



# Northern Mining News

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March 2014

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## From the Executive Director ...

While this is a March newsletter, we must signal the major milestone reached on April 1 as the NWT Government takes over from the Federal Government the role of landlord for our minerals industry. This was good for industry when it happened in the Yukon eleven years ago, and we expect it will be good for the NWT too as northerners take direct control for the consequences of development. See also the story of the launch of an amended Mackenzie Valley Resource Management Act that accompanies this.

Check out the new statistics from NRCan on both mineral production and on more definitive reporting of exploration expenditures. The latter helps explain how different messages can come from exploration statistics.

Also included are some recent reports on the state of various aspects of our industry, including global exploration trends and diamonds. Very interesting reading indeed.

Happy reading. ... TWH

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

## **Devolution brings New NWT Mining Industry Landlord!**

On April 1, the NWT took on perhaps the biggest step in its progress towards independence and self-reliance by accepting control of land, water and non-renewable resources from the Federal Government. Through the process of devolution, these are the last of the responsibilities to be handed over by the Federal Government, with soft issues like education, health and renewable resources devolved many years ago.

This makes the NWT Government new landlord for the mining and oil and gas industries.

In a congratulatory news release, the Federal Minister of Aboriginal Affairs and Northern Development Bernard Valcourt said: "Our government recognizes that Northerners are best placed to make important decisions on how to best maximize their lands and resources and on how to unlock the economic potential of their territory. I am pleased that the Northwest Territories Devolution Act has been granted royal assent, giving the Northerners province-like powers to make these decisions."

In an address to welcome previously Federal employees as new NWT employees, Premier Bob McLeod stated: "This is an historic day for the Northwest Territories, but it is also another work day and we are already delivering the new programs and services. New responsibilities also mean new opportunities for shaping the future of the Northwest Territories according to the priorities and values of its residents. Together with the Aboriginal governments that make up the Intergovernmental Council, we will ensure our environment is protected, our economy is strong and NWT residents enjoy the benefits of living in an environmentally sustainable and prosperous territory."

Devolution of public lands and resources makes northerners responsible for decisions that were previously made in Ottawa. New territorial legislation that came into effect today gives the GNWT the authority for inspections, enforcement, and leasing on Territorial lands. The GNWT will now manage and regulate the development of minerals, oil and gas. The Waters Act will allow the GNWT to ensure that water is used in a sustainable manner and that it is protected and conserved for future generations.

"Our government is committed to the responsible management and development of all of our resources to create sustainable benefits for our people," said Premier McLeod. "We are now in control of our own future. We have worked hard to prepare for this day, and we will be guided by the Water Stewardship Strategy, the Land Use and Sustainability Framework, the Economic Opportunities Strategy, and the Aboriginal Engagement Strategy, among many others. I am proud of the work we have done and the solid foundation it gives us for developing our economy and protecting our environment according to northern priorities."

The Northwest Territories  
Lands and Resources  
Devolution Agreement  
was signed in Inuvik on  
June 25th, 2013.



## **First mineral claim recorded under new NWT Landlord**

On April 1 – Devolution Day – northern geologist (and Honorary Member of the NWT & Nunavut Chamber of Mines) Lou Covello beat everyone to the punch by being the first explorer to record a mineral claim under the new NWT minerals regime. Attending the event with him in the NWT Mining Recorder's office was the Honourable Dave Ramsay, who is now the Minister responsible for NWT mineral resource management. His department, Industry, Tourism and Investment will administer prospecting permits, mineral claims and mining leases under the new *Northwest Territories (NWT) Mining Regulations*.

The claim that Lou recorded is in the Lac de Gras region, the heart of Canada's and the western world's diamond production.



*The Minister now responsible for NWT mining, the Honourable Dave Ramsay observes as geologist Lou Covello points out his newly recorded mineral claim in the Lac de Gras region.*

## **New, Amended MVRMA Act receives Royal Assent in time for devolution**

Federal Bill C-15, the *Northwest Territories Devolution Act*, received Royal Assent on March 25, 2014 bringing into effect a number of changes to the *Mackenzie Valley Resource Management Act*, the *Northwest Territories Waters Act* and the *Territorial Lands Act*. Download the Bill [here](#).

Amendments included changes in the following areas and came into effect on March 25, 2014. They will remain within federal legislation after devolution on April 1 2014.

- Time Limits
- Life of Project Licensing
- Ministerial Policy Direction
- Board Members
- Increased Fines, including Administrative Monetary Penalties
- Joint Examination Project Recommendations

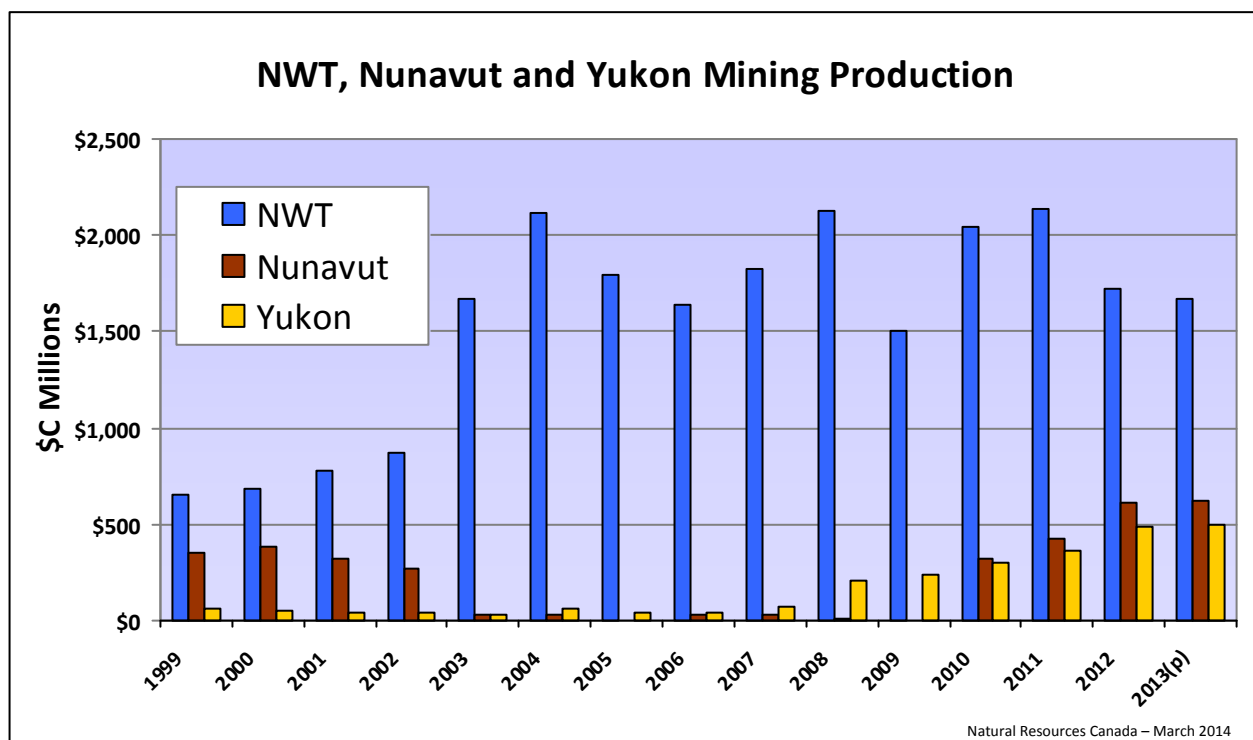
The NWT & Nunavut Chamber of Mines will continue to work with Aboriginal Affairs and Northern Development Canada through the implementation phase of this historic legislation.

