The **Komatsu D475A-5** has a net horsepower of 664 KW 890HP @ 2000 RPM and an operating weight of **108,390 kg** (238,960 lbs.).

**Other features include:**

- **Dual tilt** – increases productivity while reducing operator effort
- **Hydraulic driven engine cooling fan** – controlled automatically, reduces fuel consumption and operating noise levels
- **Extra-low machine profile** – provides excellent machine balance and low center of gravity
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Tel: (714) 236-9190 | Fax: (714) 236-9196 | www.spintek.com
NTI’s Uranium Mining Policy

GUIDING PRINCIPLE
Uranium exploration and mining must be carried out in an environmentally and socially responsible way and the uranium that results from the mining shall be used only for peaceful and environmentally friendly purposes.

OBJECTIVES
The objectives of NTI’s uranium mining policy are:

1. Support Responsible and Peaceful Uses of Nuclear Energy
   Nuclear energy will be used for peaceful and environmentally responsible purposes.

2. Require Benefits from Uranium Exploration and Mining
   Uranium exploration and mining in Nunavut will bring significant economic benefits to Inuit.

3. Ensure Protection of Human Health
   Uranium exploration and mining will be carried out in a manner that protects the health and safety of the workers and of all Nunavummiut.

4. Limit Impacts of Uranium Exploration and Mining
   Uranium exploration and mining will be carried out in a manner that will not cause significant adverse effects on people, the environment or wildlife.

5. Promote Participation of Inuit
   Inuit of affected communities will be given an opportunity for full and meaningful participation in both the environmental assessment process and the operations of a uranium mining project.

Partner with NTI
To learn more about NTI and our Uranium Mining Policy or for any information regarding our mineral properties or exploration agreements, please visit our website at:

www.tungavik.com or contact: Keith Morrison, Senior Advisor - Minerals, Oil and Gas Management

Nunavut Tungavik Incorporated
P.O. Box 1269, Cambridge Bay, NU XOB OCO
Phone: (867) 983-5600 Fax: (867) 983-5624 Email: kmorrison@tungavik.com
Message from the OPA
Ontario Mining & Exploration Directory 2014

Garry Clark
Executive Director, Ontario Prospectors Association

The New Year is here and hopefully the economics of our industry are better than 2013.

Our industry is always optimistic and knows that the cycle will turn again! Ontario is one of the best political jurisdictions to explore and possesses world class geological environments. The upcoming changes to Map Selection from Ground Staking should improve the competitiveness of Ontario.

There have been some great successes in 2013 that have been overshadowed by the dismal market conditions.

Projects like:
• Probe Mines Limited, Borden Gold continues to add gold through their exploration efforts in the Chapleau area;
• Wesdome Gold Mines has added new zones to the River Gold Mine and keep moving forward;
• North American Palladium are moving forward at Canada’s only primary palladium producer with the new shaft accessing the higher grades;
• Rubicon Minerals Corporation, Phoenix Gold Project in Red Lake moves forward toward production;
• Harte Gold Corp. moves forward on its Sugar Zone in the White River area;
• Detour Gold Corporation, Detour Lake Mine went into production;
• Wallbridge Mining Company Limited’s Broken Hammer Copper/PGE project in Sudbury continues to move forward.

The Ontario Prospectors Association wish success and prosperity to all the Explorers, Miners and Suppliers in 2014.
Dryden, Ontario – Your exploration and mining base, in the heart of a vast frontier. Located on the TransCanada highway in central Canada; Dryden sits in the emerging gold belt for Northwestern Ontario, offering tremendous potential for mining. The Dryden Regional Airport is a full service facility capable of handling all types and sizes of aircraft, equipped with an Instrument landing system (ILS), a fully automated weather observation station, and staff that is dedicated to assist enterprises grow. Growing numbers of mineral exploration companies are settling in Dryden to tap into the existing resources and infrastructure.

Laurentian Goldfields Ltd. continues to explore the Van Horne Gold Property located southwest of Dryden. This site has one of the highest concentrations of gold showings in the Kenora District, and is well connected to Highway 502 and the TransCanada Highway 17 for excellent year round access to needed infrastructure and support services. Exploration and survey work to date has identified both high-grade and bulk-tonnage drill ready targets on the property; suggesting a large, robust hydrothermal system with potential for high-grade and bulk-tonnage gold deposits.

