

Unlocking our Potential



THE NORTHWEST TERRITORIES IS OPEN FOR BUSINESS

JANUARY 2018

The NWT Difference

IT'S MORE THAN JUST MINING

FIVE LESSONS ABOUT
INDIGENOUS ENGAGEMENT

NWTGEOSCIENCE.CA

E: ntgs@gov.nt.ca

T: 867-767-9211 Ext.63469

NWTMINING.COM

E: mining@gov.nt.ca

T: 867-767-9209

NWTPETROLEUM.COM

E: petroleum@gov.nt.ca

T: 867-777-7480

Government of
Northwest Territories



LOOKING FOR GEOSCIENCE INFORMATION ABOUT THE NORTHWEST TERRITORIES?

The Northwest Territories Geological Survey is your one-stop-shop for geological information. We offer a multitude of programs and services covering bedrock mapping, mineral deposits, petroleum, and permafrost science.

- Geological expertise and advice
- Specialized databases and reports
- Mining Incentive Program
- Education and training

**NORTHWEST TERRITORIES
GEOLOGICAL SURVEY**

CONTENTS

- 4** The NWT Difference – It's More Than Just Mining
- 6** Geoscience Availability Surges in the NWT
- 7** Q+A: The New Face of Mining
- 8** Five Lessons about Indigenous Engagement
- 10** Select Mineral Deposits
- 12** Bringing Mining Home: Justin Grandjambe
- 14** News Briefs
- 16** Don't Just Talk About It; Go Do It!
- 18** MAX-ing NWT Appreciation for Mining
- 19** The Last Word

The Honourable Wally Schumann

MINISTER OF INDUSTRY,
TOURISM AND INVESTMENT,
GOVERNMENT OF THE
NORTHWEST TERRITORIES



MESSAGE FROM THE MINISTER

At the inaugural Mining and Exploration Awards in November, we recognized the 'Indigenous Service' of Mr. Darrell Beaulieu, a longtime leader in Indigenous business and, in particular, mineral exploration in the Northwest Territories (see page 7 for a Q+A with him).

Darrell's leadership is reflective of the way the NWT leads in the global resource industry. Decades worth of groundwork has been laid to build the trust within our communities that the responsible development of natural resources can - and does - take place when people, governments, and companies work together.

It has resulted in world-leading Indigenous participation in our natural resource sectors; timely, impact-filled social investments made in collaboration with resource companies; and a widely-accepted view that mining can be a force for good in the NWT.

Throughout this issue, you're going to read about "the NWT difference" that makes this a reality — a difference allowing companies to invest not only in our massive mineral potential, but in a legacy of community-building they can be proud of.

You're also going to read about how things are beginning to look up after a tough go over the past few years. Staking is up in a big way, expansions are moving forward, and promising exploration campaigns continue as the minerals and metals markets start to recover.

A low risk destination for investment, the recovery of the marketplace and the cache of minerals that leave us well positioned to power the green economy of the future make up "the NWT Difference". We're sharing these stories to help you understand why.

Please enjoy the magazine, and feel free to get in touch. We're always interested in responding to questions, concerns, and ideas from those interested in helping us unlock our potential.

Cover photo courtesy of:
Diavik Diamond Mines Inc.



Photo: Bill Braden Photo/Mine Training Society

On the surface, the Northwest Territories (NWT) is like many prolific mining jurisdictions around the world: vast, remote, geologically blessed.

But while the rocks may come out of the ground in much the same way, there are big differences behind the scenes which set the Northwest Territories apart – especially for today’s socially-discerning investor.

An investment in the NWT is, after all, an investment in more than just the minerals extracted. It’s an investment in the future of communities, their people and their economies long after the life of a mine.

It’s the kind of investment which can pay off in both profit and profile; and it’s

Through the Mine Training Society Indigenous and public governments partner with industry to support Northerners secure long-term employment in mining.

by design says the Deputy Minister of Industry, Tourism and Investment, Tom Jensen.

“A great deal has been invested in building good relationships with our mines and in finding ways to get the best deal for both communities and companies. It’s almost certainly one of the reasons support for responsible mining remains high amongst NWT residents,” Jensen notes.

Through measures like Socio-Economic Agreements, the NWT has created ways to foster local industry, build a skilled workforce and empower communities.

Success has come from the way in which mining companies, public governments and Indigenous governments have

embraced the approach and work together to ensure the physical, social, and digital infrastructure invested in — and enabled by — mining projects is working to build healthy, vibrant, accessible communities.

With the growth of four world-class diamond mines in the NWT has come a proliferation of local businesses providing the expertise and skills to service them.

Settled land claims gave Indigenous governments the financial resources to invest in this economic development. Working through the defined infrastructure of government development corporations – and buoyed by NWT mines – they developed a successful business model in which

community members are now employed and mines are serviced locally.

Indigenous governments have invested in and grown a multitude of NWT-based companies; some of which have now outgrown their territorial beginnings and are expanding to service projects around the circumpolar Arctic and into Alberta.

From community centres to ice roads, mining companies have successfully found mutually beneficial ways to leave lasting legacies that will endure long after the last load of ore is processed.

In addition to general contracting, service and logistical companies these grown-in-the-NWT corporations own airlines, engineering, trucking and helicopter companies. They supply vehicles, heavy equipment and specialized expertise in areas like winter building and ice road construction.

The NWT’s diamond mines have spent more than \$13 billion with northern businesses since 1996; with \$5.6 billion of that spending going specifically to northern Indigenous businesses.

It has meant more than just business growth. It has empowered a host of NWT residents with the opportunity to gain valuable and transferrable education and experience across a multitude of sectors, sciences and trades.

Jensen believes this is one of the biggest ways investing in the NWT differs from elsewhere.

“The avenues for growth across the economy created by the way both our government and Indigenous governments have worked with mining companies to get people trained is second to none,” he says. “People see the value in this every day. Companies can be proud of the legacies they’re contributing to when they invest here.”

