

Northern Mining News

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From the Editor ...

Welcome to our latest Chamber of Mines newsletter.

Great to see Mountain Province's update on the Wilson kimberlite at the Gahcho Kué mine. Encouraging comments, including that the results indicate that the life of the mine is an openended opportunity, from company president Stuart Brown.

Also in this edition, we included the Antwerp World Diamond Centre (AWDC) and Bain & Company annual global diamond report. It's an in-depth dive into the industry covering industry performance in 2018 and the first half of 2019. Check out key trends shaping the industry.

Osisko continues to advance it's Pine Point project and its latest release provides the latest details on zinc and lead intersections at the property's L37 deposit. The company says more drilling is planned in the weeks ahead.

We've included information on how to add your comments to the NWT government's mining incentive program and the City of Yellowknife's strategic plan. Both surveys offer our industry and its members the opportunity to contribute thoughts and concerns which we hope will improve the lanscape for our industry.

Finally, have a look at Industry, Tourism and Investment's latest *Unlocking Our Potential* publication – a great read!

Happy reading! ... Editor

Mountain Province provides additional Wilson kimberlite results

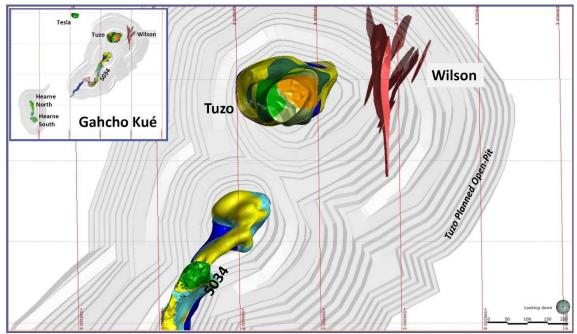
Mountain Province Diamonds Inc. provided additional microdiamond and delineation results for the Wilson kimberlite that was discovered earlier this year and lies within the open pit mine plan for the Tuzo kimberlite. Highlights:

- New microdiamond results from 1.7 tonnes of drill core
- 86 diamonds greater than 0.85mm recovered that weigh a total of 2.33 carats
- New drilling includes an additional 409 meters of kimberlite from ten drill holes

A total of 1.7 tonnes of kimberlite recovered from two drill holes at Wilson was treated for microdiamond recovery at the Saskatchewan Research Council with a total of 5,564 diamonds recovered in the +0.075mm size classes, including eighty-six +0.85mm diamonds weighing a total of 2.23 carats. Delineation drilling for Wilson has also been completed with ten new drill holes intersecting a total of 409 meters of kimberlite over the 2,897 meter drilling program.

"These results, that follow on the discovery of Wilson earlier this year, are evidence that the life of the Gahcho Kué Mine is still an open-ended opportunity. Wilson has the potential to make a valuable contribution to the mine, and it represents only the early results of our combined exploration efforts with De Beers to continue to add value through further discovery in the area," said President and CEO of Mountain Province Stuart Brown.

Earlier this year, eighteen drill holes had been completed at Wilson and preliminary microdiamond results for 113 kilograms of kimberlite were reported (see news release June 11, 2019). Drilling completed since has an additional ten drill holes that have further delineated the Wilson body, as well as kimberlite sheets that occur adjacent to and west of Wilson. The latest drilling results are summarized in the table in the full release. Three-



The Wilson kimberlite discovery was announced in June 2019 as a result of renewed exploration in the immediate area surrounding the Gahcho Kué kimberlites. Mountain Province illustration

dimensional modeling has confirmed that Wilson is elongated north-south and has roughly vertical contacts with country rock along its length, with a greater volume of kimberlite to the north. Drilling completed since the last update for Wilson has also confirmed that several ancillary kimberlite sheets exist east of and adjacent to the Wilson body.

After preliminary logging at the mine site, drill core was secured and shipped to a logging facility located in Calgary, Alberta that is operated by De Beers Technical Services. After the core was logged in detail, it was decided that drill holes MPV-19-496C and MPV-19-501C should be sampled in entirety for microdiamond analysis. Representative samples were preserved from both drill holes, and the rest was shipped in secure containers to the Geoanalytical Laboratories Diamond Services of the Saskatchewan Research Council ("SRC") for caustic fusion recovery of microdiamonds. A total of 1,702 kilograms of kimberlite was treated for microdiamonds, with 5,560 diamonds recovered from the +0.075mm size classes. Eighty-six +0.85mm diamonds recovered from the two drill holes weigh a total of 2.33 carats. The results are summarized in the table in the release and include those reported in June 2019 from the discovery drill hole MPV-19-496C.

