter could extend the Ekati mine life by 10-15 years.  |
| <a href="#">Diavik Mine</a>      | Rio Tinto and <a href="#">Dominion Diamonds</a>                            | Diamonds                   | Canada's largest diamond producer, 300 km NE of Yellowknife. Mine life to 2023. Became all underground mine in 2012. Workforce approximately 1,000.  | For the first half of the calendar year 2013, Diavik produced 3.5 million carats from 1.0 million tonnes of ore processed for an average grade of 3.41 cts/tonne valued at over \$100/ct.   |
| <a href="#">Snap Lake Mine</a>   | De Beers Canada  | Diamonds                   | Canada's first all underground diamond mine. 220 kilometres NE of Yellowknife. Mine life to 2028. Workforce approximately 750.   | 2012 Socio-economic report has been released.   |
| <a href="#">Cantung Mine</a>     | North American Tungsten  | Tungsten, copper           | Cantung is in the mountains of western Northwest Territories, ~300 km by road NE of Watson Lake, Yukon. Mine life to 2014.   | Q3 news release reports net loss for quarter. Product prices continue to rebound. October release indicates payment dates for debt obligations have been extended.  |
| <a href="#">Nechalacho</a>       | Avalon Rare Metals   | Rare earth metals          | Proposed underground mine 100km SE of Yellowknife. Estimated mine jobs: 200. Target for production start up remains late 2016 with initial product sales anticipated for 2017.   | July 26 MVEIRB recommends project advance to permitting and licensing phase. Mineral resource estimate increased in August.   |
| <a href="#">NICO</a>             | Fortune Minerals Ltd.  | Cobalt-gold-bismuth-copper | Proposed open pit and underground mine located 50 km NE of Wha Ti. Estimated mine jobs: 150  | Federal and Tlicho Gov't approved NICO project proceed to regulatory phase. New investment with Procon nets second payment of \$5,850,000. Fortune received Tlicho Land Access Permit, which provides access to Tlicho Lands for the project; some site work completed this summer. |
| <a href="#">Yellowknife Gold</a> | Tyhee NWT Corp   | Gold                       | Proposed open pit and underground mine of 2 deposits (Ormsby and Nicholas Lake) about 90 km NE of Yellowknife. Estimated 4,000 tpd. Est. mine jobs: 238  | On Aug 19, Tyhee agreed with Board's suggestion to suspend EA until such time as Tyhee advises the MVEIRB that it is in a more favorable position to Yellowknife Gold Project EA process forward.   |
| <a href="#">Prairie Creek</a>    | Canadian Zinc Corporation  | Lead-zinc-silver           | Proposed underground mine 120 km west of Ft. Simpson. Estimated mine jobs: 220   | Water license granted in September, and all permits now in place required to begin construction and operation of the mine.  |
| <a href="#">Gahcho Kué</a>       | De Beers & <a href="#">Mountain Province</a>                               | Diamonds                   | Proposed open-pit diamond mine approximately 180 km ENE of Yellowknife, NT. Estimated mine jobs: 360. Indicated resource increased 12% from 50.5 million carats to 56.6 million carats. Inferred resource increased 80% from 10.3 million carats to 18.5 million carats. | Gahcho Kué Joint Venture signed socio-economic agreement with and NWT Gov't June 28, and IBA with NSMA July 10. October 22, Federal Minister approved project proceed to permitting & licensing.  |
| <a href="#">Pine Point</a>       | Tamerlane Ventures   | Lead-zinc                  | Company proposes underground mine east of Hay River, NT using freeze technology for water management. Estimated mine jobs: 225   | January news releases indicate financing tranche for \$1.7m complete. In February, new experienced miner John Key appointed as CEO.   |
| <a href="#">Courageous Lake</a>  | Seabridge Resources  | Gold                       | Proposed open pit mine 240 km northeast of Yellowknife. 6.5  | New 5-year land use permit issued December 28 to allow up to 700 drill  |

|                        |                |            |  |   |
|------------------------|----------------|------------|--|---|
|                        |                |            | million oz proven and probable reserves. (Positive Preliminary Feasibility Study July 2012)  | holes.  |
| <a href="#">Selwyn</a> | Selwyn Chihong | Zinc, lead | Proposed underground mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) Aboriginal land corporations. | Selwyn Chihong has acquired full control of the project from <a href="#">Selwyn Resources</a> . |