### NRCan data: Value of Mineral Production up again in Nunavut, down in NWT

The overall value of mineral production rose in Nunavut in 2013, and dropped in the Northwest Territories, according to Natural Resources Canada (NRCan) statistics posted [here](#)..

- In the NWT, the value of diamond production from its three diamond mines dropped to \$1,561.227 million, a decrease of \$64.831 million (4%) over 2012, despite production having increased by 1%. Tungsten production increased by 8% at the Cantung Mine, and production value of tungsten increased by \$11.4 million to \$99.8 million while copper dropped by \$1.5 million to \$2.2 million.
- In Nunavut, the value of gold and silver production from its only mine, Meadowbank, increased by \$16 million (3%) to \$627 million from \$611 million in 2012, while gold production increase by 16%.
- In comparison, the total value of mineral production in Canada in 2013 was reported at \$43,601 million, down from \$45,911 million in 2012 and \$50,867 million the year before.

The NWT and Nunavut statistics generally reflect general market trends as reported by Natural Resources Canada in their [Information Bulletin, March 2014](#) titled: *Weaker Prices Result in Lower Mineral Production in 2013; Still a Robust \$44 Billion*, which states: *The three commodity groups – metals, nonmetals, and coal – all had reduced production values as a result of lower commodity prices for most major minerals and metals. Notwithstanding price decreases, some commodities, such as gold and copper, had increased output and value.*

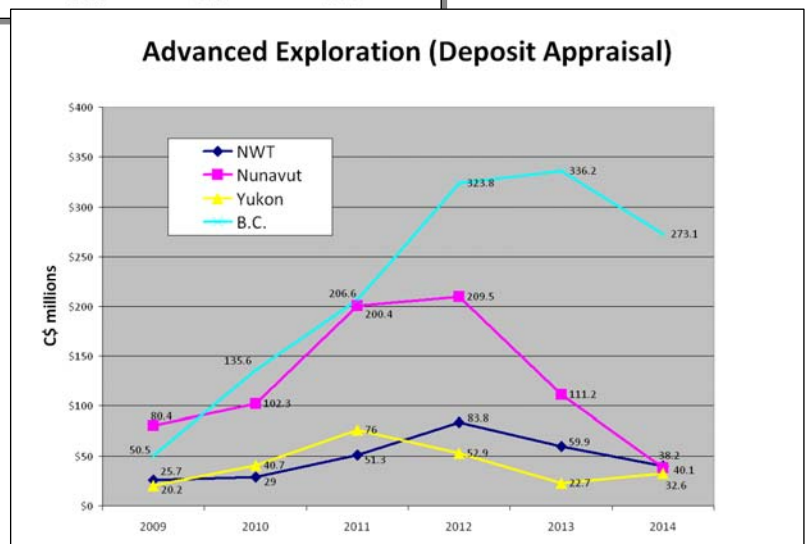
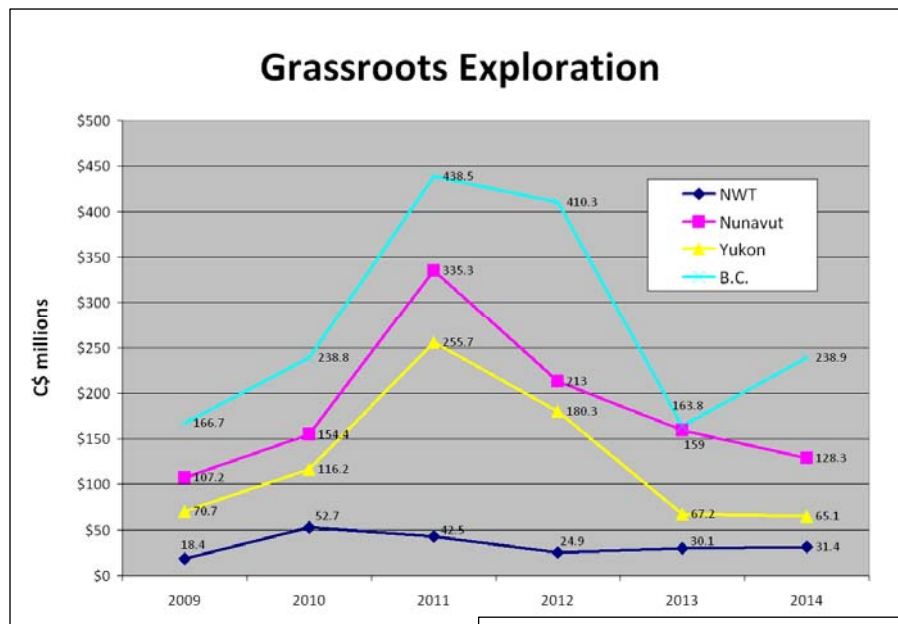


## Grassroots vs Advanced Exploration Statistics

Natural Resources Canada has begun to separate exploration statistics into grassroots and advanced, in order to get a better understanding of the health of our industry. Since advanced exploration generally has much higher costs, it can easily overshadow grassroots expenditures, and give a false measure of exploration health. This is precisely what has occurred in the NWT where we have seen advanced exploration increase, while grassroots projects have fallen.