Activities supported by companies currently operating in the NWT include prospector training, heavy equipment and environmental science courses - and leadership programs which prime locals with the knowledge and skills to find success at the mine site and beyond.

And far beyond those benefits traditionally associated with economic activity, there are also direct investments made in communities by mines.

From community centres to ice roads, mining companies have successfully found mutually beneficial ways to leave lasting legacies that will endure long after the last load of ore is processed.

In 2016, more than \$11 million was donated to community initiatives through initiatives like scholarships,

recreation programming and community infrastructure.

It’s this well-defined relationship between communities and companies which help NWT projects get the support they need to get off-the-ground — and continue smoothly throughout the life of the mine.

All of these features contribute to the rare social and ethical profile of the NWT, particularly when compared with competing mining jurisdictions worldwide.

“We are the birthplace of ethical diamonds,” Jensen observes. “At a time when resource projects and companies must stand up to increased skepticism and stronger scrutiny, the NWT offers a low-risk jurisdiction that is setting the bar for Indigenous partnership that contributes to improved outcomes for northern communities and meaningful opportunities for northerners to benefit and participate in mineral exploration and development.”

“That’s the NWT difference...”

A scoop-tram from the Snap Lake Mine is unloaded at Arctic College for use in its Mining Program; part of a \$215,000 donation in surplus equipment by DeBeers.



Photo: Aurora College

Geoscience Availability Surges in the NWT

“On the surface, this seems like a lot of fuss for a warehouse,” quipped Northwest Territories Minister of Industry, Tourism and Investment Wally Schumann, as he welcomed representatives of the media and the mining industry in September to the opening of the Government of the Northwest Territories’ (GNWT) Geological Materials Storage Facility in Yellowknife.

“It may sound a little “over-the-top” to say that this warehouse and viewing facility is an important step in moving our mining sector forward – but it really is,” the Minister said, speaking from the symbolically-open bay doors of the GNWT’s new facility.

Certainly, for those companies considering – or already exploring in – the NWT, access to valuable geoscience data has become a whole lot easier.

Managed by the NWT Geological Survey, the 900-square-metre unheated warehouse and adjacent heated viewing area allows for the year-round analysis of thousands of historical core samples (dating back to the 1950s) to test for new mineral exploration opportunities – all at a fraction of the cost of drilling new ones.

The approximately 50 kilometers of available and industry-donated exploration drill core comes from across the NWT and includes a growing collection of rock, glacial till and stream sediment samples. Also available are drill logs, photographs of core, assay results, and geochemical results.

Most notably, the GNWT’s new facility – serving a wide variety of clients, including industry, researchers, prospectors, and academics, lays claim to the world’s largest publicly-available collection of kimberlite.

The government’s investment reflects an on-going commitment to increase the amount of publically-available geoscience information about the resource-rich Northwest Territories; one of the foremost components in its Mineral Development Strategy that aims to strengthen the NWT’s competitive advantage to attracting mining investment.

“We have always had this information within our Territory to share,” the Minister noted. “What we haven’t had until recently were the resources or opportunity to share it in an ideal fashion. This facility will up our game – when it comes to attracting and supporting researchers and potential investors for our region.”

Even before the facility officially opened its doors, it had proven its value. TerraX Minerals — operator of one of the most advanced exploration projects in the territory — used new information from historical samples to inform its most recent drilling program.



Photo: ITI



Q & A

THE NEW FACE OF MINING Q&A with MAX Award-winner Darrell Beaulieu

From the beginning, Darrell Beaulieu’s vision has included Dene people exploring for – and benefitting from – the NWT’s resources. As a respected champion for Indigenous involvement in the natural resource industry, his work has garnered much acclaim over several decades.

Most recently he took home one of the first-ever MAX Awards for Indigenous Achievement in the NWT mineral resource industry. He accepted the award, to a standing ovation, at the NWT Geoscience Forum Gala in November.

We spoke with Darrell to get his perspective on the NWT’s burgeoning mining sector.

How do you explain the high level of Indigenous support for mining in the NWT?

Mining has driven the NWT economy for a long time. Many of today’s leaders worked in mines and the exploration sector. When the diamond mines arrived, it was a natural evolution to get involved. We support NWT mining because we are an important part of it.

In the case of DEMCo, Dene people have gone from working for mining projects to owning one. How did that happen?

It was the logical next step. Mines generate revenues. We made the decision, in 2013, to pursue ownership. A homegrown indigenous service industry was already in place; we could import what we needed to fill the gaps. Obviously, ownership is never 100% and we’re going to need partners – but, we are now the decision makers.

What do you say to those that portray NWT Indigenous groups as the barrier to development in the NWT?

It’s one of the most-asked questions (even in China): Are the Indigenous people on side?

Dene people are not against development. We want to participate and ensure a balanced approach to our environment and our economy. That has always been the message. Georges Erasmus first said it about oil and gas. Unfortunately, all anybody remembers was the “no” to the pipeline. The message of balanced development got lost.

Nobody is talking about a full-fledged pass. I don’t think anybody supports development at all costs – Indigenous or otherwise.

Yes, we have an affinity with our lands. But, we can work and manage these lands – and get paid for it. Getting our youth ‘On the Land’ where their ancestors travelled and lived can mean promoting careers in geology and geosciences with broad applications – for exploration, mining and the environment.

So, what are the challenges?

Land claims do have to be settled. Infrastructure needs to be put in place. We need to keep growing our capacity to meet our opportunities. We did it with diamond mines; we’ll keep doing it.

You sound optimistic, why?

Today’s political leaders are pulling in the right – and the same – direction. We have seen what it takes and what the benefits are. We want the employment, business opportunities and shared revenues that mining will bring.

Increasingly, Dene people are graduating as engineers, lawyers, doctors. They want to come home and work in the North. A robust economy will provide these opportunities.



Photo: Bill Braden

The NWT Difference

FIVE LESSONS ABOUT INDIGENOUS ENGAGEMENT THAT WE CAN SHARE

The NWT is well-known for its mineral potential; less so, for nurturing world-leading Indigenous participation and engagement in its mining and natural resource industries.