One of the leading exploration and development companies in northwestern Ontario, Treasury Metals Inc. is excited about creating opportunities in the region. Treasury Metals, a TSX-listed exploration and development company, is advancing its way through the mine permitting process with the company’s flagship Goliath Gold Project. Goliath Gold Project offices are located 20 kilometers east of Dryden, Ontario. This gold project contains a highgrade resource slated for near-term open-pit production and underground mining in later years of the mine life. Watch a Treasury Metals video and check out the company at www.treasurymetals.com.

“The services offered by the Dryden Development Corporation have been invaluable in assisting RES in expanding and adapting within the mineral exploration sector” – Bob Ray, Owner, Resource Equipment Sales (RES). Resource Equipment Sales (RES) supplies quality products and services to all sectors of the resource industry including mining, forestry, construction, transportation, municipalities and the public. RES Equipment Sales head office in Dryden with location in Sudbury, Ontario, Canada, can supply most types of underground mining equipment, including LHD, Drilling and Loading, Service Vehicles, rail-bound and trackless equipment, pneumatic and electric. Their shops provide custom design and fabrication, hydraulic component overhauls and power train rebuilds.

Exploration firms and mines require a range of specialized services, opening the doors to growth in service supply. To support mineral exploration and mining companies, Dryden has established relationships that foster consultation with our neighbors in First Nation communities, local businesses, and the region. Dryden is centrally located and offers a skilled labor workforce, no development fees, affordable taxes, and well established infrastructure and services. Join us in Dryden and find your opportunity.

www.dryden.ca
1-877-737-9336 or edo@dryden.ca
Minister’s Message
Ministry of Northern Development and Mines

January 2014

For more than a century, Ontario has established itself as a premier destination for mineral exploration and development with a robust mining sector that consistently ranks among the strongest in the world. Ontario’s mineral endowment, matched with a solid regulatory regime and competitive tax framework, has helped to attract significant industry investment and foster the innovative thinking that now defines a sector rich with knowledge and world-leading expertise in all areas of the mining process.

Ontario is a world-ranked producer of platinum, nickel, cobalt, gold, silver, copper and zinc and is a proud member of the select group of global jurisdictions that produces, processes and markets diamonds. In 2012, our mineral production totalled an impressive $9.16 billion, accounting for more than 22 per cent of Canada’s total mineral production. Over the last decade, more new mines have opened in Ontario than anywhere else in the country and with our current slate of 42 operational mines, we are the nation’s largest producer of non-fuel minerals.

The mining industry provides well-paying jobs to about 26,000 people directly as well as an estimated 50,000 additional jobs in the manufacturing and processing of mineral products. The mining sector also holds the distinction of being the largest private-sector employer of Aboriginal Peoples in Canada.

The legacy that we have established is the foundation for an even brighter future in mining. As Canada’s leader in mineral exploration for more than a decade, Ontario is home to over 250 companies that are currently undertaking more than 400 mineral exploration projects. Promising discoveries are being advanced near Chapleau in northeastern Ontario, and near Dryden, Fort Frances and, of course, the Ring of Fire in Northwestern Ontario. The grassroots prospecting community continues to be an essential part of our successful mineral development sector and we remain fully committed to supporting Ontario’s mineral developers in finding the mines that will continue to create jobs and grow our economy for decades to come.

I believe that mineral development should benefit all Ontarians, and our government continues to work in collaboration with the mineral development community to help ensure Ontario remains one of the best places in the world for mineral exploration and investment.

The future of mining in Ontario continues to be exceptionally promising, and our government will continue to embrace policies, programs and services that invest in a strong workforce, invest in modern infrastructure and support a vibrant investment climate that will continue to drive future economic growth and job creation for decades to come.
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1.800.237.6951
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Satellite Communications in the Mining Industry

Reliable satellite communications is essential to remote mining operations. Voice over IP (VoIP) and Internet access are rapidly becoming as important to miners as food and a warm bed. There have been exciting new satellite technologies over the past few years and we thought it would be a good idea to interview the C.E.O and founder of one of Canada’s leading satellite companies to see what’s new.