In the charts below you'll see Nunavut grassroots tracking other jurisdictions, while grassroots investment in the NWT is flat. Given the NWT's mineral potential is similar to Yukon and Nunavut, the NWT has missed attracting many hundreds of millions of dollars in exploration investment that would have helped local NWT businesses including expediting, air charter, diamond drilling, and geoscience consulting, have much healthier years.

The advanced expenditures are a little different story, and you will see we compare favourably with Yukon, but significantly lower than NU. See the data [here](#).





## **NWT's next diamond mine progressing**

### ***Project 17% complete at end February 2014 – First production on schedule for Q3 2016***

In late March, Mountain Province Diamonds Inc. provided an update on progress at the Gahcho Kué diamond project, a joint venture between De Beers Canada (51%) and Mountain Province Diamonds (49%).

#### ***Project schedule***

As at the end of February 2014 the overall project was 17 percent complete and first production remains on schedule for Q3 2016. In a statement issued on March 21, 2014, and available on [www.debeersgroup.com](http://www.debeersgroup.com), De Beers confirmed that there has been no change in the project schedule and that “both partners are happy with the progress to date”.

#### ***Site preparation***

A total of approximately 670 truckloads of equipment and supplies have so far been delivered to Gahcho Kué on the 2014 ice road. A further approximately 100 truckloads are expected to be delivered by the end of March 2014. There are currently approximately 120 people on site and this number is expected to increase through the balance of the year. At peak construction there will be approximately 700 people employed at Gahcho Kué. Work to date has been completed without any lost-time injuries.

Construction of the main airstrip has commenced and prefabricated units of the main camp have been delivered to Gahcho Kué. The main camp and airstrip are expected to be ready for use by mid-2014. Delivery and installation of eight 500-cubic meter fuel tanks has been completed and fuel deliveries are currently underway. Construction of two 18,000 cubic meter fuel tanks is also underway. Sufficient fuel will be delivered to site to support the construction operation for the next twelve months. Shareholders can view photographs of site activities at [www.mountainprovince.com](http://www.mountainprovince.com).

#### ***Feasibility study update***

Preparation of the feasibility study update is continuing and the results are expected to be announced by the end of the month. The updated feasibility study will include an updated Reserve statement, updated capital and operating cost estimates, and updated project economics. The Company will provide further details on financing plans upon completion of the updated feasibility study.

#### ***Permitting***

Processing of the Gahcho Kué full Land Use Permit and Class A Water License remains on schedule. These new permits are expected to be approved during H2 of 2014.

#### ***Tuzo deep drilling***

Drilling of the first of three vertical holes to depths of 750 meters commenced in February 2014. On reaching a depth of 395 meters the drill rods became stuck in the first hole. While attempts to re-drill the first hole from a wedge at approximately 300 meters are continuing, a



second drill rig has been brought to site and has commenced drilling. Further updates on progress will be provided.

Gahcho Kué is the world's largest and richest new diamond mine. A December 2010 feasibility study filed by Mountain Province (available on SEDAR) indicates that Gahcho Kué has an IRR of 33.9%.

Mountain Province is a 49% participant with De Beers Canada in the Gahcho Kué JV located at Kennady Lake in Canada's Northwest Territories. The Gahcho Kué Project consists of a cluster of four diamondiferous kimberlites, three of which have a probable mineral reserve of 31.3 million tonnes grading 1.57 carats per tonne for total diamond content of 49 million carats.

### **AREVA Celebrates 50 Years of Operations in Canada**

*(Excerpted from the "Areva Communities Update", March 2014)* AREVA is pleased to celebrate this year the 50th anniversary of its operations in Canada. AREVA employs more than 500 people located throughout several Canadian provinces and Nunavut. In addition to being one of Canada's leading uranium producers, AREVA provides services and engineering for Canadian nuclear reactors and manufactures radiation detection equipment.

Headquartered in Saskatoon, AREVA Resources Canada is a major contributor to Saskatchewan's economy through mining, exploration and production of uranium. AREVA is investing in the major expansion of its McClean Lake operation in northern Saskatchewan to process ore from the Cigar Lake mine.

"Our success is the product of the hard work and dedication over the years of our many employees and the support of their families and our host communities throughout Canada.

AREVA is today making major investments in our operations in Canada to position ourselves for the next 50 years,” said Vincent Martin, president and CEO of AREVA Resources Canada.

With offices in Pickering and Kincardine, Ontario, AREVA Canada has furnished a range of equipment and services to Canada’s 18 operating reactors and is qualified to work on

CANDU-type reactors around the world. The ATMEA1™ reactor, developed jointly by AREVA and Mitsubishi Heavy Industries, is undergoing pre-project design review by the Canadian Nuclear Safety Commission.



“Over the past half century, AREVA has grown deep roots in the Canadian nuclear industry. We are grateful to have the confidence of our customers and to provide them with a full range of nuclear products and services, both in Canada and worldwide,” said Jean-Francois Beland, executive vice president of AREVA Canada.

Check out AREVA’s new [video](#) celebrating 50 years in Canada.

### **Chesterfield Inlet Hunters and Trappers Organization Meet with Areva**

*(Excerpted from the “Areva Communities Update”, March 2014)* AREVA scientists and a consultant from Nunami Stantec met with the Chesterfield Inlet Hunters and Trappers Organization (HTO) on February 25 to discuss the Environment Impact Statement that AREVA is developing for the Kiggavik Project. The Final Environmental Impact Statement, which AREVA plans to submit to the Nunavut Impact Review Board (NIRB) later this year, will include scientific information as well as information provided by people familiar with the land.