Security and chain of custody protocols were in place during the transit of the drill core from the minesite, and sampling and shipping the kimberlite core samples from Calgary to the SRC. The SRC is accredited to the ISO/IEC 17025 standard by the Standards Council of Canada as a testing laboratory for diamond analysis using caustic fusion.

The drilling results for the Wilson kimberlite are not sufficiently well-constrained to define a Mineral Resource, and as such the Wilson kimberlite is considered a Target for Further Exploration (TFFE). Based on drilling and 3D modeling to date, a potential range from 2.0-3.0 million tonnes is possible for the Wilson kimberlite. The estimate of a TFFE is conceptual in nature as there has been insufficient exploration to define a Mineral Resource, and it is uncertain if future exploration will result in the estimate being delineated as a Mineral Resource. Petrographic and geochemical analysis of the core to define internal lithologies for Wilson is ongoing with results expected in early 2020.

Global diamond industry 2019 report

Strong origins: Current perspectives on the diamond industry, plus a 50-year review

Welcome to the ninth annual report on the global diamond industry, prepared by the Antwerp World Diamond Centre (AWDC) and Bain & Company. This year's edition covers industry performance in 2018 and the first half of 2019 and explains key trends that are shaping the industry.

The report begins with key developments along the value chain. In subsequent sections, we review factors that influenced rough diamond production and sales, midstream performance and global diamond jewelry demand in major markets. This year, we also review the industry's performance over the past 50 years, analyze historic downturns and apply that history to recent events.

We updated our long-term outlook for the diamond industry through 2030. The 2030 supply—demand forecast considers announced production plans, recent changes in mining operations,

potential additional sources of supply, expected changes in global and regional macroeconomic parameters, and potential impacts from lab-grown diamonds.

Key points are summarized below:

- Short-term challenges caused mining and midstream revenues to shrink by 25% and 10%, respectively, in 2019. Near record-high rough diamond production in the beginning of 2019 was followed by lower-than- expected demand for polished diamonds, causing a ripple effect through the supply chain. The softer demand for polished diamonds was driven by two major factors: geopolitical and macroeconomic tension lowered consumer confidence and thus demand, and an increase in e-commerce created efficiencies in the supply chain that decreased the need for inventory on hand.
- Available financing for midstream players decreased by \$5 billion since 2013. This 30% decline in financing impacted the ability of manufacturers to support the growth of their operations. Traditional diamond banks curtailed their exposure to the diamond sector. Indian banks adopted a more conservative approach following the poor performance and challenges of the Indian financial sector at large. Cutters and polishers reduced rough diamond purchases about 30% to off-load inventory and improve their cash flow. In 2019, access to affordable financing became even more challenging for midstream players.
- In 2019, global diamond jewelry retail sales are expected to decline by up to 2% in US dollars based on the retail performance during the first three quarters of the year. In local currency, we expect the demand for diamond jewelry to remain stable. The strength of the holiday shopping season will determine the outcome. The decline is driven by changes in the two largest markets, the US and China, where jewelry sales are expected to decline by 2% and 5%, respectively, in 2019. However, the holiday season may reverse that trend. In the US, the downturn is attributed to three things: shrinking consumer confidence, a decline in Chinese tourists that consequently lowered luxury purchasing, and a 15% tariff on Chinese jewelry that went into effect in September. Despite a shift toward local consumption, the diamond jewelry market in Greater China is also expected to decline.



- Softer demand for polished diamonds led to a 3% drop in polished prices and is expected to lead to 10% to 15% lower revenues for midstream players. The slowdown resulted in some of the lowest profit margins experienced in years, as well as high inventory levels, which have been accumulating since 2017.
- Rough diamond sales are expected to fall by 25% in 2019 though rough diamond production remained stable. Major rough diamond producers responded to midstream pressure by increasing their inventory levels and offering more flexible purchasing terms, cutting rough diamond prices by 5%. Junior miners lowered prices by 7% to 10% in attempts to minimize inventory.

- Based on historic experience, the market typically returns to pre-crisis levels within one to two years. Aside from the current downturn, the diamond market has faced only four recessions in the past 50 years. In the same time, rough diamond production has grown three times, and rough and polished prices have increased 450% and 250%.
- We expect the midstream to clear its inventory backlog in the beginning of 2020, bringing a better year for the industry. However, based on our historical analysis, the industry is not likely to fully recover in 2020 because of ongoing supply—demand inequality and limited growth of financing options for midstream players. Major diamond producers have not announced substantial mining plan cuts, and we do not expect significant retail growth in 2020, as consumers brace for a global recession. The industry will have a stronger chance to rebalance and grow in 2021.