In 1992, Rick launched on to the national stage when he founded Galaxy Satellite, which morphed into GALAXY Broadband Communications and became one of the country’s leading satellite service providers. GALAXY specializes in providing data and voice services for oil and gas, construction, exploration, production, office and camp morale. GALAXY’s head office is located in Mississauga, Ontario, with Canadian sales offices in Edmonton, Alberta and Prince George, British Columbia, in addition to an American sales office in Dallas, Texas.

Prospector: Rick, why don’t we start with the question what’s new in satellite communications?
Rick Hodgkinson: I think the most significant change that I have seen in this industry is that the Internet has become an indispensable part of our modern economy and for remote operations satellite has become a virtual lifeline. It has always played a critical role in remote communications but now it is integral to the business itself. We have customers in the mining industry that if the internet link drops, the drilling stops immediately.

Prospector: So it’s not just about email and surfing the web anymore?
Rick Hodgkinson: No, but that’s still an important aspect. We are seeing more and more customers approaching us for better solutions. Their existing satellite solution is no longer meeting their needs and adversely affecting operations, or worse, camp morale. They know they need something better but don’t know what. That’s where our experienced sales engineers really show value as they sit with the customer and after carefully understanding their needs, which are all unique, we suggest a proof of concept or trial at our facility or their site with their applications.

Prospector: Ok, so based on your experience with satellite what would you recommend our readers consider?
Rick Hodgkinson: Firstly, don’t be blinded by speed claims. Secondly, the old adage you pay for what you get applies. Make sure you are getting a QoS network, Managed Services and engineering support. Now, that said, at GALAXY our biggest challenge is responding to the questions “so why is your price so much better than what I am paying now?”

Prospector: Then why is your price less?
Rick Hodgkinson: Simple; we have deployed the latest, most efficient technology to get the most bits of data from a satellite signal and we use the most powerful satellites. If your reader has an older large C Band dish and are looking to upgrade their service levels I say keep your C Band but supplement with a newer Ka or Ku Band technology. This way you get a fully redundant service, on two different satellites that will deliver close to 100% reliability and for a price that is dramatically less than upgrading the old dish. A true win-win scenario; more throughput, higher reliability and lower cost overall.
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Probe Mines Honoured with the 2013 Ontario Prospector Award For the Borden Gold Project

Little did Dr. David Palmer, President and CEO of Probe Mines Limited; realize what he had on his hands when he originally acquired the Borden Gold Project property, located near Chapleau, Ontario.

Having already made a significant discovery with the Black Creek Chromite Project in the James Bay Lowlands in 2009, Dr. Palmer liked the idea of adding a grassroots property to the portfolio, especially since the Borden property was easily accessible to infrastructure.

The project rapidly evolved. Since the discovery in 2010, continued drilling has outlined a pit-constrained resource of 4.3 MM oz at 1.03 g/t Au average grade at 0.5 g/t Au cut-off, with 85% of the total pit constrained resource in the indicated category. This includes a consistent higher-grade core of 2.34 MM oz @ 1.7 g/t Au average grade at a 1.0 g/t Au cut-off.

With over 517 drill holes completed, representing over 150,000 metres, the mineralized zone has now been identified over an area 3 km long by up to 200 metres wide and to a depth of 500 metres. The discovery of a new, High-Grade Zone in the southeastern part of the deposit in December 2012 consists of an intersection of 51 metres that graded 10.3 g/t Au and also includes 25 metres at 17.8 g/t Au. Drilling has confirmed the continuity of the High Grade Zone which has currently been delineated up to 1,000m along strike to the SE of the initial high grade intersection, and remains open along strike. The high-grade zone will be included in the next updated NI43-101 Resource Estimate.

Probe has also identified potential for new discoveries within the Borden Belt that extends to the Northeast of the Borden gold zone and the Company recently acquired over 350 square km of additional unexplored ground comprising the East Limb Property.