The scientists and HTO members reviewed the maps that contained the baseline data from the surveys conducted plus the information provided by hunters and elders during IQ interviews. As a result of the meeting, some additions were made to the maps. The group also discussed potential impacts on marine mammals from the shipping of materials to the mine site and emergency response measures. AREVA has met with the Chesterfield Inlet HTO about once a year since 2007 and will continue exchange information with the HTO going forward.



## **Diavik and Det'on Cho Logistics announce transportation partnership**

In March, Diavik Diamond Mines (2012) Inc., operator of the Diavik Diamond Mine announced that Det'on Cho Logistics has been awarded Diavik's jet passenger service contract.

"We are very pleased with our new partnership with Det'on Cho Logistics. The Yellowknives Dene First Nation and Diavik have a strong history of working together to create local benefits," said Diavik Diamond Mines (2012) President Marc Cameron.

"We are confident that Det'on Cho Logistics will deliver a quality service to our operations. This new venture builds upon our existing business partnership with the Yellowknives Dene First Nation which includes Bouwa Whee, which provides Diavik with catering and accommodations services."

Under the contract, Det'on Cho Logistics, in partnership with Summit Air and First Air, will manage the transportation of minesite employees traveling to the Diavik Diamond Mine from Edmonton. The contract takes effect 1 April 2014.

According to Det'on Cho Logistics Vice-President Stu Impett, the focus is on providing value for Diavik by putting together a robust solution for moving passengers to the Diavik Diamond Mine. "Our approach has always been to offer solutions to our clients today and adapt to their needs going forward," said Impett. "Det'on Cho Logistics and our partners are able to provide multiple options for moving passengers to the mine, allowing Diavik to choose the best fit for their operation," he said.

Due to its remote location 300 kilometres northeast of Yellowknife, Northwest Territories, and with air only year-round access, Diavik flies its workforce to the mine site for their work rotations. The Diavik Diamond Mine employs 997 people with one half of the workforce residing in Northwest Territories and West Kitikmeot communities. The majority of Diavik local spending is with northern companies many of which are Aboriginal-owned. In 2013, Diavik's total northern spend was \$261 million or 73 per cent of total spend of \$362 million. Total 2013 spending with Aboriginal businesses was \$116 million or 32 per cent.

## **Peregrine Sample Diamonds Have "Good Clarity and Fantastic Shapes"**

So said Tom Peregoodoff, Executive VP Development during a presentation at Northern Lights in Ottawa earlier this year. And with good reason.

As reported on February 26, 2014, a 404-tonne bulk sample collected from the surface of the CH-6 (Chidliak) kimberlite in 2013 returned a grade of 2.58 carats per tonne for commercial-size diamonds larger than the 1.18 mm square mesh sieve size. An average price of US \$213 per carat for a 1,013 carat diamond parcel was determined by WWW International Diamond Consultants. The largest stone discovered in the sample is 8.87 carats valued at US \$36,158.

Representatives from Peregrine also took the opportunity to provide the latest details at a public information session in Iqaluit on March 20th. About a dozen people were on hand to hear the latest developments on Peregrine's South Baffin projects, along with an update on plans for the 2014/2015 seasons.

A presentation with details on the CH-6 bulk sample, new exploration targets and Peregrine's 2014 and 2015 strategy is available by clicking [here](#). Mr. Peregoodoff's presentation at Northern Lights 2014 is available [here](#).



*Peregrine's CH-6 bulk sample travelled over 12,000 kilometres and took 10 months to reach its final destination in Antwerp, Belgium.*

## **Wek'èezhìi Land & Water Board Wins NWT 2014 Excellence in Water Award**

On March 21, NWT Premier Bob McLeod announced that the Wek'èezhìi Land and Water Board (WLWB) is the recipient of the 2014 Council of the Federation (COF) Excellence in Water Stewardship Award for the Northwest Territories (NWT).

The award recognizes outstanding achievement and innovative practice and leadership in the area of water stewardship and is presented to organizations, partnerships, businesses, institutions and communities in each province and territory.

“Congratulations to the Wek'èezhìi Land and Water Board for working collaboratively with communities to promote and practice responsible water stewardship.” said Premier Bob McLeod in announcing the winner of the award. “This is an excellent example of how innovative, locally-focussed and action-oriented programs delivered through a regional board can educate communities in water conservation and water quality protection at the local level.”

The WLWB works with communities to build local capacity for water quality monitoring in the Tłı̄cho region. The board has initiated training for chief and council members, employees, land officers, and other community members to meet the monitoring requirements of water licenses for sewage discharge and solid waste facilities. The training, which includes sampling procedures and interpretation of results, has led to an increased understanding of water quality issues and different aspects of water management.

Support is also provided to the Tłı̄cho Aquatic Ecosystem Monitoring Program, which includes community fish camps to determine how and if fish health, water and sediment quality is changing over time and whether fish and water remain safe to consume.

The WLWB will receive a \$1,000 grant, a certificate signed by the Premier and a glass trophy from the Council of the Federation.



## World Exploration Trends 2014 – SNL Special Report

***Findings show 29% decrease in 2013 worldwide nonferrous metals exploration budgets compared to prior year.***

SNL Metals & Mining's annual examination of World Exploration Trends 2014 was released and shared with delegates to the PDAC conference in early March.

The latest report reveals that all company types cut their exploration activity sharply in 2013 in response to lower metals prices, uncertain demand, and poor market conditions. The result was a 29% decrease in estimated worldwide nonferrous metals exploration budgets compared with 2012.

SNL Metals & Mining's 24th edition of Corporate Exploration Strategies (CES) shows that the mining industry's total budget for nonferrous metals exploration was US \$15.2 billion in 2013, significantly lower than the record US \$21.5 billion total in 2012. The steep plunge in exploration budgets was due to a combination of investor wariness of the junior sector that made it difficult for most companies to raise funds, and a strong pullback by producing companies on capital and exploration spending to improve their margins.

Some key findings include:

- **Exploration expenditures fall in all regions** – Exploration allocations for all regions decreased in 2013, led by the largest dollar decreases in Latin America and Canada. Canada had the largest decrease (41%) of any region, falling to fourth place with 13% of worldwide allocations. (This has been felt in all three northern territories as revealed in data released by Natural Resources Canada and provided in this Chamber newsletter.)
- **Junior companies struggle under weak financing conditions** – Dismal investor interest remains the primary concern for most junior companies heading into 2014, and has already forced considerable strategic shifts within the sector.
- **Significant drilling continues to slow** – The slowdown in drilling activity became more pronounced in 2013, with 771 significant results announced by junior and intermediate companies—a 30% decline from 2012, but less than the 39% and 71% year-on-year drops in junior budgets and financings respectively.