## Mines & Promising Nunavut Mine Projects

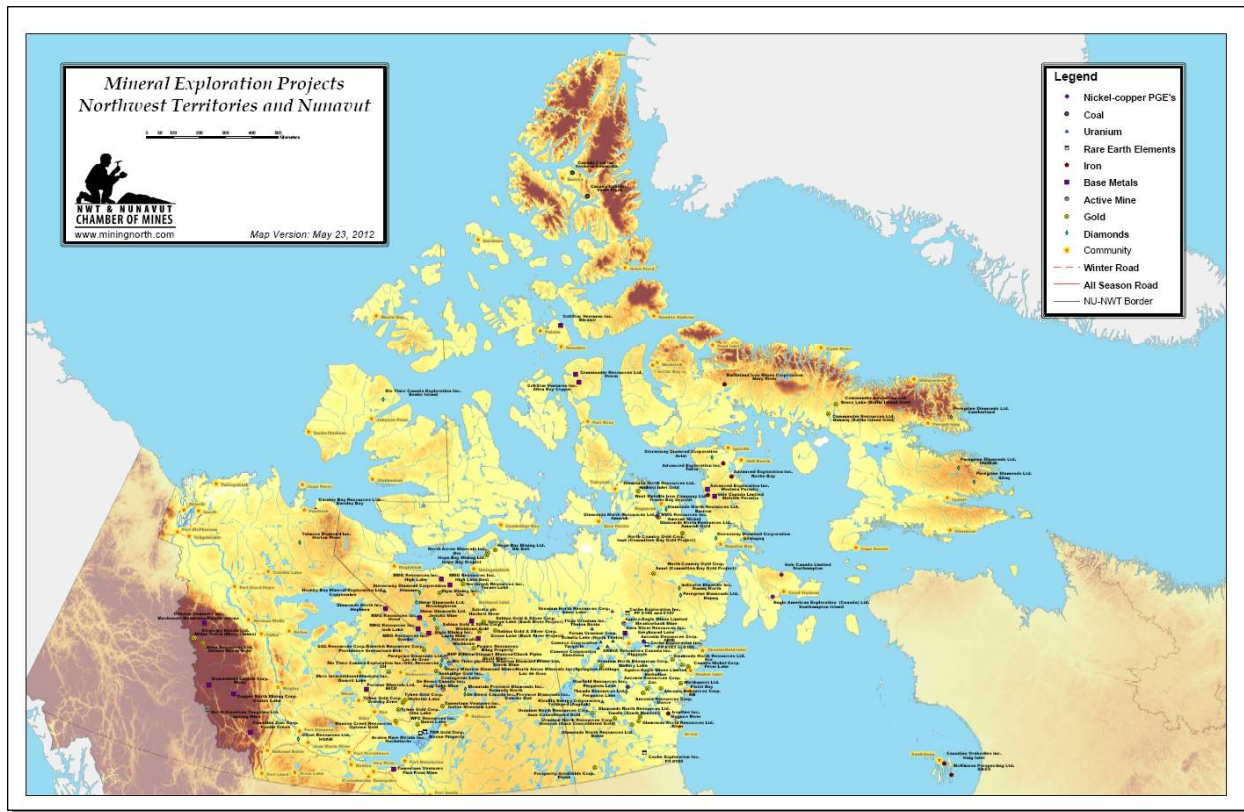
The following table describes a number of leading mineral development projects in Nunavut.