Along with prospectors Jack Robert and Mike Tremblay, Dr. David Palmer and the Probe exploration team were recognized with the prestigious "2013 Ontario Prospector Award" for the Borden Gold Discovery, during the recent annual awards ceremony held in Sudbury on November 5, 2013.

With the dwindling number of significant gold discoveries globally, the discovery and evolution of the Borden Gold Project in mining-friendly Ontario will potentially play an important role in the Province's already rich gold mining history.
Contact Us Today and Explore the Opportunities

The Ontario Ministry of Northern Development and Mines provides investors with extensive and up-to-date information on mineral exploration and development. For further information on exploring the many exciting mining investment opportunities in Ontario, you can contact us at one of the numbers above or visit the Ministry’s website:

www.mndm.gov.on.ca

Minister and Deputy Minister’s Offices
Room 5630, Whitney Block
99 Weesley Street West
Toronto, Ontario
M7A 1W3 Canada
Tel: (416) 327-0633
Fax: (416) 327-0665

Mines and Mineral Division
Willet Green Miller Centre
933 Ramsey Lake Road, 6th Floor
Sudbury, Ontario
P3E 6B5 Canada
Tel: (705) 670-5755
Fax: (705) 670-5818
Toll Free: 1-888-415-9845
Website: www.mndm.gov.on.ca

Ring of Fire Secretariat
Willet Green Miller Centre
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Sudbury, Ontario
P3E 6B5 Canada
Tel: (705) 670-5819
Fax: (705) 670-5626

How to Contact Us

Senior Aboriginal Relations Officers
Thunder Bay: (807) 475-1100
Timmins: (705) 235-1621
North Bay: (705) 494-4080

Mineral Exploration and Development Consultants
Sudbury: (705) 670-5815
Timmins: (705) 235-1625
Thunder Bay: (807) 475-1123

Mining Lands Section Services:
Provincial Recording Office
Technical Services Unit
Sudbury: (705) 670-5742

Resident Geologist Offices
Kenora: (807) 468-2813
Kirkland Lake: (705) 568-4516
Red Lake: (807) 727-3272
Sault Ste. Marie: (705) 945-6931
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*Some Service Ontario Locations Also Provide Services For Mining Lands
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<td>12 Mishi Gold Mine</td>
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<td>13 Musselwhite Mine</td>
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**BASE METAL MINES**

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<td>18 Lockerby Mine</td>
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<td>19 Sudbury Operations:</td>
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<td>Levack Mine</td>
<td></td>
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<tr>
<td>McCreedy West Mine</td>
<td></td>
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<td>20 Sudbury Operations:</td>
<td>Vale S.A.</td>
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<tr>
<td>Copper Cliff North Mine</td>
<td></td>
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<tr>
<td>Creighton Mine</td>
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<td>Ellen Mine</td>
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<td>Garson Mine</td>
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<td>McCreedy East / Coleman Mine</td>
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<td>Stobie Mine</td>
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<td>Totten Mine</td>
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<tr>
<td>21 Sudbury Operations:</td>
<td>Glencore Xstrata Plc</td>
</tr>
<tr>
<td>Nickel Rim South Mine</td>
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<tr>
<td>Fraser Mine</td>
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**IRON MINE**

<table>
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<th>Name</th>
<th>Company</th>
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<tr>
<td>22 Tomclid Iron Mine</td>
<td>Ferromin Inc.</td>
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**PLATINUM GROUP METAL MINE**

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<th>Name</th>
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<tr>
<td>23 Lac des Iles Mine</td>
<td>North American Palladium Ltd.</td>
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**DIAMOND MINE**

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>1 Victor Diamond Mine</td>
<td>De Beers Canada Inc.</td>
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**MAJOR INDUSTRIAL MINERAL OPERATIONS**