It's not a point to take lightly. In today's investment environment, natural resource development requires the social license to operate - the need to gain and maintain the support of the people and stakeholders that live in the area of impact and influence of any project.

It requires processes and approaches that build, earn and maintain trust. In Canada's Northwest Territories, where the social, economic, and political fabric is deeply influenced by Indigenous cultures and traditions, this work is well underway. In fact, in today's political context, the NWT is one of the few jurisdictions in which the much-discussed reconciliation is already working.

Here are five ways the NWT is fostering the support of its Indigenous people in the natural resource industry.

Photo: Diavik Diamond Mines Inc.

1

Commitment to settle land claims — The Government of the Northwest Territories has placed a priority on settling land claims in a way few other jurisdictions across Canada have. In fact, a majority of the territory's land claims have already been settled – and are already providing Indigenous entities the opportunity to be full and supportive partners of resource development projects. The territory's governments understand and respect the fact that remaining land claims must be settled to truly move forward. They recognize the benefits which will come from this; greater certainty for investors, and- for Indigenous governments- the land and financial resources necessary to participate in responsible resource development.

2

Resource revenue sharing — In a landmark agreement, the territorial government shares 25% of royalties from mineral development in the NWT with Indigenous governments who have settled their land claims. This is one of the richest revenue-sharing agreements in Canada with over \$6 million shared to date with signatories. Partner governments also form the territory's Intergovernmental Council giving them a forum for discussing and sharing information about land and resource management on public and settlement lands. With the opportunity to inform decision making and the financial incentive to benefit from successful projects, Indigenous governments are anxious to welcome new projects.

3

Maximizing benefits for Indigenous Northerners – Ensuring that all NWT residents have the opportunity to participate in and benefit from resource development in the North is a priority. The NWT government's commitment to negotiating socio-economic agreements with developers and support for the creation of impact benefit agreements has meant that northern and Indigenous businesses have received more than \$13.5 billion in direct contracting with the NWT's three diamond mines since 1996. NWT residents have benefited from more than 25,000 person years of employment in the same period.

4

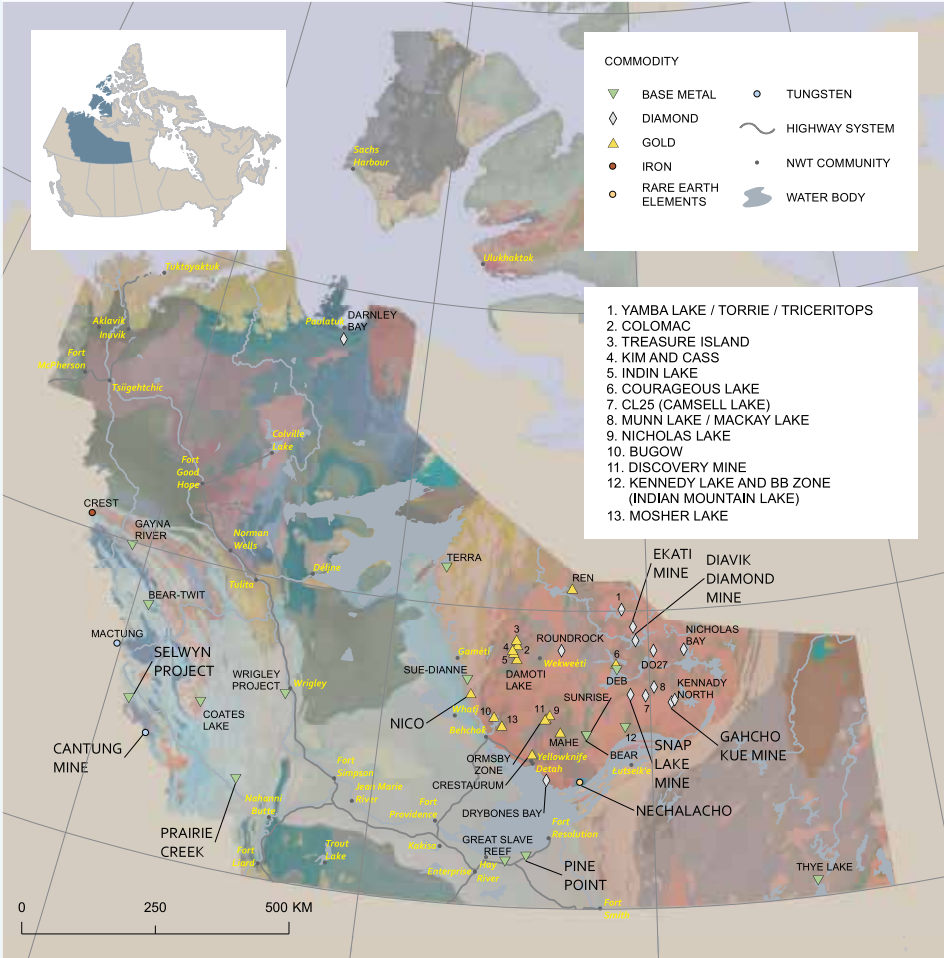
A robust, resident Indigenous business community — With the foresight and shrewd investments of Indigenous governments, dozens of northern and Aboriginally-owned companies, development corporations and joint ventures have taken root and grown thanks to land-claim settlements and the opportunities presented to them to by the NWT's mining, oil and gas and construction sectors. Beyond being an affordable, knowledgeable and robust resource of homegrown expertise, these businesses are major employers and contributors to the NWT's smaller Indigenous communities – and represent to NWT residents the benefits responsible mineral development can bring.

5

Representative Public Government — The NWT is a fully-realized, highly integrated society where Indigenous and non-Indigenous representatives make decisions for the territory together. More than half of Members of the governing Legislative Assembly and the government's Executive Council (Cabinet) — including the Premier — are Indigenous. It is reflective of the degree to which Indigenous peoples participate in public government and decision-making for the whole territory. As a representative of all NWT residents, the government is committed to ensuring that residents enjoy the advantages of living in a strong and prosperous territory benefiting from the development of its world-class resources.