Four key trends are currently shaping the diamond industry:

- The rapid growth of e-commerce in the diamond jewelry market lowered polished sales performance in 2019 and will continue to influence the diamond pipeline. Online sales and more efficient supply chain operations require less inventory on hand, causing a need to rethink the business model for midstream players.
- Marketing spending is increasing to address complex consumer needs. Customer preferences are changing rapidly, and the diamond jewelry industry faces increased competition from Experiences and Electronics categories and from lab-grown stones.
- The lab-grown diamond market grew 15% to 20% again in 2019. Chinese and Indian producers drove the increase, aided by the widening price differential of lab-grown diamonds versus natural ones and campaigns that leveraged the "green" benefits of manufactured stones. Select jewelry designers and retailers are beginning to use lab-grown diamonds, signaling their acceptance and driving lab-grown jewelry sales.
- The focus on sustainability and social welfare is heightened. Both consumers and the
 professional community are seeking pipeline transparency to ensure diamonds are
 sourced responsibly and produced sustainably. Blockchain solutions are being used to
 track diamond origin, and programs are emerging to minimize negative environmental
 impacts and to support people in remote locations with employment opportunities.

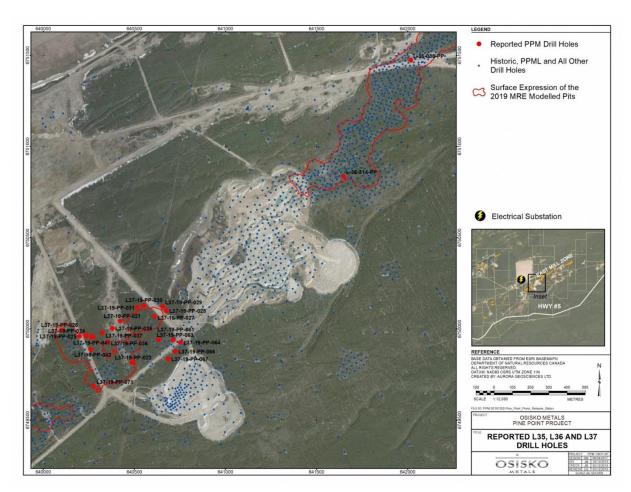
The long-term outlook for the diamond market remains positive despite short-term challenges. In volume terms, rough diamond supply growth is projected to be negative 2% or 0% annually. Demand for mined rough diamonds is expected to recover, either staying flat or growing up to 3% annually through 2030. Recovery requires continued growth of GDP, the middle class and purchasing power, particularly in China and India. To convert increased wealth into growth, the industry must also provide structured marketing support. Both industry-wide and company-specific marketing are necessary to revive and sustain demand. In the conservative scenario, our projection accounts for a possible shift in consumer preferences away from natural diamonds due to lack of marketing support. It also reflects fundamental long-term supply and demand factors rather than short-term fluctuations.

Osisko Metals extends Pine Point L37 deposit

Osisko Metals Incorporated announced new assay results from recently completed exploration drill holes in the East Mill Zone (L37 deposit) at its wholly owned Pine Point project in the Northwest Territories.

Highlights include drill hole L37-19-PP-028 that intersected 9.46% zinc and 0.79% lead over 11.85 metres and drill hole L37-19-PP-035 that intersected 14.83% zinc and 4.45% lead over 4.68 metres. Eight of the nine intersections reported (see table in the full release) were drilled outside the current mineral resource boundary at L37. All intersections are located between 16 to 45 metres vertical depth.

Jeff Hussey, President & CEO of Osisko Metals, commented: "A substantial portion of our newly published 52.4Mt inferred mineral resource estimate was dependent on Cominco Ltd.'s drilling. As Cominco Ltd. had different exploration objectives, many of the deposits outlined in our MRE remain open in all directions. These results demonstrate the upside potential of Pine Point, not just in identifying new exploration targets but also in expanding known mineralization across the Project area. With the forthcoming transition toward drilling untested gravity targets on the property over the coming days, we believe the best yet to come for Pine Point."



L37 deposit in the East Mill zone at Pine Point project. Osisko image

NWT & Nunavut Chamber of Mines – Northern Mining News

The reported results reflect exploration efforts to connect areas of Inferred Mineral Resources. Drilling is on-going and expected to continue during the first quarter of 2020. The focus of the current drill program will transition from resource boundary expansion to drilling newly identified prismatic targets that can be associated with tabular channels. The company believes that these channels, as well as vertical geological structures, are two controlling factors of prismatic deposit development that were not realized in the past.

In other Osisko news in December, the company announced closing of purchase of 3% NSR on Pine Point Project and closing its \$7 million non-brokered private placement.

The company also recently announced the filing of its National Instrument 43-101 technical report. The report, titled *Mineral Resource Estimate Update for the Pine Point Lead-Zinc Project,* is dated 10 November 2019.