<table>
<thead>
<tr>
<th>Name</th>
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<tbody>
<tr>
<td>1 Blue Mountain Operations (nepheline syenite)</td>
<td>Unimin Canada Ltd.</td>
</tr>
<tr>
<td>2 Goderich Brine Field (salt)</td>
<td>Sifto Canada Inc.</td>
</tr>
<tr>
<td>3 Goderich Mine (salt)</td>
<td>Sifto Canada Inc.</td>
</tr>
<tr>
<td>4 Hagersville Mine (gypsum)</td>
<td>CGC Inc.</td>
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<tr>
<td>5 Mohawk Garnet Mine (garnet abrasive)</td>
<td>Mohawk Garnet Inc.</td>
</tr>
<tr>
<td>6 North Williams Mine (barite)</td>
<td>Extender Minerals of Canada Ltd.</td>
</tr>
<tr>
<td>7 Ojibway Mine (salt)</td>
<td>The Canadian Salt Company Ltd.</td>
</tr>
<tr>
<td>8 Penhorwood Mine (talc)</td>
<td>Imerys Talc</td>
</tr>
<tr>
<td>9 Tatlock Quarry (calcium carbonate)</td>
<td>OMYA Canada Inc.</td>
</tr>
<tr>
<td>10 Windsor Brine Field (salt)</td>
<td>The Canadian Salt Company Ltd.</td>
</tr>
</tbody>
</table>
**Ontario Mineral Producers**

### Metal Mines – Gold

#### Bell Creek Mine

Lake Shore Gold Corp.
* gold producer  
 * underground

**Address**  
1515 Government Road South  
Timmins, ON P4R 1N4  
Tel: (705) 269–4344  
Fax: (705) 268–1794

**Website**  
www.lsgold.com

**Mine Manager**  
Danny Battiston

**Production**  
2012 – 21,600 ounces of gold  
2013 – 26,500 ounces of gold (estimated)  
2014 – 24,770 ounces of gold; 170,000 ounces of gold (guidance for Bell Creek and Timmins West combined)

**Reserves**  
3,725,000 tonnes at 4.85 g/t containing 581,030 ounces of gold (Measured and Indicated – Dec 2012); 6,080,000 tonnes at 4.62 g/t containing 903,688 ounces of gold (Inferred – Dec 2012)

**Opened**  
2012

**Employment**  
119 total

**Notes**  
Toward the end of 2013, production at Bell Creek focused on the 610–625 levels on the west side of the North A zone. At Bell Creek Mill, the final phase of a 50% expansion of capacity was completed in 2013. Mill capacity increased from 2,000 to over 3,000 tonnes per day.

#### Black Fox Mine

Brigus Gold Corp.
* gold producer  
 * open pit  
 * underground

**Address**  
PO Box 605  
Matheson, ON P0K 1N0  
Tel: (705) 273–1077  
Fax: (705) 273–1097

**Website**  
www.brigusgold.com

**Mine Manager**  
Marc Bilodeau, VP of Operations

**Production Rate**  
2,150 tonnes per day

**Production**  
2010 – 67,499 ounces of gold  
2011 – 55,756 ounces of gold  
2012 – 77,374 ounces of gold  
2013 – 98,710 ounces of gold  
2014 – 100,000 ounces of gold (guidance)

**Reserves**  
5,222,000 tonnes at 4.55 g/t containing 764,311 ounces of gold (Proven and Probable – Dec 2012)

**Opened**  
2009

**Employment**  
300

**Notes**  
Black Fox underground exploration in 2013 yielded significant results, including one gold intersection at 40.71 g/t over 26.75 m. A resource estimate was completed for the Grey Fox project showing Indicated and Inferred Resources of 5,830,000 tonnes at 3.93 g/t containing 735,958 ounces of gold (Jul 2013). In December 2013, Primero Mining Corp. began a friendly takeover that will make Brigus Gold its wholly owned subsidiary.