Select Mineral Deposits of the Northwest Territories, Canada

PROJECT NAME	COMMODITY	STATUS	PROJECT OWNER / MANAGER	WEBSITE AND/OR E-MAIL ADDRESS	*RESOURCE CATEGORY	**TOTAL RESOURCE	*** GRADE
DIAMOND MINE	DIAMOND	producer	60% Rio Tinto / 40% Dominion Diamond Corp.	www.diaivik.ca	Prv + Prb (Dec. 31, 2016)	16.3 Mt	2.8 ct/t
EKATI MINE	DIAMOND	producer	89.9% Dominion Diamond Corp.; 10.1% Stewart Blusson	www.ddmines.com	Prv + Prb (Jan. 31, 2017)	68.9 Mt	1.5 ct/t
GAHCHO KUE MINE	DIAMOND	producer	51% De Beers Canada Inc.; 49% Mountain Province Diamonds Inc.	www.angloamerican.com	Prb (Dec. 31, 2016)	33.8 Mt	1.54 ct/t
SNAP LAKE MINE	DIAMOND	production suspended; care and maintenance	De Beers Canada Inc.	www.angloamerican.com	Prb (Dec. 31, 2015)	5.7 Mt	1.26 ct/t
CANTUNG MINE	TUNGSTEN	production suspended; care and maintenance	North American Tungsten Corp. / Government of Canada	www.natungsten.com	Ind (Sept. 2014)	3.5 Mt	0.97% WO ₃
NECHALACHO	RARE EARTH ELEMENTS, BERYLLIUM	drilled; advanced project	Avalon Advanced Materials Inc.	www.avalonadvancedmaterials.com	Prv; Prb (April 2013)	3.7 Mt; 10.9 Mt	1.73% TREO (0.47% HREO); 1.69% TREO
PRAIRIE CREEK	ZINC, LEAD, SILVER	drilled; advanced project	Canadian Zinc Corp.	www.canadianzinc.com	Prv + Prb (Aug. 2017)	8.1 Mt	9.5% Zn, 8.9% Pb, 136 g/t Ag
NICO	COBALT, BISMUTH, GOLD, COPPER	drilled; advanced project	Fortune Minerals Limited	www.fortuneminerals.com	Prv + Prb (April 2014)	33 Mt	1.03 g/t Au + 0.11% Co + 0.14% Bi + 0.04% Cu
SELWYN PROJECT	ZINC, LEAD, SILVER	drilled	Selwyn Chihong Mining Ltd.	www.selwynchihong.com	Ind (Aug. 2012)	185.6 Mt	5.20% Zn, 1.79% Pb
GAB	GOLD	drilled	Aurora Geosciences (Sparta claims Pending)	miners@gov.nt.ca	~	27,215 t	10.63 g/t
CAMP	GOLD	drilled	Crown Land	miners@gov.nt.ca	~	46,400 t (N Zone); 11,840 t (S Zone)	13.7 (N Zone); 12 g/t (S Zone)
SLEMON	GOLD	drilled	Crown Land	miners@gov.nt.ca	~	31,751 t	6.8 g/t
NICHOLAS LAKE	GOLD	drilled	GoldMining Inc.	www.goldmining.com	Meas + Ind (Sept. 2012)	1.1 Mt	6.87 g/t
ORMSBY ZONE	GOLD	drilled	GoldMining Inc.	www.goldmining.com	Meas (Sept. 2012)	7.3 Mt	1.59 g/t
DISCOVERY MINE	GOLD	past producer	GoldMining Inc.	www.goldmining.com	Ind (Sept. 2012)	Bruce zone: 749,000 t (open pit); 440,000 t (underground)	1.59 g/t; 3.17 g/t
REN	GOLD	drilled	Lane Dewar / M. Magrum	lanedewar@lincsatsat.com	~	1.8 Mt	10 g/t
MOSHER LAKE	GOLD	drilled	Lane Dewar, M. Magrum, T. Teed	lanedewar@lincsatsat.com	~	500,765 t	2.81 g/t



LEGEND

* **RESOURCE CATEGORY:** Indicated (Ind); Inferred (Inf); Measured (Meas); Proven Reserve (Prv); Probable Reserve (Prb); Historic (non-compliant) ~; Preliminary Sample Result (Prelim)