- **Initial resources plunge from 2012's highs** – The persistent uncertainties, financing difficulties, and reduced drill programs resulted in a decrease in the annual amount of new resources added to the pipeline in 2013. The number of initial resources for new zones and deposits fell to only six per month in 2013 from 14 per month in 2012, while the dollar value of the resources announced in 2013 plunged to about a quarter of the 2012 value.
- **Looking forward** – Global economic uncertainty hit the mining industry hard in 2013, bringing fears of a troubled road ahead for many companies. With an overall outlook for a period of modest economic growth, most metals prices are not expected to rise notably in the near term, while the gains made by gold's 2002-11 surge seem a distant memory. Despite the current difficulties, recent pipeline cutbacks may set the stage for a leaner and stronger industry moving forward. Despite the belief among some analysts that the mining industry has hit bottom, the timing of any metals market rebound remains unpredictable; as a result, market uncertainty will continue to be the major influence on the mining industry heading into 2014. Without a near-term resumption of financing, juniors will be forced to further restrict exploration spending, which will lead to further declines in both their aggregate budget total and their share of the overall budget total. Given these forecast scenarios, we expect a modest decrease in exploration budgets for 2014 compared with 2013.

Click [here](#) or on the report thumbnail to download the full report detailing exploration trends.

[SNL Metals & Mining](#) is acknowledged as the leader in providing comprehensive information, expertise, and analysis to the mining industry. Our thank you to SNL for permission to use material from their report.

### Bain Diamond Report – Portrait of Growth

We have just become aware of the third annual report on the global diamond industry prepared by Bain & Company in association with the Antwerp World Diamond Centre (AWDC).

Titled *Journey through the Value Chain*, the report identifies key trends along the value chain for rough and polished diamonds, as well as diamond jewelry. It summarizes key challenges for players across the value chain and provides a view on key trends in the industry for the next three to five years. It also provides an update on the outlook for the diamond industry through 2023. The 2023 demand outlook is based on our extensive market analysis and consumer research. The updated supply forecast is based on the latest developments of key diamond miners and the largest diamond mines worldwide.

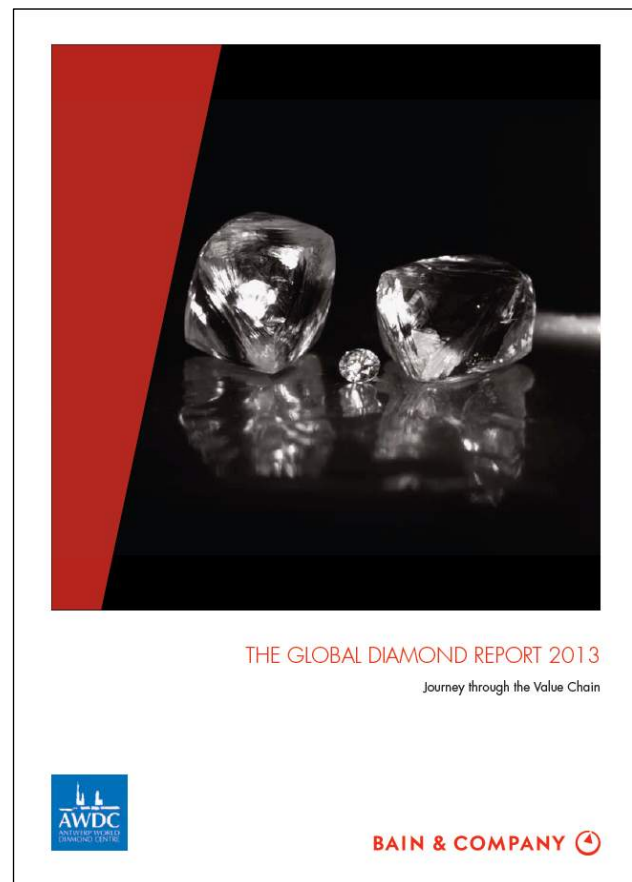
Some of the most significant findings and conclusions include the following:

- **A balanced market over the next four years, with a growing gap between supply and demand longer-term.** The rough-diamond market is expected to remain balanced from 2013 through 2017. From 2018 onward, as existing mines get depleted and no major new deposits come online, supply is expected to decline, falling behind expected demand growth that will be driven by China, India and the US. Over the next 10-year period, supply and demand are expected to grow at a compound annual rate of 2.0%

and 5.1%, respectively. The supply-demand outlook carries different implications for industry players at different points along the value chain, and it will impact the way they manage their business activities over the next four years and in the longer run.

- **Upstream: a focus on operational excellence, strengthening the asset portfolio and adjusting the development pipeline.** With stable market conditions in the next four years, mining companies are likely to focus on maintaining healthy balance sheets, attaining operational excellence and investing in technology to improve productivity. Given the supply-demand balance outlook, mining companies are also expected to carefully review their development pipelines to identify the projects that promise the highest returns.
- **Middle market: continuing consolidation.** The middle market has traditionally garnered the lowest margins along the diamond value chain, with some companies earning as little as 1–2%. Further consolidation and integration is expected in the middle of the value chain in order to maximize margins through scale and scope.
- **Downstream: ensuring security of supply.** Diamond jewelry retailers will be looking to capitalize on the growing demand for diamonds. Their key challenge will be to secure an adequate and consistent supply of polished diamonds in the range of sizes, shapes and colors suited to their product lines. A number of premium retailers have already integrated backwards along the value chain by investing in mining assets and cutting and polishing operations and securing access to primary rough supply. This trend is expected to continue.

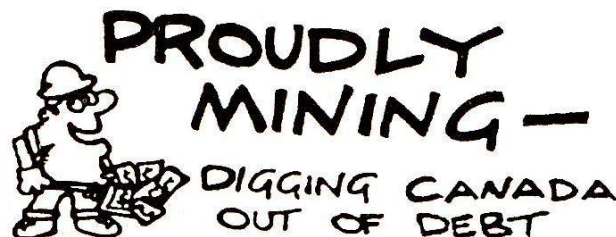
Visit [here](#) or click on the thumbnail to download the free report.