#### Detour Lake Gold Mine

Detour Gold Corp.
* gold producer  
 * open pit

**Address**  
86 2nd Street, PO Box 1325  
Cochrane, ON P0L 1C0  
Tel: (647) 847–2089  
Fax: (705) 272–2558

**Website**  
www.detourgold.com

**Mine Manager**  
Denis Caron

**Production Capacity**  
238,000 tonnes per day (Dec 2013)

**Production**  
2010 – 67,030 ounces of gold  
2011 – 73,120 ounces of gold  
2012 – 155,358 ounces of gold (Stockpile contribution included)  
2013 – 292,000 ounces of gold (Porcupine Mines Operations combined)  
2014 – 297,500 ounces of gold (guidance for all Porcupine Mines Operations combined)

**Reserves**  
887,300,000 tonnes at 1.018 g/t containing 29,047,788 ounces of gold (Measured, Indicated and Inferred – Jan 2012)

**Opened**  
2013

**Employment**  
500

**Notes**  
Detour declared September 1, 2013 as the commencement date for commercial production at Detour Mine. The mine is expected to operate through 2034. The mine will produce 657,000 ounces of gold per year when the milling capacity is upgraded from 55,000 to 61,000 tonnes per day.

#### Dome Mine (Porcupine Mines)

Goldcorp Inc.
* main gold producer  
 * underground

**Address**  
4315 Gold Mine Road, PO Box 70  
South Porcupine, ON P0N 1H0  
Tel: (705) 235–3221  
Fax: (705) 235–2343

**Website**  

**Mine Manager**  
Marc Laurier, Mine General Manager

**Production Capacity**  
11,000 tonnes per day for Dome Mill

**Production**  
2010 – 67,030 ounces of gold  
2011 – 73,120 ounces of gold  
2012 – 155,358 ounces of gold (Stockpile contribution included)  
2013 – 292,000 ounces of gold (Porcupine Mines Operations combined)  
2014 – 297,500 ounces of gold (guidance for all Porcupine Mines Operations combined)

**Reserves**  
278,000,000 tonnes at 1.21 g/t containing 10,781,442 ounces of gold (Measured and Indicated – Dec 2012); 18,850,000 tonnes at 1.95 g/t containing 1,181,781 ounces of gold (Inferred – Dec 2012); (Porcupine Mines Operations combined)

**Opened**  
1910 (underground), 1995 (open pit)

**Employment**  
746 employees, 375 contractors (total for all three Porcupine Mines Operations combined)

**Notes**  
Porcupine Mines Operations include the Dome Mine, Hoyle Pond Mine and a Stockpile Operation. A new mine plan has been developed for Hollinger that will support the economics of lower gold prices. Construction at the $75 million Hollinger Open Pit project began in December 2013.
Eagle River Mine
Wesdome Gold Mines Ltd.
• gold
• underground

Address 93 Mission Road, PO Box 1520
Wawa, ON P0S 1K0
Tel: (705) 856–2721
Fax: (705) 856–2979

Website www.wesdome.com

Mine Manager Jeff Hutchings

Production Rate 600 tonnes per day

Production 2010 – 36,712 ounces of gold
2011 – 28,200 ounces of gold
2012 – 32,326 ounces of gold
2013 – 42,850 ounces of gold
2014 – 47,000 ounces of gold (forecast)

Reserves 687,000 tonnes at 9.60 g/t containing
212,021 ounces of gold (Indicated and Inferred – Dec 2012)

Opened 1995

Employment 125

Notes In 2013, the 7 zone and 300 zone were discovered while drilling the depth extension to the mine’s main production area, the 811 zone. The new zones are close to the existing workings of the mine and are expected to have a significant impact on resources.

Hemlo Mine
Barrick Gold Corporation
• gold producer
• underground
• open pit

Address PO Box 11
Marathon, ON P0T 2E0
Tel: (807) 238–1014
Fax: (807) 238–1019

Website www.barrick.com

Mine Manager Andrew Bauman

Production 2010 – 242,224 ounces of gold
2011 – 217,462 ounces of gold
2012 – 206,000 ounces of gold
2013 – 186,000 ounces of gold

Reserves 68,446,000 tonnes at 1.52 g/t containing
3,350,069 ounces of gold (Measured, Indicated and Inferred – Dec 2012)

Opened 1985

Employment 555 employees, 200 contractors

Notes The Hemlo Operation consists of the former David Bell and Williams mines. Barrick’s guidance for 2013 is “all-in sustaining costs” of $900–975 per ounce and $575–600 per ounce for “adjusted operating costs” (formerly “total cash costs”).