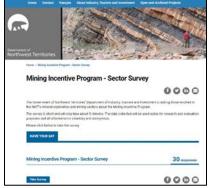
Northwest Territories mining incentive program - have your say!

The Northwest Territories Geological Survey (NTGS) is evaluating the Mining Incentive Program and is asking those involved in the NWT's mineral exploration and mining sectors to provide feedback about the program.

The sector survey is short and will only take about 5 minutes; data collected is anonymous and will only be used for research and evaluation purposes.

You may have been called or received an email with a link to complete the Mining Incentive Program applicant survey, this is not the same one. This sector survey is to gather information from a wider audience involved in the mineral exploration and mining sectors in the NWT.

NTGS would really appreciate your insights. Survey can be completed in English or French. Click



City survey seeks economic development strategy input

The City of Yellowknife is working on a new 5-year economic development strategy. The Chamber of Mines believes it is important that it provide strong support for the minerals industry and all the businesses – like yours – that benefit from it. But we need your input to ensure this happens. To add your voice, complete a quick 15 minute online survey available here: https://www.surveymonkey.com/r/LV9HTKW of by calling 1-844-584-9343 ext. 3, or emailing jacky.zhang@ggiplatform.ca.

Your responses will guide the city as it works to complete its strategy. All information provided will be confidential. This is an excellent opportunity for businesses, many of which rely upon the mineral industry, to participate and help shape the future of Yellowknife. We strongly encourage you to complete the survey. If you have questions about the research, contact Kerry L. Penney, Director, Policy, Communications & Economic Development, City of Yellowknife, kpenney@yellowknife.ca; Telephone 867-920-5633.

Calendar of events

- AME Roundup 2020 Mark your calendars for AME mineral exploration Roundup 2020,
 January 20-23 at the Vancouver Convention Centre. For schedule at a glance, click here.
- Arctic360 Second Annual Conference, February 2-4 at the Hunt Club/Munk School of Global Affairs (TBC) in Toronto, will focus on the emerging economy of the North American arctic, investing in 21st century critical infrastructure and transportation corridor. Contact jshadian@billgrahamcentre.ca for more information.
- Northern Lights 2020, is a high-profile business and cultural showcase of Nunavut, Nunavik, and Labrador/Nunatsiavut hosted by the Baffin Regional Chamber of Commerce and the Labrador North Chamber of Commerce. It will be held at the Shaw Centre in Ottawa, February 5 - 8, 2020. The four-day event is expected to attract 200 exhibitors and 1,200 delegates. For the schedule, click here. #NL2020Ottawa
- PDAC 2020, the world's premier mineral exploration and mining convention will host 1,100 exhibitors, 2,500 investors and 25,000 attendees from over 100 countries, in Toronto March 1-4. PDAC includes technical sessions, short courses and networking events. Click here to register. @the PDAC
- Invest Canada North PDAC watch for this new PDAC 2020 event (March 1-4 in Toronto), which connects global investors with the competitive advantages and opportunities in Canada's North. @InvestCANorth
- Nunavut Mining Symposium will be held in Iqaluit from March 30 to April 2, 2020.
 Registration is now open! Stay tuned for schedule updates on the website and the release of a custom app this year! #NuMS20



INVEST CANADA NORTH connects global investors with the competitive advantages and opportunities in Canada's North – Yukon, Northwest Territories and Nunavut – at PDAC.

Member news releases

- December 30, 2019 TMAC announces Terry MacGibbon's retirement and board changes
- 24 December 2019 Osisko files Pine Point technical report for 2019 mineral resource estimate update
- 23 December 2019 Mountain Province provides additional microdiamond and drilling results for Wilson kimberlite at Gahcho Kué
- 18 December 2019 Osisko Metals announces closing of purchase of 3% NSR on Pine Point Project
- 12 December 2019 Osisko Metals announces closing of \$7M non-brokered private placement
- 9 December 2019 Osisko Metals extends L37 deposit at Pine Point with 10.24% Zn+Pb over 11.85 metres
- 6 December 2019 Blue Star engages Mackie Research Capital Corp as trading advisor

Member presentations

Osisko Metals: November 2019

Unlocking our potential – latest ITI publication

Check out the latest edition of Unlocking Our Potential, the territorial government's industry/economic development magazine from Industry, Tourism & Investment.

The Fall 2019 edition includes information on the NWT's new Mineral Resources Act, a Q&A with Mining Recorder

Val Gordon discussing the digital shift in mineral administration, details on the territory's top ten resource projects with potential, and news briefs. Additionally, there are articles on how projects could help solve mining's access challenges and celebrating 15 years of the Mine Training Society.