## 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.

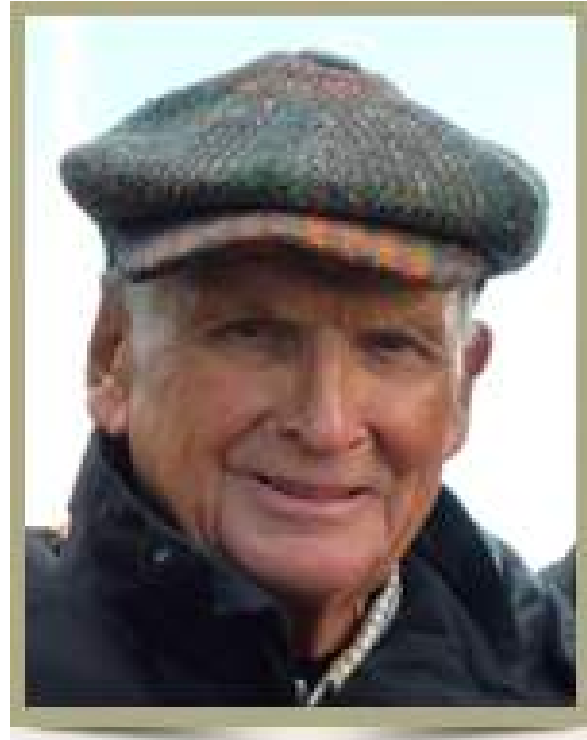
- 1 April 2014, [Agnico Eagle provides notice of release of first quarter 2014 results, conference call and Annual General Meeting](#)
- 1 April 2014, [Seabridge Gold Files Technical Report On Deep Kerr Deposit](#)
- 31 March 2014, [Fortune Minerals releases 2013 annual financial results](#)
- 28 March 2014, [Mountain Province Diamonds 2013 Annual Report](#)
- 28 March 2014, [Mountain Province Diamonds Closes C\\$28.24M Bought Deal and Non-Brokered Financing](#)
- 27 March 2014, [Stornoway Confirms Negotiations For Project Financing](#)
- 26 March 2014, [Tamerlane Receives Positive NI 43-101 Updated Summary Technical Report for the Company's Pine Point Project](#)
- 26 March 2014, [Nighthawk Reports 36.85 Metres of 5.67 g/t Gold and 26.65 Metres of 6.53 g/t Gold from Historic Drilling at Cass and Proposes Share Consolidation](#)
- 25 March 2014, [TerraX begins drilling on Yellowknife City gold project](#)
- 24 March 2014, [North American Tungsten Obtains Regulatory Approval For Conversion Of Debentures](#)
- 24 March 2014, [Mountain Province Diamonds Provides Gahcho Kué Project Update](#)
- 24 March 2014, [Stornoway Draws On Second Tranche Of \\$20M Bridge Facility With Diaquem Inc.](#)
- 24 March 2014, [Elgin Mining Reports Fourth Quarter and 2013 Results](#)
- 24 March 2014, [Strongbow Announces Share Consolidation](#)
- 21 March 2014, [Elgin Mining Announces Fourth Quarter and Full Year 2013 Conference Call Details](#)
- 21 March 2014, [Canadian Zinc Reports Financial Results For Fiscal 2013](#)
- 21 March 2014, [Santa Fe Gold Terminates Proposed Agreement And Plan To Merge With Tyhee](#)
- 19 March 2014, [Dominion Diamond Corporation's Fiscal 2014 Fourth Quarter and Year-End Results to be released Wednesday, April 2, 2014](#)
- 18 March 2014, [Peregrine Announces Commencement of 2014 Program at Chidliak](#)
- 17 March 2014, [Peregrine Announces Board Election Results](#)
- 17 March 2014, [Kennady Diamonds Updates Kelvin Kimberlite Drilling](#)
- 14 March 2014, [Diavik and Det'on Cho Logistics announce transportation partnership](#)
- 14 March 2014, [Dominion Diamond Corporation Reports Updated Reserve and Resource Statements for the Ekati and Diavik Diamond Mines](#)
- 12 March 2014, [Kennady Diamonds Announces Granting of Stock Options](#)



## **Obituary – Earl Curry**

On March 8<sup>th</sup>, well known northern mining entrepreneur, Earl Curry passed away peacefully at his home in Victoria, with family surrounding him.

Earl was born in O'Donnell, Sudbury District, Ontario, and grew up in Tweed and Toronto. In 1951 an opportunity arose which would have a profound effect on his life. He obtained a job with a prominent consulting mining engineer, Norm Byrne, in Yellowknife, Northwest Territories. Norm became a mentor to him and the 5 years he worked for him was a continuing process in learning the world of mining exploration and development. Aside from a 5 year return to Toronto working in the investment business, the rest of Earl's working years were in Yellowknife, Edmonton and Calgary, until his retirement to Christina Lake, BC in 1982. He built his dream home in this spectacular setting and he and his family enjoyed 14 years there, much of that time spent pursuing his passion – golf!



Although retired, many opportunities arose to participate in various start-up ventures, with travels to Greenland, Iceland, etc., and the highlight of this period was his participation in the group that resulted in the discovery of the Diavik mine in the NWT. Earl and brother Jack's (a geological engineer) original public company was Precambrian Shield Resources (the name was subsequently changed to Mark Resources and it is now part of Enerplus Corp). In 1979 it was the first public company to issue flow-through shares, which is still a favoured method for financing junior resource companies. Earl was very proud of this.

Earl frequently stated it was better to be lucky than smart and he considered himself living proof of this. He was lucky to have had two great women in his life and lucky to have had outstanding business relationships and partners in his ventures in mining, oil and gas, and commercial real estate (they changed the skyline of Yellowknife with their highrise buildings). His non-business activities included being President of the Northwest Territories Liberal Party in the early 1960s (a riding that then covered one-third of the land mass of Canada), Member of the Yellowknife Public School Board, and in Edmonton he spent 5 years as director and vice-chairman of the Glenrose Provincial General Hospital. Click [here](#) to read Earl's full obituary.