**** TOTAL RESOURCE:** tonnes (t); million tonnes (Mt); kilograms (kg)

***** GRADE:** grams per tonne (g/t); carats per tonne (ct/t)

PROJECT NAME	COMMODITY	STATUS	PROJECT OWNER / MANAGER	WEBSITE AND/OR E-MAIL ADDRESS	*RESOURCE CATEGORY	**TOTAL RESOURCE	*** GRADE
MON	GOLD	past producer	New Discovery Mines Ltd.	dave@drwgcl.com	PP	10,070 t	10 g/t (recovered)
COLOMAC	GOLD	past producer	Nighthawk Gold Corp	www.nighthawkgold.com	Inf (June 2013)	Colomac: 37.0 Mt	1.66 g/t
DAMOTI LAKE	GOLD	drilled	Nighthawk Gold Corp.	www.nighthawkgold.com	Meas + Ind (Nov. 2005)	40,600 t	26.17 g/t
INDIN LAKE	GOLD	drilled	Nighthawk Gold Corp.	www.nighthawkgold.com	~	214,000 t	16.46 g/t
TREASURE ISLAND	GOLD	drilled	Nighthawk Gold Corp.	www.nighthawkgold.com	~	105,400 t	14.09 g/t
JAX LAKE	GOLD	drilled	Crown Land	miners@gov.nt.ca	~	36,287 t	14.1 g/t
KIM AND CASS	GOLD	drilled	Pine Cliff Energy Ltd.	www.pinecliffenergy.com	~	448,950 t	7.37 g/t
COURAGEOUS LAKE	GOLD	past producer	Seabridge Gold Incorporated	www.seabridgegold.net	Prv; Prb (July 2012); Walsh Lake Inf (Mar. 2014)	Courageous 12.3 Mt; 78.8 Mt; Walsh 3.5 Mt	2.41 g/t; 2.17 g/t; 4.02 g/t
MAHE	GOLD	drilled	Silver Pursuit Resources Ltd.	www.silverpursuit.ca	~	156,840 t	17.28 g/t
BUGOW	GOLD	drilled	Silver Range Resources Ltd. (optioned to Rover Metals Corp.)	www.silverrangeresources.com	~	70,000 t	10.29 g/t
YELLOWKNIFE CITY GOLD	GOLD	past producer	TerraX Minerals Inc.	www.terraxminerals.com	~ Ind + Inf	Crestaurum: 145,150 t	7.54 g/t Au
DAF	GOLD	minor past producer	Walter Humphries	walth@internorth.com	~	3,500 t	30.4 g/t
WO / DO27	DIAMOND	drilled	72.1% Peregrine Diamonds Ltd.; 17.6% Archon Minerals Limited; 10.3% DHK Diamonds Inc.	www.pdiam.com	Ind (Aug. 2008)	19.5 Mt	0.94 ct/t
YAMBA LAKE / TORRIE / TRICERITOPS	DIAMOND	drilled	Arctic Star Exploration Corp.	www.arcticstar.ca	Prelim	83.6 kg	68 diamonds; 6 macros
CL 25 (CAMSELL LAKE)	DIAMOND	drilled	Canterra Minerals	www.canterraminerals.com	Prelim	350.4 kg	221 diamonds; 9 macros
AFRIDI LAKE	DIAMOND	drilled	Crown Land	miners@gov.nt.ca	Prelim	511.3 kg	46 diamonds; 4 macros
BLUE ICE / VICTORIA ISLAND	DIAMOND	drilled	Crown Land	miners@gov.nt.ca	Prelim	934 kg	172 diamonds
NICHOLAS BAY	DIAMOND	drilled	Crown Land	miners@gov.nt.ca	Prelim	127.7 kg	1,174 diamonds
DRYBONES BAY / MUD LAKE	DIAMOND	drilled	David Smith	eastarm@gmail.com	Prelim	10 t (Drybones); 100 t (Mud Lake)	97 macros; 11 macros
KENNADY NORTH	DIAMOND	drilled	Kennady Diamonds Inc.	www.kennadydiamonds.com	Ind (Kelvin, Jan. 2017); Inf (Faraday, Sept. 2017)	8.5 Mt; 3.27 Mt	1.6 ct/t; 1.54 ct/t
RANCH LAKE	DIAMOND	drilled	Mike Magrum	mike.magrum@gmail.com	Prelim	855 kg	266 diamonds; 46 macros
HOAM	DIAMOND	drilled	Olivut Resources Ltd.	www.olivut.ca	Prelim	TBD	6 diamonds from 3 kimberlites
DARNLEY BAY GRAVITY ANOMALY	DIAMOND	drilled	Pine Point Mining Ltd.	www.pinepointmining.com	Prelim	533.1 kg	65 diamonds; 2 macros
CROSS PROPERTY	DIAMOND	drilled	Stornoway Diamond Corp.	www.stornowaydiamonds.com	Prelim	2.4 t	7 diamonds
ROUNDROCK	DIAMOND	drilled	Stornoway Diamond Corp.	www.stornowaydiamonds.com	Prelim	134.2 kg	19 diamonds; 6 macros
MUNN LAKE / MACKAY LAKE	DIAMOND	drilled	Zimtu Capital Corp. / DG Resource Management	www.dgrm.co	Prelim	42 kg	14 diamonds; 2 macros
COATES LAKE / REDSTONE	COPPER, SILVER	drilled	Copper North Mining Corp.	www.coppernorthmining.com	~ Inf (Aug. 2005)	33.4 Mt	3.92 % Cu, 11.3 g/t Ag
CREST	IRON	drilled	Crest Exploration Limited (Chevron Canada Ltd.)	www.chevron.ca	~ Inf	5.6 billion tonnes	47.2% Fe
TERRA	SILVER, COPPER, BISMUTH, GOLD	past producer	DEMCo Ltd.	www.denendehinvestments.ca	~	27,769 t; (+ 453,592 t tailings)	1028 g/t Ag; (+ 0.5% Ni, 0.5% Cu in tailings)
WRIGLEY PROJECT	LEAD, ZINC	drilled	Crown Land	miners@gov.nt.ca	Inf	4.0 Mt	7.34% Zn, 2.02% Pb, 12.71 g/t Ag
BEAR-TWIT	LEAD, ZINC (Ag, Cu, Sb, Cd)	drilled	Eagle Plains Resources Ltd.	www.eagleplains.com	~ Inf	7.3 Mt - 9 Mt	5.4% Zn, 2.6% Pb, 17.1 g/t Ag
GAYNA RIVER	ZINC, LEAD	drilled	Eagle Plains Resources Ltd.	www.eagleplains.com	~ Inf	1.1 Mt	4.51% Zn-Pb
BIG (MURPHY)	LITHIUM	drilled	Erex International Ltd.	thanhphambc@gmail.com	~ Inf	7.2 Mt	1.47% Li ₂ O
SUE-DIANNE	COPPER, SILVER, GOLD	drilled	Fortune Minerals Ltd.	www.fortuneminerals.com	Ind (Mar. 2008)	8.4 Mt	0.8%Cu, 3.2 g/t Ag, 0.07 g/t Au
MACTUNG	TUNGSTEN	drilled	Government of the NWT	mining@gov.nt.ca	Ind (April 2009)	33 Mt	0.88% WO ₃
INDIAN MOUNTAIN LAKE (KENNEDY LAKE AND BB ZONE)	ZINC, SILVER, COPPER, LEAD	drilled	Panarc Resources Ltd.	www.panarc-resources.com	~	BB Zone: 879,964 t	9.5% Zn, 0.7% Pb, 116.5 g/t Ag
GREAT SLAVE REEF	ZINC, LEAD	drilled	Pine Point Mining Ltd.	www.pinepointmining.com	Meas (Mar. 2014)	R -190: 647,000 t	12.47% Zn, 6.10% Pb
PINE POINT	ZINC, LEAD	past producer	Pine Point Mining Ltd.	www.pinepointmining.com	Meas + Ind (April 2017)	25.8 Mt	2.94% Zn + 1.12% Pb
DEB	COPPER, ZINC (Ag)	drilled	Seabridge Gold Inc.	www.seabridgegold.net	~ Inf	1.0 Mt	0.83% Cu, 2.96% Zn, 21.9 g/t Ag
BEAR	SILVER, ZINC, (Pb, Au)	drilled	Silver Bear Mines Inc.	www.silverbearmines.ca	~	1.1 Mt	5.1% Zn, 2.2% Pb, 336 g/t Ag, 0.6 g/t Au (M zone)
SUNRISE	SILVER, ZINC, LEAD, COPPER, GOLD	drilled	Silver Standard Resources Inc.	www.silverstandard.com	Ind (Aug. 2002)	1.5 Mt	262 g/t Ag, 2.39% Pb, 5.99% Zn, 0.08% Cu, 0.67 g/t Au
NICKEL KING (THYE LAKE)	NICKEL, COPPER, COBALT	drilled	Strongbow Exploration Inc.	www.strongbowexploration.com	Ind (June 2010)	Main Zone: 11.1 Mt	0.4% Ni, 0.1% Cu, 0.018% Co
TURNBACK LAKE	ZINC, LEAD, COPPER, SILVER	drilled	Teck Resources Ltd.	www.teck.com	~ Inf	910 tons per vertical foot	2% Cu, 6% Zn, 1.5% Pb, 102.84 g/t Ag