Wrapping up the publication is a column by John Ketchum, Director of the Northwest Territories Geological Survey. All great reading! And focused on mineral resources, the largest private sector piece of the NWT's economy.

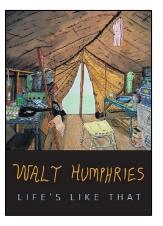
'Life's Like That' - display features paintings by Walt Humphries

Several paintings by Walt Humphries are on display at the Prince of Wales Northern Heritage Centre in Yellowknife.

Walt is a well-known northerner and his paintings depict life in the North – from prospecting to downtown Yellowknife, with a unique style. According to Walt, the paintings are a "visual path through the forests of life in the north."

The art, titled Life's Like That, is on display through June.

An opening reception is scheduled Thursday, January 16 from 7 pm to 9 pm, at the Prince of Wales Northern Heritage Centre.



Exploration & development news briefs

Blue Star Corp. announced it retained Mackie Research Corp. to provide market making services in accordance with TSXV policies. Mackie will trade the securities of the company on the Venture Exchange for the purposes of maintaining an orderly market. In consideration of the services provided by Mackie, the company will pay Mackie a monthly cash fee of \$6,000 for a minimum term of three months and renewable thereafter on a monthly basis. Blue Star and Mackie are unrelated and unaffiliated entities. Mackie will not receive shares or options as compensation. The capital used for market making will be provided by Mackie.

Blue Star is a Vancouver-based gold and silver exploration company focused on exploration and development within Nunavut, Canada. The company through its subsidiary, Inukshuk Exploration Inc., owns the highly prospective 8,015 ha Hood River gold property located contiguous to the Ulu mining lease. Blue Star has recently exercised its

option to acquire the Ulu, an advanced gold and silver project and awaits regulatory approvals for the transmittal of the lease and assignment of the permits and licenses.

TMAC Resources Inc. announced changes to the board of directors. Terry MacGibbon will retire as executive chairman and step down from the board effective immediately. Concurrently, Andrew Adams will assume the role of Independent chairman of the board.

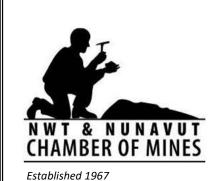
Dr. Ross Bhappu, a Senior Partner of Resource Capital Funds, will join the Board effective immediately as an RCF Board nominee and João Carrêlo will concurrently step down as an RCF independent Board nominee. Jason Neal commented, "On behalf of the employees and Board of Directors of TMAC, I would like to thank Terry, as our founder and leader, for the vision and energy that supported the acquisition, exploration and development of Hope Bay."

Chamber of Mines' Social Media

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Website: www.miningnorth.com

Mines & promising Northwest Territories mine projects

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

Project Name	Owner(s)	Commodity	Description	Status
Ekati Mine	Dominion	Diamonds	Canada's first and largest diamond	Media release, 22 March 2019 Canadian
	Diamond Mines		mine, 310 km. NE of Yellowknife.	Championship Dog Derby and Dominion
	ULC, and Dr.		Open pit and underground. Mine life	Diamond announce race schedule
	Stewart Blusson		potentially to 2041. Workforce in	
			2018, 1,625.	
			The Ekati mine consists of two joint	
			ventures, the core zone joint venture	
			and the buffer zone joint venture, in	
			which the company has interests of	
			88.9% and 72.0%, respectively.	
			Reserves at 31 January 2017 were	
			68.9 million tonnes at 1.5 carats per	
			tonne for 105.4 million carats.	
			Inferred mineral resources were 20.6	
			million tonnes at 1.0 carats per tonne	
			for 19.8 million carats.	
			Additionally, Fox Deep indicated and	
			inferred resources of 51.0 million	
			tonnes at 0.4 carats per tonne for	
			18.7 million carats.	
Diavik Mine	Rio Tinto	Diamonds	Canada's largest producer of	Media release, 1 October 2018 Diavik Stars of
	(operator) &		diamonds, 300 km NE of Yellowknife.	the Arctic dazzle in rough diamond tender
	Dominion		Mine life to 2025. Became all	
	Diamond Mine		underground mine in 2012.	
	ULC		Workforce in 2018, 1,113. New A21	
			open pit development budgeted at	
			US\$350m over 4 years. A21 grand	
			opening celebrated August 2018.	
			Reserves at Dec 31, 2018 were 11.5 million tonnes at 2.4 carats/tonne for	
			total of 27.4 million carats.	
Gahcho Kué Mine	De Beers Canada	Diamonds	Located 280 km NE of Yellowknife,	Media release 23 December 2019 Mountain
Galicilo Rue Wille	Inc (51% and	Diamonus	NWT. Open pit mine with life of 12	Province provides additional microdiamond
	operator) and		years. Mine reached commercial	and drilling results for Wilson kimberlite at
	Mountain		operation in Q1 2017. Workforce in	Gahcho Kué
	Province		2018, 527. Plan is for three open pits	Gallone Nac
	Diamonds Inc.		to mine 5034, Hearne and Tuzo ore	
	(49%)		bodies producing average of 4.5	
	, ,		million carats/year. Mining started	
			with 5034 orebody and production	
			from Hearne began in April 2018.	
			Reserves at December 31, 2018	
			(production commenced Q3 2016)	
			were 31.1 million tonnes at 1.54	
			carats per tonne for 47.9 million	
			carats. Initial mine plan extends to	
			fiscal year 2028.	
Prairie Creek	NorZinc Ltd.	Zinc-lead-	Proposed underground mine 120 km	Media release 2 December 2019 Peter Portka
		silver	W of Ft. Simpson. Estimated mine	appointed chief financial officer of NorZinc
			jobs: 220	Media release 25 November 2019 NorZinc
			All permits now in place to construct	receives final major permits for Prairie Creek
			and operate the mine. Feasibility	Mine
			Study completed in 2017 supports 15-	
			year mine life. Subject to completion of financing, and 2.5-year	Media release 19 November 2019 NorZinc
			construction phase, production	announces shareholder approval of
			proposed for mid-2020.	previously announced RCP Royalty
			In 2017, the Mackenzie Valley	Media release 14 November 2019 All season
			Environmental Impact Review	road permits for NorZinc's Prairie Creek Mine