## Calendar of Events

- **2014 Nunavut Mining Symposium**, April 7-10, 2014, Iqaluit, NU. Visit: <http://www.nunavutminingsymposium.ca/>
- **Canadian Frac Sand Logistics & Market Forecast Summit 2014**, April 29-30, 2014  
Calgary. Canada's First Ever Platform Discussing Frac Sand Logistics, Market Forecasts and Demand Specifications. Visit: [www.frac-sand-logistics-canada-2014.com/](http://www.frac-sand-logistics-canada-2014.com/)
- **CIMM 2014 Annual Mining Conference: Mining for Everyone**, May 11-14, 2014,  
Vancouver, BC. To learn more visit: <http://vancouver2014.cim.org/>
- **Northern Regions Mining Summit**, May 28-30, 2014, Vancouver, BC will address the social, cultural and economic impact and opportunity of mineral resource development for Northern peoples in Alaska, Canada and Greenland. Organized by Institute for the North. Click [here](#) for more or visit: [www.institutenorth.org/NRMS](http://www.institutenorth.org/NRMS).
- **Canadian Aboriginal Minerals Association**, 22<sup>nd</sup> Annual Conference: **Seeking Certainty, Mining New Ground**, November 16-18, 2014, Toronto. To learn more, visit: <http://www.aboriginalminerals.com/>

## Welcome New Members!

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

- **Private Sky Aviation** is a charter specialist offering clients a wide range of aircraft to meet their specific needs on a daily basis. Visit: [www.privateskyaviation.com](http://www.privateskyaviation.com).



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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
<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 2020. Workforce approximately 1,500.	April 4 news release Reports Fiscal 2014 Fourth Quarter and Year-End Results for Ekati and Diavik. March 14 release updates ore reserves and resources. Work continues to advance the proposal to mine three new pipes to potentially extend the operating life of the Ekati Diamond Mine in the order of 10 to 20 years beyond the currently scheduled closure in 2020.
<a href="#">Diavik Mine</a>	Rio Tinto and <a href="#">Dominion Diamonds</a>	Diamonds	Canada's largest producer of diamonds, 300 km NE of Yellowknife. Mine life to 2023. Became all underground mine in 2012. Workforce approximately 1,000. To Dec 31, 2013, the mine has produced approximately 84 million carats of diamonds from the processing of approximately 22 million tonnes of kimberlite and has transitioned from an open pit operation to a fully underground mine.	April 4 DDC news release Reports Fiscal 2014 Fourth Quarter and Year-End Results for Ekati and Diavik. "Diavik continues to deliver excellent results." DDC reported that for the 2013 calendar year, Diavik performed ahead of target, producing 7.2 million carats from 2.1 million tonnes of ore processed compared to production of 7.2 million carats from 2.1 million tonnes of ore processed in the calendar 2012. DDH also released a new life of mine plan in February that projects annual production to closure in 2023.
<a href="#">Snap Lake Mine</a>	De Beers	Diamonds	Canada's first all underground diamond mine. 220 kilometres NE of Yellowknife. Mine life to 2028. Workforce approximately 750.	2012 Socio-economic report released has been released. Change to water license to undergo environmental assessment.
<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. Mine operations were generally stable during fiscal 2013 with similar levels of feed grade and slightly improved metallurgical recovery; while tons milled and MTUs produced increased compared to fiscal 2012.	Feb 25 news release announced a net loss of \$4.5 million or \$0.02 per share for the three months ended December 31, 2013 ("Q1 2014") compared to a net loss of \$4.0 million or \$0.02 per share for the comparable quarter in fiscal 2013 ("Q1 2013"). The Company is on track to complete by mid-year improvements to the mill with potential to enhance production by up to 20% and implementation of a permanent waste water treatment plant to improve its long term tailings management.
<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.	Feb 14 announced Participation Agreement signed with Northwest Territory Métis Nation. March 3 announced Avalon has entered into an agreement to have Solvay process Avalon's rare earth concentrate into pure rare earth oxides for an anticipated period of 10 years from the start of deliveries to Solvay's rare earth separation and refining plant located in La Rochelle, France. In addition, effective immediately, Solvay will provide Avalon with technical support for the further design optimization, engineering and commissioning of Avalon's hydrometallurgical processing plant.

<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	Feb 11 news release: Fortune Minerals receives Environmental Assessment approval for Saskatchewan Metals Processing Plant
<a href="#">Yellowknife Gold</a>	Tyhee 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	Mar 21 news release: Santa Fe Gold Terminates Proposed Agreement And Plan To Merge With Tyhee. Tyhee has submitted two land use permit renewals: Clan Lake (MV2014C0003) and Goodwin Lake (MV2014C0004). As such, they are being processed at the same time, but have separate reviews through the ORS. Tyhee requested the renewal be exempt from preliminary screening in an email dated Monday January 20, 2014. Board staff believes the LUP Application is exempt from preliminary screening. The Board will meet to confirm the Application is exempt from preliminary screening prior to making a decision on the Application.
<a href="#">Prairie Creek</a>	Canadian Zinc Corporation	Zinc-lead-silver	Proposed underground mine 120 km west of Ft. Simpson. Estimated mine jobs: 220  All permits now in place to construct and operate the mine. Completion of an optimized feasibility study and conclusion of a project financing package is expected in H1/14.	News release March 21 reports financial results for year 2013 and provides outlook for 2014. Focus for 2014 will be to advance the Prairie Creek Project towards production. In January, Tetra Tech was engaged to provide technical services for basic engineering and procurement services for the development of major equipment packages, facility rehabilitation and repair work and capital items for the mine. Canadian Zinc and Tetra Tech will issue tender packages for competitive tender to qualified bidders in the first and second quarters of 2014, giving full recognition to opportunities for participation by local First Nations and adjacent communities.
<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.	Mar 24 Project Update: Project 17% complete at end February 2014; First production on schedule for Q3 2016.
<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	News release March 28: Tamerlane Receives Positive NI 43-101 Updated Summary Technical Report for the Company's Pine Point Project
<a href="#">Courageous Lake</a>	Seabridge Resources	Gold	Proposed open pit mine 240 km northeast of Yellowknife. 6.5 million oz proven and probable reserves. (Positive Preliminary Feasibility Study July 2012)	New 5-year land use permit issued December 28 to allow up to 700 drill holes. In the nine months of 2013, the Company incurred \$5.3 million in exploration costs to complete the winter and spring exploration and drilling programs and assess the results of those programs.
<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.