BRINGING MINING HOME: JUSTIN GRANDJAMBE

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

Justin Grandjambe is one of them.

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

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

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

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

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

"I have had the chance to access many training opportunities" Grandjambe says. "I've taken the Aboriginal Leadership Development program offered with the Southern Alberta Institute of Technology;

Environmental Monitoring certification through the GNWT Apprenticeship and Occupational Certifications program; and the ArcGIS Technology Specialty Certification program through the Northern Alberta Institute of Technology."

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

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

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

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

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

“After working a number of jobs in Yellowknife, the mining industry seemed like a place in which I could pursue a career.”



Photo: Diavik Diamond Mines Inc.

NEWSBRIEFS

MILESTONE REACHED IN MINING LEGISLATION DEVELOPMENT

New, mining legislation for the Northwest Territories moved one step closer in November with the conclusion of public engagement on a new Mineral Resources Act.

The Government of the Northwest Territories is creating modern, leading-edge legislation to provide clarity on roles in engagement and consultation and to respond to the realities of doing business in today's North.

The next milestone will be a draft Act – on track for completion this summer. From

there, the legislative process will continue with passage expected in late-2019.

When complete, the new Act will replace and improve upon the current Mining Regulations handed down by the Government of Canada as part of its transfer (Devolution) of land and resource management to the territorial government in 2014.

REPORT: NORTHWEST TERRITORIES TOP-FIVE GLOBALLY FOR SECURE RESOURCE INVESTMENT

The Northwest Territories has solidified its position as an attractive locale for global mining and exploration companies looking for stable resource investments.

The World Risk Report, published by the Mining Journal, ranks the NWT fifth overall (out of 85) using its Investment Risk Index — a measurement encompassing both qualitative and quantitative data from global stakeholders in mining and exploration.

The NWT ranked high in areas of social stability and governance. Opportunities to improve the NWT's rankings come in the areas of fiscal management, its legal framework and infrastructure.

For perspective, if the NWT were to improve its score by just five points, the territory would have topped the list.

This is welcome news as exploration surges in the NWT and several initiatives are already underway to improve the NWT's investment environment.

The development of a made-in-the-NWT Mineral Resources Act will help to address legal and fiscal challenges while the advancement of strategic transportation corridors will address the NWT's infrastructure deficit.

YELLOWKNIFE TO HOST INTERNATIONAL KIMBERLITE CONFERENCE

The 12th International Kimberlite Conference will travel North in 2021 to celebrate the 30-year diamond history of Canada's Northwest Territories.

The high profile international geological conference, which brings together academic and industry leaders, will be hosted in Yellowknife – North America's Diamond Capital.

"It is exciting to have our world-leading position in mining confirmed with our selection as host of this marquee event,"

said territorial Minister for Industry, Tourism and Investment Wally Schumann. "We look forward to welcoming the global diamond industry to this prestigious conference in our spectacular capital."

The conference will combine formal technical presentations and field excursions to the NWT's major diamond plays. It is held every three to five years. This will be only the second time it has been hosted in Canada since its introduction in 1973.

INFORMATION TRADESHOWS ADDRESS ENERGY AND RESOURCE DEVELOPMENT

The Government of the Northwest Territories has introduced a public information campaign aimed at increasing public understanding and awareness to the region's renewable and non-renewable energy resources – and the means by which they can be developed.

Dubbed REDI (Resources and Energy Development Information), the new initiative encourages NWT residents to "Get REDI" with fact-based information about the benefits, risks and potential for

resource and energy development in the NWT.

Tradeshow-format information events equip residents with the information and confidence needed to support and make decisions regarding natural resource development. They will be supplemented, in time, with an interactive website and educational resources.

LARGEST STAKING RUSH IN YEARS HITS NWT

The release of new data on the Slave Geological Province this summer has resulted in the greatest amount of staking in the Northwest Territories since 2014.

The staking rush contributed to an increase in claim numbers this year. Two hundred forty-four claims were staked in the NWT in 2017 totalling 165,284.91 hectares. By comparison, a total of 83 claims were staked in 2016 totalling 42,404 hectares.

Thirty-four of these new claims were staked over a two-week period following the June 22nd release of two geophysical reports on the Slave Geological Province

by the NWT Geological Survey. During the same timeframe, 45 claim tags were sold and 107 claims maps were issued.