1	1	,		
			Board recommended approval of the proposed all season road. Over the past eight years Canadian Zinc has successfully completed numerous environmental assessments related to exploration and development of the Prairie Creek Mine. Canadian Zinc has obtained all the significant regulatory permits and social licences required to complete construction and development and undertake mining and milling at Prairie Creek, including construction and use of a winter access road to the mine site.	granted by Mackenzie Valley Land and Water Board Media release 18 November 2019 NorZinc welcomes Gary Sugar and Stephen Flewelling to its board of directors Media release 7 November 2019 NorZinc provides results for third quarter 2019
NICO	Fortune Minerals Limited.	Cobalt- gold- bismuth- copper	Proposed open pit and underground mine located 50 km NE of Whatì. Estimated mine jobs: 150. Mine life, 20 years. In March 2018, The Mackenzie Valley Environmental Impact Review Board has recommended that the Tlicho allseason road be approved. The approval is subject to measures designed to mitigate potential environmental, social, and cultural impacts. The Government of the Northwest Territories, Department of Transportation and Tlicho Government received this conditional approval on March 29, 2018, enabling construction of the 97-kilometre Tlicho Road to connect the community of Whatì to the territorial highway system.	Media release 21 November 2019 Fortune Minerals signs access agreement with Tlicho Government for NICO project access road Media release 19 November 2019 Fortune Minerals closes flow-through private placement
Kennady North	Mountain Province Diamonds Inc.	Diamonds	Kennady North project comprises 13 leases and claims immediately to north and west of 4 leases controlled by the Gahcho Kué Joint Venture (see above). Project aims to identify a resource along the Kelvin – Faraday kimberlite corridor of between 12 and 15 million tonnes at a grade of between 2 and 2.5 carats per tonne and to identify new kimberlites outside of the corridor. The Kelvin – Faraday corridor is a target for further exploration. Potential quantity is conceptual as there has been insufficient drilling to define a mineral resource and it is uncertain if further exploration will result in target being delineated as a mineral resource.	Media release 17 October 2019 Mountain Province Diamonds announces third quarter 2019 production and sale results, provides Q3 conference call details
Indin Lake	Nighthawk Gold Corp	Gold	Nighthawk controls over 90% of the prospective Indin Lake Greenstone Belt in this historic gold camp with a total ground position now comprising 930 sq km, approximately 220 km north of Yellowknife, NT. The Indin Lake Greenstone Belt is one of Canada's most underexplored gold camps. The property contains 14 known gold deposits and showings, 3 are historic mines (eg Colomac)	Media release 31 October 2019 Nighthawk extends broad mineralized zones to new depths at Colomac Media release 8 October 2019 Nighthawk intersects 6.50 metres of 10.08 Gpt Au (uncut) including 4.00 metres of 15.94 Gpt Au at Treasure Island