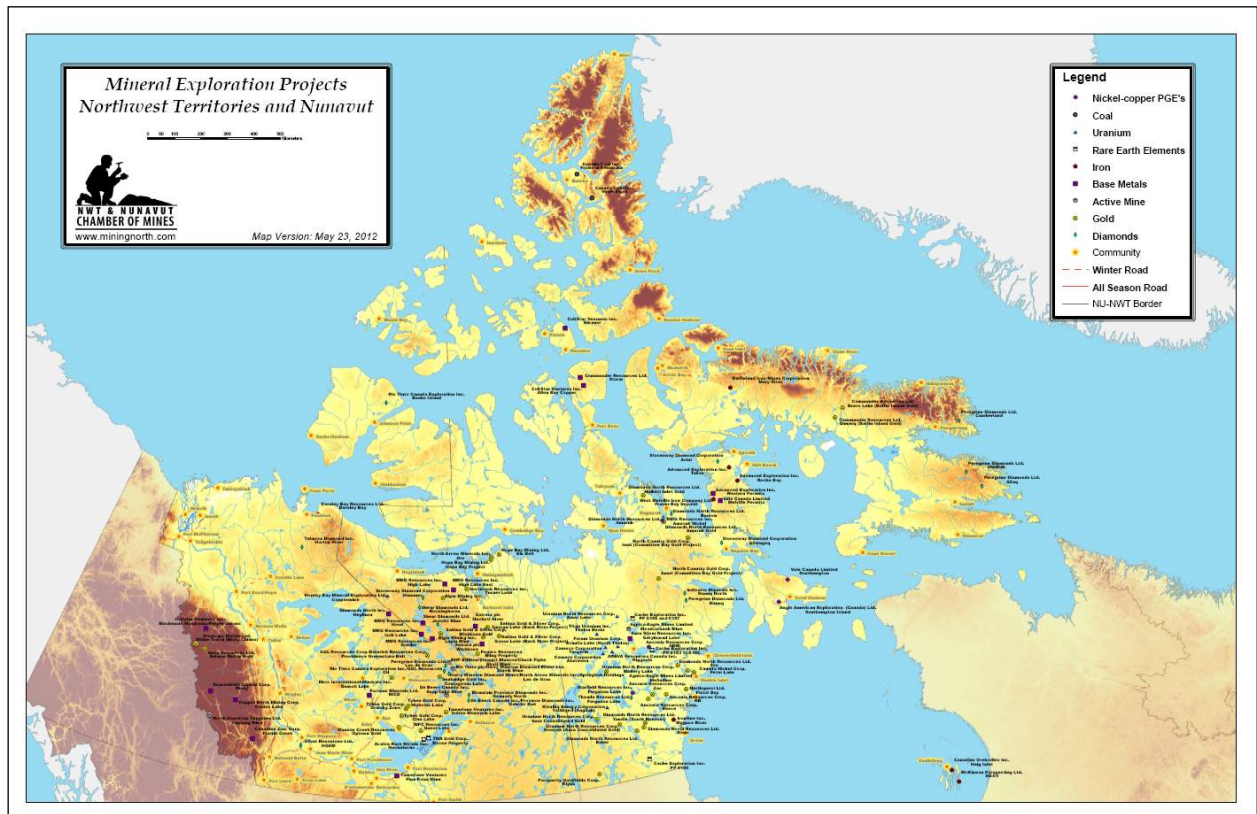
Project	Owner(s)	Commodity	Description	Status
<a href="#">Meadowbank Gold Mine</a>	Agnico-Eagle Mines	Gold	In operation since 2010. Open pit mine located in the Kivalliq Region, 300 km west of Hudson Bay and 70 km N of Baker Lake. Mine jobs: 450	Feb 12 AEM reports Q4 and full year 2013 results: record annual gold production at Meadowbank - 430,613 ounces at a total cash cost of \$774 per ounce.
<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	Baffinland and QIA sign IIBA on September 5, 2013. First Charter from Kitchener-Waterloo to Mary River on September 25, 2013; Sealift to site completed Oct 7, 2013; Anticipate production from ERP to begin September, 2014.
<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	On Feb 13, AEM informed the Nunavut Impact Review Board that it expects to submit a Final Environmental Impact Statement (FEIS) for Meliadine to the NIRB on or before May 2, 2014.
<a href="#">Hackett River</a>	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	Pre-feasibility Study initiated in September, 2012; Submission of DEIS scheduled for Q3, 2013. Glencore 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	NIRB confirms Back River DEIS conforms the EIS guidelines and that the technical review process begins February 12.; March 4 updated mineral resource with increase in overall contained Au ounces in the Measured, Indicated and Inferred Resource categories including significant increase in measured Au ounces from 304,000 ounces at 4.4 g/t Au and 2,168 kt to 1,714,000 ounces at 5.2 g/t Au and 10,210 kt for open pit.
<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. Estimated construction jobs: 450 Estimated mine jobs: 370 - 380	Positive FS 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.	February 26 announced bulk sample value of stones from the CH-6 kimberlite pipe averaged US\$213 per carat; entire parcel



				was valued at US\$215,605. The grade of the 404.2 tonne bulk sample that yielded the 1,013.5 carat parcel was 2.58 carats per tonne;
<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. Estimated mine jobs: 485	NIRB recommends approval of Type A Water License renewal for 10-year period on August 16, 2013.
<a href="#">Angilak</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.
<a href="#">Lupin &amp; ULU</a>	<a href="#">Elgin Mining Inc.</a>	Gold, silver	Located SE of Kugluktuk. Lupin mine: past production; 3.7 million oz. ULU deposit: indicated mineral resource; 751,000 tonnes	March 24 News release with 2013 Financial results: \$4.8 million in Lupin care and maintenance costs.

## Detailed Deposit Map

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



## Project Maps