The "mini-staking rush" confirms the Slave Geological Province's great promise for continued diamond exploration and mining.

The reports were jointly funded by the NWT Geological Survey and the Canadian Northern Economic Development Agency (CanNor) to inform a variety of mineral exploration, geological and environmental research objectives.

MORE GEOSCIENCE PLANNED IN NWT

The Northwest Territories Geological Survey has released the strategic plan that will guide its operations through 2022.

Building on a vision first set out in 2011, the five-year plan includes changes to reflect the Government of the Northwest Territories' post-Devolution jurisdiction over NWT lands and resources.

The Survey is experiencing a growing demand for science-based information to address issues of land management, infrastructure development,

environmental stewardship, and climate change adaptation.

As this five-year plan comes into effect, the availability of modern, comprehensive geoscience information will be of particular importance in stimulating new mineral and energy exploration, and in understanding and addressing the effects of climate change.

“DON’T JUST TALK ABOUT IT; GO DO IT!”

ONE SMALL COMMUNITY’S BIG EXAMPLE



That has been the message time and time again from Joseph Kochon, Band Manager for the Bedzhi Ahda First Nation, as he relates his community’s approach to resource development.

With a population of 157, his community of Colville Lake, Northwest Territories is one of Canada’s smallest. Its tiny size is in stark contrast to the area’s prodigious natural resource potential.

It is the potential that drove Kochon and his small community to start thinking big; and to take the lead in capitalizing on the wealth of opportunities that they envision for their future.

“If you want something for your community, you need to speak out,” Kochon says. “We see the potential in natural resource development to give our people a better future.”

As with many of the NWT’s Indigenous economic entities, the seeds of economic self-sufficiency in Coleville Lake were first sown by the oil and gas sector and explorers eager to assess lands and

sub-surface resources. However, while Kochon and his team were willing to navigate an exploration partnership with Petro Canada and British Gas, his community’s leadership remained skeptical.

Sensing a stalemate, Kochon applied the tenets of traditional knowledge to fortify their vision.

“It is very important in our culture to have visuals,” he says. “My community needed culturally relevant, real-world education on the oil and gas industry. So, to help them feel more comfortable with industry, we brought community members to Alberta to see pipelines, seismic work, gas plants; you name it.”

With community leaders more embracing of resource development generally, the move paid off and led to a partnership with Paramount Resources Ltd. and Apache Canada for more than \$375 million in seismic testing and oil and gas exploration.

The band’s leadership, however, went one step further – weaving the terms of their deal to provide much longer-term benefits than the immediate exploration.

They developed a human resources plan to build skills and capacity amongst their residents; and in addition to training opportunities, they negotiated asset acquisitions. “We received more than \$500,000 of equipment as part of our agreement,” says David Codzi, Manager of the Ayoni Keh Land Corporation, the organization responsible for managing regional land use.

“That, along with the employment opportunities and revenue sharing, set us up to do right by our people.”

Unfortunately for the people of Colville Lake, a follow up project was not to be as activity in the oil and gas sector paused.

But while Oil and Gas development may have taken a hiatus, the community of Colville Lake did not.

When talk began about reinvesting its capacity and assets into a new airport, it didn’t last long. A new runway was ready to go within two years; and a new airport terminal was opened in 2012.

Today, the community of Colville Lake has turned its attention to Mining; partnering with the Geological Survey of Canada to study and map their part of the Sahtu region - and preparing themselves to capitalize on a growing interest in the region’s mineral potential.

“We’re now investing in bringing our people the knowledge to succeed in mining,” Codzi says. “From prospector and GIS training, to heavy equipment operation to the training associated with our new sluicing equipment— job readiness is continually improving amongst our people.”

Research by the NWT Geological Survey may support the band’s new vision. While its remoteness means it has not

experienced as much mineral exploration as other NWT areas, diamonds have been found in the region, and its geology is favorable for the formation of a variety of base metal deposits.

Pre-existing assessment work, collected under the NWT Mining Regulations and curated at the NWT Geological Survey, provides a starting point for the Ayoni Keh Land Corporation and partners taking up the mineral exploration challenge.

“You go in blind and you come out better,” Codzi says. “We can’t base our decisions on fear — just good research and an understanding of how we can best deliver for our people.”

“Culturally, this is all very new to us,” he says, “but we have a great deal of pride in our community and we have witnessed the independence that resource related opportunities provide for our people.”

Their success and industry-friendly approach is a model for other Northwest Territories bands and indigenous governments anxious to replicate their success.

Northwest Territories Mining Incentive Program

Looking for support to advance your mineral project in the Northwest Territories?

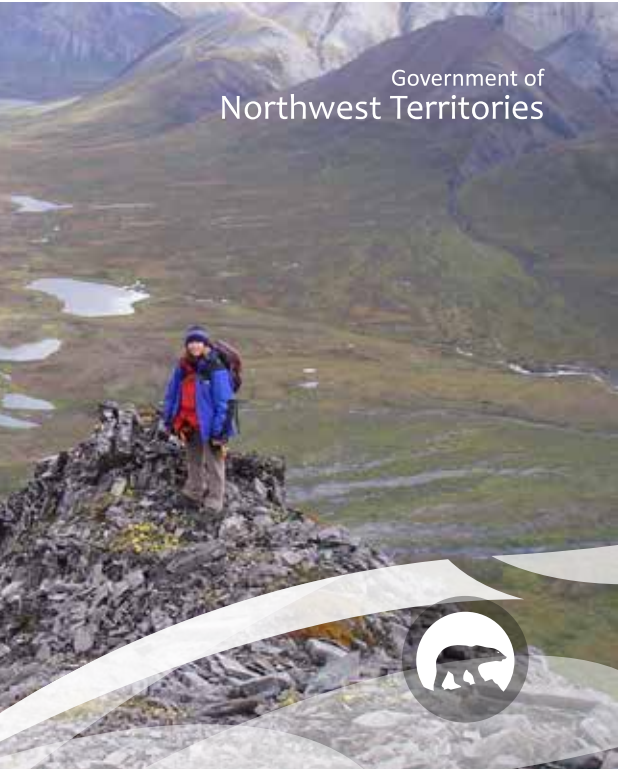
The Government of the Northwest Territories’ Mining Incentive Program (MIP) has \$1 Million budget to support prospectors and exploration companies as they carry out mineral exploration in the Territory.