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Pine Point	Osisko Metals Incorporated	Lead-zinc	Proposed open pit mine east of Hay River, NT. 10 open pits mined sequentially with 321 jobs. PEA quotes 13-year mine life. Osisko Metals has begun active exploration to advance the project. The objective of the 2018 drill program is to upgrade approximately 50 million tonnes of unclassified near-	Media release 24 December 2019 Osisko files Pine Point technical report for 2019 mineral resource estimate update Media release 18 December 2019 Osisko Metals announces closing of purchase of 3% NSR on Pine Point Project Media release 12 December 2019 Osisko Metals announces closing of \$7M non-
			surface historical resources (Cominco Ltd.) to NI43-101 Inferred Mineral Resources as quickly as possible in areas amenable to open pit mining. The 2018 program consists of approximately 700 drill holes (323 now completed) within the Main Trend, a 20- kilometre long, portion of the PPMC that is located on the south shore of Great Slave Lake in the NWT, near infrastructure and paved highway access and with 100km of haulage roads already in place.	brokered private placement Media release 9 December 2019 Osisko Metals extends L37 deposit at Pine Point with 10.24% Zn+Pb over 11.85 metres
Courageous Lake	Seabridge Gold Inc.	Gold	Proposed open pit mine 240 km NE of Yellowknife. 6.5 M oz proven and probable reserves in 91.0 million tonnes at 2 g/t (2016 Annual Report). Positive PFS July 2012. The FAT deposit is one of Canada's largest undeveloped gold projects. Seabridge is currently focusing on their KSM mine and other BC projects.	Media release 13 November 2019 Seabridge Gold files third quarter report to shareholders, financial statements and MD&A
Selwyn Project (Howard's Pass Project)	Selwyn Chihong Mining Ltd.	Zinc, lead	Proposed base metal mine in Yukon on NWT border and access is through NWT. Agreements signed with NWT (Sahtu) Indigenous land corporations. The project will process multiple open pit mines over an approximate 10+ year mine life and includes a mineral processing plant, tailing management facility and the required on-site infrastructure. The mine is being designed to process 38,500 tonnes per day (tpd) of ore which, after processing, is expected to result in 2,500 tpd of zinc and 600 tpd of lead concentrate, which would be trucked to the Port of Stewart for export. Selwyn Chihong estimates the proposed mine will create approximately 1500 jobs during construction and approximately 750 during operation.	Selwyn Chihong Mining's proposed upgrade of a road to its lead-zinc mining project in Yukon's Selwyn Mountains will undergo an environmental assessment. Parks Canada has referred the 79km Howard's Pass Access Road (HPAR) to Environmental Assessment under the MVEIRB, which accepted the referral in July 2015. The HPAR was developed in the 1970s and runs from the Nahanni Range Road to the NWT-Yukon border. Passing through 2 national parks. Yukon media reported in Feb 2016 that Selwyn Chihong has decided to slow their project down due to the current low zinc prices and will not to take the project to the permitting stage this year. According to External Affairs VP Maurice Albert, SC has opted for a traditional drilling program and hopefully add another 10 years to the mine life.
Nechalacho	Avalon Advanced Materials Inc.	Rare earth metals	Proposed underground mine 100km SE of Yellowknife. Estimated mine jobs: 200. The company remains optimistic that rare earth demand will recover sufficiently to advance the project.	Media release 30 October 2019 Avalon receives final payment from Cheetah Resources for acquisition of [some of the] Nechalacho resources

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Mines & promising Nunavut mine projects

The following table describes leading mineral development projects in Nunavut.