Holloway–Holt Mine
St Andrew Goldfields Ltd.
• gold producer
• underground

Address Highway 101 East, PO Box 609
Matheson, ON P0K 1N0
Tel: (705) 567–4862
Fax: (705) 567–4863

Website www.sasgoldmines.com

Mine Manager Marc-Andre Pelletier

Production Rate Holloway Mine: 700 tonnes per day
Holt Mine: 1,000 tonnes per day

Production Holloway Mine: 2010 – 57,459 ounces of gold
2011 – 21,462 ounces of gold
2012 – 21,629 ounces of gold
2013 – 22,800 ounces of gold

Holt Mine: 2010 – 2,022 ounces of gold
2011 – 50,445 ounces of gold
2012 – 58,898 ounces of gold

Reserves Holloway Mine: 4,454,000 tonnes grading 4.52 g/t containing 648,000 ounces of gold (Measured, Indicated and Inferred – Dec 2012)
Holt Mine: 6,172,000 tonnes grading 4.19 g/t containing 831,000 ounces of gold (Measured, Indicated and Inferred – Dec 2012)

Opened Holloway Mine: 2009
Holt Mine: 2010

Employment Holloway Mine: 116
Holt Mine: 168

Notes Most of the production at the Holloway Mine is from the Smoke Deep zone. At the Taylor project, recent definition drilling on the eastern edge of the 1004 lens of the West Porphyry zone has confirmed higher grade mineralized zones than were previously defined. A bulk sample from Taylor was processed in early 2013 recovering 686 ounces of gold. The Mineral Resource Estimate for the Taylor project is 3,633,000 tonnes grading 4.46 g/t for 521,000 contained ounces of gold (Indicated and Inferred – Dec 2012).
Hoyle Pond Mine (Porcupine Mines)

Goldcorp Inc.
• gold producer
• underground

Address
4315 Gold Mine Road, PO Box 70
South Porcupine, ON P0N 1H0
Tel: (705) 235–3221
Fax: (705) 235–2343

Website

Mine Manager
Marc Lauzier, Mine General Manager

Production Rate
900 tonnes per day

Production
2010 – 118,244 ounces of gold
2011 – 141,202 ounces of gold
2012 – 128,699 ounces of gold
2013 – 185,000 ounces of gold (Porcupine Mines Operations combined)
2014 – 297,500 ounces of gold (guidance for all Porcupine Mines Operations combined)

Reserves
278,000,000 tonnes at 1.21 g/t containing
10,781,442 ounces of gold (Measured and Indicated – Dec 2012); 18,850,000 tonnes at
1.95 g/t containing 18,181,781 ounces of gold
(Inferred – Dec 2012); (Porcupine Mines Operations combined)

Opened
1985

Employment
746 employees, 375 contractors (total for all three Porcupine Mines Operations combined)

Notes
Porcupine Mines Operations include the Dome Mine, Hoyle Pond Mine and a Stockpile Operation. At Hoyle Pond Deep, development continues on a deep underground winze shaft that will improve access to the TVZ and VAZ zones and significantly extend the life of the mine. The winze will run from the 355 metre level to 2,200 metres below surface.

Island Gold Mine

Richmont Mines Inc.
• gold producer
• underground

Address
Goudreau Road, PO Box 456
Dubreuilville, ON P0S 1B0
Tel: (705) 884–2805
Fax: (815) 797–0166

Website
www.richmont–mines.com

Mine Manager
Jean Bastien

Production Rate
850 tonnes per day (mill capacity)

Production
2010 – 45,654 ounces of gold
2011 – 49,443 ounces of gold
2012 – 41,686 ounces of gold
2013 – 38,000 ounces of gold (guidance)

Reserves
3,486,000 tonnes at 8.73 g/t containing
171,814 ounces of gold (Measured, Indicated and Inferred – Oct 2013)

Opening
2007

Employment
181

Notes
Island Gold Deep project is located at the 450 through 1,000 metre level below Island Gold Mine and is open in all directions. The project’s C zone has 2,278,000 tonnes at 10.53 g/t Au containing 771,000 ounces of gold (Inferred – Oct 2013).

Because of the lower price of gold, in late 2013, Richmont decided that the Island Gold Deep project would be funded from free cash flow rather than from borrowing.