APPLY NOW FOR 2018-19

- Prospectors may apply for up to **\$25,000**
- Exploration companies may apply for up to 50% of eligible project expenses to a maximum of **\$200,000**
- Application deadline: **April 27, 2018**

For more information:
Northwest Territories Geological Survey
Email: NTGS@gov.nt.ca
Phone: 1-867-767-9211 X63649
Fax: 1-867-873-2652
www.nwtgeoscience.ca/MIP

Government of
Northwest Territories



MAX-ING NWT APPRECIATION FOR MINING



It was a gala affair November 16 as the NWT's Mining and Exploration - MAX - Awards were introduced with all of the excitement and festivity deserving of NWT mining excellence.

Sponsored jointly with the NWT and Nunavut Chamber of Mines, the new annual awards highlight the government's want to welcome innovative, responsible developers to the territory and to shine a deserving light on present contributors to the NWT industry.

"They are about celebrating the contributions of mining and exploration to our territory – and the success and excellence of those individuals who lead this work and its success," Minister of Industry Tourism and Investment told a packed audience as the awards debuted in line with the NWT Chamber of Mines' 50th anniversary and the conclusion of the 45th Annual Geoscience Forum in Yellowknife.

"As a government, it is important to recognize achievements of mining and exploration professionals who shaped our mining heritage, and today's leaders who continue to drive our future."

Inaugural MAX Award recipients have all played an enormous role in responsible and successful resource development; generating opportunities and demonstrating leadership in their respective categories.

They are credited with going above and beyond to find and develop resources, engage with the public and governments, ensure Indigenous participation, create

jobs and business benefits, and train NWT residents - all of which are advancing the future and well-being of mining in the NWT.

(L to R) Gary Vivian, Patrick Evans, Chantal Lavoie, Darrell Beaulieu, Al Harman, Rebecca Alty, Jessica Kozian, Altaf Lakhani and Wally Schumann.



Photo: Bill Braden

Recipients of the 2017 awards were:

- Distinguished Service – Aurora Geosciences
- Economic Leadership – Ekati Diamond Mine and Diavik Diamond Mine
- Environmental & Social Responsibility – Diavik Diamond Mine, TerraX Minerals
- Indigenous Achievement Awards – Joe Rabesca and Darrell Beaulieu
- Special Achievement Awards – Mine Training Society and Altaf Lakhani



Bob McLeod
PREMIER, NORTHWEST TERRITORIES

It's no secret that the health of the Northwest Territories economy rests with resource development. It creates jobs, and economic opportunities that allow our residents and businesses to thrive.

We know we can't rely on resource development forever and need to diversify our economies. While we are doing that, though, we also need to make sure that Northerners can stay employed in the resource development sector that has contributed so much to the North already.

This means ensuring people are trained to get and keep jobs, communities are prepared for the social and economic impacts, maintaining and improving the legal and regulatory framework that ensures resources can be developed safely, and the territory has the infrastructure it needs to support responsible development.

Despite our governments' best efforts to attract investors to our territory, we continue to face the challenge of a shrinking resource development sector. In 2016, resource development contributed \$938 million to the NWT economy and was its single biggest sector. That's nearly a billion dollars of economic activity we can't take for granted if we want NWT residents to have good middle class jobs and income.

In November, I issued a Red Alert stating the promise of the North is in jeopardy as we see a re-emergence of paternalistic attitudes at the Federal level. For too long now policies have been imposed on the North from Ottawa that are threatening our economic potential. Northerners can and should be making those decisions for ourselves.

Unilateral decisions by Canada have contributed to uncertainty that the NWT and the exploration industry can ill afford right now. The Prime Minister is committed

to growing the middle class by making sure people have access to good, well-paying jobs. Northerners and their governments want the same thing for themselves, too. I am committed to fighting for the future of the Northwest Territories, and will continue to pressure the Prime Minister on his commitment to open doors of economic opportunity for our people.

But I cannot stand alone in this fight for the future of the North, and it's important that stakeholders also make their voices heard in the discussion about the future of the Northwest Territories.

Simply put, what's good for us will also be good for those invested in our future. As our economic partners, you play an important role in advocating for what the North needs, and the stronger our voices are, the better opportunity there is to create a vision for the North that will benefit each and every one of us.

Our residents deserve the opportunity to achieve economic self-determination, and Canada must come to the table with a vision that reflects the aspirations and goals of Northerners, and make decisions that support our growth, not impede it.

Our government has not received any clear indication that Canada has a coherent vision or plan for the NWT's long term future that is guiding decisions they are already making and implementing in the NWT. The federal government's decisions have a significant impact on the NWT and its people and we are eager to partner with them to improve the lives of Northerners.

But, we need to be sure that Canada is prepared to truly listen and understand the NWT's priorities. And then commit to pursuing them with us.

LAST
WORD



NWT RESIDENTS WANT **NEW MINES**

Results from a territory-wide survey conducted by a national research company show that NWT residents favour more mining activity.

86% believe a strong mining sector is vital to the long-term health of the NWT economy

83% say regulation of the mining sector works well **82%** would like to see more mining projects in the NWT

8 in 10 people have positive feeling about mining and mineral exploration companies operating in the NWT.

To learn more about the NWT's world-class resources visit: nwtmining.com • nwtpetroleum.com • nwtgeoscience.ca

THE SURVEY WAS CONDUCTED BY ABACUS DATA AND COMMISSIONED BY THE NWT AND NUNAVUT CHAMBER OF MINES AND THE MINING ASSOCIATION OF CANADA.



Unlocking our **Potential**

NORTHWEST TERRITORIES MINERALS AND PETROLEUM