Project	Owner(s)	Commodity	Description	Status
Meadowbank Gold Mine	Agnico Eagle Mine Ltd.	Gold	In operation since 2010. Produced its three millionth ounce gold in 2018. Open pit mine located in the Kivalliq Region, 300 km west of Hudson Bay and 70 km N of Baker Lake. Mine jobs: 1,311 PYs 50km from Meadowbank mine site Amaruq project adds 7 years to mine life; commercial production achieved September 2019.	18 November 2019 Baker Lake Council thanks Agnico Eagle Mines Media release 7 October 2019 Agnico Eagle achieves commercial production at the Amaruq satellite deposit
Mary River Iron Mine	Baffinland Iron Mines Corporation	Iron	In operation since September 2014; Open pit mine 936 km N of Iqaluit. Mine jobs: 1,411 PYs Production from Early Revenue Phase (ERP) began September 8, 2014. The company has proposed a Phase 2 project with increased production and shipping. AANDC Minister has approved application for exemption from NPC negative conformity determination, July 2015.	Media release 17 April 2019 Baffinland employees ratify a partnership agreement with the International Union of Operating Engineers – Local 793 Media release 16 April 2019 Baffinland supports successful technical meetings for phase 2 permitting process
Hope Bay (Mine began commercial production May 15, 2017)	TMAC Resources Inc.	Gold	Gold mine 130 km S of Cambridge Bay. TMAC's property covers the majority of the Hope Bay Greenstone Belt. Workforce in 2018: 516 PYs First gold poured in first quarter 2017 and achieved commercial production in second quarter 2017.	Media release December 30, 2019 TMAC announces Terry MacGibbon's retirement and board changes
Meliadine Gold Mine (commercial production May 14, 2019)	Agnico Eagle Mines Ltd.	Gold	Meliadine mine declared commercial production on May 14, 2019. 25 km NE of Rankin Inlet. Estimated construction jobs: 1,000 Mine jobs: 1,099 PYs IIBA signed June 2015.Total capital cost ~\$830m, below \$900m forecast; mine life ~15 years. On February 15, 2017: Agnico Eagle approved Meliadine and Amaruq projects for development with production beginning in 2019. The high-grade Meliadine gold project has (by Dec 2018 figures) 3.75 million ounces of gold in proven and probable reserves (16.7 million tonnes at 6.97 g/t) and a large mineral resource.	Media release 23 October 2019 Agnico Eagle reports third quarter results
Back River	Sabina Gold & Silver Corp.	Gold	Approximately 60km from Hackett River; adjacent to the Wishbone Greenstone belt. Consists of George and Goose Lake deposits and holds significant gold resources. Estimated construction jobs: 1,600 Estimated mine jobs: 900 Sabina's Feasibility Study on its 100% owned Back River Gold Project presents a project designed on a fit- for purpose basis, with the potential	Media release 26 November 2019 Interview with Bruce McLeod, President and CEO, Sabina Gold and Silver Media release 13 November 2019 Sabina releases inaugural environmental, social, and governance report Media release 12 November 2019 Sabina announces interim financial results for quarter

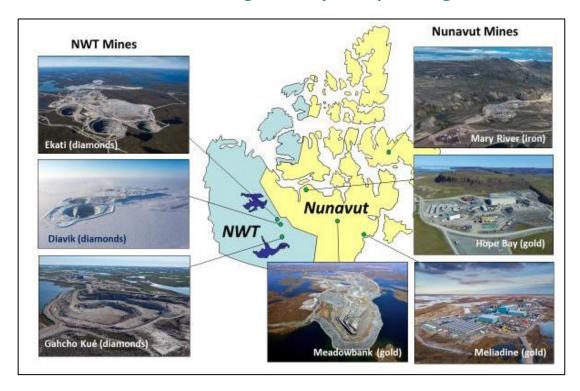
NWT & Nunavut Chamber of Mines – Northern Mining News

Kiggavik	Orano Canada Inc.	Uranium	to produce ~200,000 ounces a year for ~11 years with a rapid payback of 2.9 years (at a U\$\$1,150 gold price and a 0.80 exchange rate). Initial CAPEX of \$415 million. EA complete Proposed uranium mine 80 km W of Baker Lake. Estimated Construction jobs: 750 Estimated mine jobs: 600	25 July 2016, INAC, on behalf of responsible ministers for authorizing if Kiggavik Project should or should not proceed, accept NIRB's determination it not proceed at this time.
Chidliak	De Beers Group	Diamonds	Located 120kms NE of Iqaluit, Nunavut, and 180 km S of Pangnirtung. 74 kimberlites discovered with 8 potentially economic on 317,213-hectare site. Positive Phase One PEA, updated May 2018 highlights: •After-tax payback of 2.2 years •Life of mine 13 years •Resource at CH-6 and CH-7 exceeds 22 million carats •Pre-production capital requirement ~\$455m, incl \$95m for access road from Iqaluit, \$55m in contingency •Pre-tax NPV(7.5) of \$1069 million and a pre-tax IRR of 38.6% •After-tax NPV(7.5) of \$679 million and an after-tax IRR of 31.1% •Average LOM strip ratio of 6.6:1 (average across the combined CH-6 and CH-7 open pits); Mining to a depth of 300 mbs at CH-6	Media release 4 July 2019 New kimberlite discoveries may add to future of Gahcho Kué Mine
Naujaat Diamond Project	North Arrow Minerals	Diamonds	7 km from tidewater; 9 km from Repulse Bay, Melville Peninsula; 7,143 hectares of contiguous mineral claims. Largest kimberlite in Nunavut.	Media release, 3 September 2019 North Arrow closes sale of Loki Diamond Project royalty for \$266,000 Media release 7 August 2019 North Arrow to raise \$266,000 selling Loki royalty; completes till sampling program
Committee Bay Gold Project	Auryn Resources Inc. (purchased North Country Gold Corp.)	Gold	High grade gold endowment Existing exploration infrastructure 217,600 hectares with district scale discovery opportunities	Media release 25 October 2019 Auryn drills gold-bearing hydrothermal system at Committee Bay

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Project maps

The northern mining industry's 7 operating mines



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