| Project  | Owner(s)                   | Commodity                  | Description  | Status   |
|--|----------------------------|----------------------------|--|--|
| <a href="#">Meadowbank Gold Mine</a>   | 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: 450   | Payable gold production for 2012 totalled 366,030 oz. Mine life extended to 2018. Est. expenditures for 2013 - \$83M.  |
| <a href="#">Mary River</a>   | Baffinland Iron Mines      | Iron                       | Proposed open pit mine with railway and port; 936 km N of Iqaluit with 5 known deposits. Estimated construction jobs: 3,500- 5,000. Estimated mine jobs: 715   | Comments on FEIS Addendum due by October 18, 2013; Technical hearings scheduled for November, 2013. On Sept 9, Baffinland and Qikiqtani Inuit Sign Mary River IIBA. Sept 13, Construction decision made. Sept 25, Baffinland Announces First Charter from Kitchener- Waterloo, to Mary River. Sealift to site completed Oct 7. |
| <a href="#">Kiggavik</a>   | AREVA Resources            | Uranium                    | Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 Estimated mine jobs: 600   | AREVA to submit final EIS as September 30, 2014, with final public hearings in 2015.   |
| <a href="#">Meliadine Gold</a>   | Agnico-Eagle Mines         | Gold                       | Possible gold mine, 6 deposits, the largest of which is the Tiriganiaq deposit, 25 km NE of Rankin Inlet. Estimated construction jobs: 1000 Estimated mine jobs: 700   | Technical review comments on DEIS due November 22, 2013; Est. expenditures for development and exploration for 2013 - \$90M.   |
| <a href="#">Hackett River</a>  | GlencoreXstrata            | 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   | Pre-feasibility Study initiated in September, 2012; Submission of DEIS scheduled for Q3, 2013. GlencoreXstrata is taking lead on advancing the Bathurst Inlet Road & Port project, with Sabina.  |
| <a href="#">Back River</a>   | 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 | Plans to file DEIS by end of 2013. PFS expected to be complete by the end of Q3, 2013.   |
| <a href="#">Izok Corridor Project</a> (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, and will provide revised project description to NIRB by December, 2013.   |

|                                       |                           |          |  |  |
|---------------------------------------|---------------------------|----------|--|--|
| <a href="#">Roche Bay</a>             | Advanced Exploration Inc. | Iron     | Over 500 mt of Indicated Resources within 6 km of a natural deep water harbour at Roche Bay.<br>Estimated construction jobs: 450<br>Estimated mine jobs: 370 - 380 | Positive Feasibility Study August 10, 2012. Announced opportunities for infrastructure support in construction of LNG power plant & port facility, February 5, 2013. |
| <a href="#">Chidliak</a>              | Peregrine Diamonds Ltd.   | Diamonds | Located 180 km S of Pangnirtung. Contains 61 known diamond-hosting formations.   | CH-6 bulk sample scheduled to be processed for diamond recovery Q4, 2013. Peregrine announced small 2013 exploration program and it raised \$3.5m.                   |
| <a href="#">Doris North/ Hope Bay</a> | TMAC Resources            | Gold     | Proposed gold mines 130 km S of Cambridge Bay; covers the majority of the Hope Bay Greenstone Belt.<br>Estimated mine jobs: 300                                    | NIRB recommends approval of Type A Water License renewal for 10-year period on August 16, 2013.  |
| <a href="#">Angilik</a>               | Kivalliq Energy Corp.     | Uranium  | 340,268 acre property located SW of Baker Lake; Hosts the high-grade Lac 50 Trend deposit; 43.3 Mlb inferred resource at 0.69% U308.                               | Kivalliq acquired property in 2008. 87,500 m on exploration and resource drilling to date. 2013 drill program planned.   |

### Detailed Deposit Map

A reminder that this and other detailed maps are available on our Chamber website by clicking [here](#).



Project Maps