Macassa Mine

Kirkland Lake Gold Inc.
• gold producer
• underground

Address
1350 Government Road West, PO Box 370
Kirkland Lake, ON P2N 3J1
Tel: (705) 567–5208
Fax: (705) 568–6444

Website
www.klgold.com

Mine Manager
Raymond Belecque, General Manager

Production Rate
mill capacity 1500 tonnes per day

Production
2010 – 45,191 ounces of gold (fiscal year ending Apr. 30)
2011 – 81,860 ounces of gold (fiscal year ending Apr. 30)
2012 – 100,275 ounces of gold (fiscal year ending Apr. 30)
2013 – 91,518 ounces of gold (fiscal year ending Apr. 30)
2014 – 61,566 ounces of gold (six months ending Oct 2013); 175,000 ounces of gold (guidance for fiscal year ending Apr. 30)

Reserves
278,000,000 tonnes at 1.21 g/t containing
10,781,442 ounces of gold (Measured and Indicated – Dec 2012); 18,850,000 tonnes at
1.95 g/t containing 18,181,781 ounces of gold
(Inferred – Dec 2012): (Porcupine Mines Operations combined)

Opened
1995

Employment
1050 (estimated)

Notes
Kirkland Lake Gold is increasing production capacity at Macassa to 2,200 tonnes per day. 2013 drilling focussed on the 5,300 foot level of the mine. Kirkland’s current project areas include the South Mine complex, the HM claim and North Amalgamated Kirkland.

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### Red Lake Gold Mine
**Goldcorp Inc.**
- **gold producer**
- **underground**

**Address**  
17 Mine Road, PO Box 2000  
Balmertown, ON P0V 1C0  
Tel: (807) 735–2077  
Fax: (807) 735–2765

**Website**  
www.goldcorp.com

**Mine Manager**  
Chris Cormier, Mine General Manager

**Production Rate**  
3,100 tonnes per day

**Production**  
2010 – 703,300 ounces of gold  
2011 – 622,000 ounces of gold  
2012 – 507,500 ounces of gold  
2013 – 493,000 ounces of gold  
2014 – 460,000 ounces of gold (guidance)

**Reserves**  
10,480,000 tonnes at 9.57 g/t containing 3,225,525 ounces of gold (Proven and Probable – Dec 2012)

**Opened**  
1948

**Employment**  
976 employees, 335 contractors

**Notes**  
Goldcorp’s expenditures on Red Lake in 2013 focussed on exploration, construction of surface infrastructure, shaft widening and sinking as well as the development of the Cochenour Red Lake haulage drift. The haulage drift is now more than 80% complete. Goldcorp plans to consolidate the Cochenour project into the Red Lake Operation. Cochenour gold production is expected to begin in the first half of 2015 and will contribute 225,000–250,000 ounces of gold per year at full production.

### Mishi Gold Mine
**Wesdome Gold Mines Ltd.**
- **gold producer**  
- **open pit**

**Address**  
93 Mission Road, PO Box 1520  
Wawa, ON P0S 1K0  
Tel: (705) 856–2721 ext. 507  
Fax: (705) 856–2979

**Website**  
www.wesdome.com

**Mine Manager**  
Daniel Lapointe, Superintendent

**Production Rate**  
500 tonnes per day

**Production**  
2012 – 4,776 ounces of gold  
2013 – 2,360 ounces of gold  
2014 – 2,600 ounces of gold (forecast)

**Reserves**  
6,842,000 tonnes at 2.6 g/t containing 571,000 ounces of gold (Measured, Indicated and Inferred – Dec 2012)

**Opened**  
2012

**Employment**  
40 (approximately)

**Notes**  
Milling facilities at Mishi are currently being upgraded to 1,000 tonnes per day. Contractor mining activities at Mishi were suspended in 2013 in order to run down the mill stockpile, thus saving $3.5 million in contractor fees without affecting Wesdome’s production guidance of 55,000 ounces for 2013. Contractors will recommence in the spring of 2014.

### Musselwhite Mine
**Goldcorp Inc.**
- **gold producer**  
- **underground**

**Address**  
PO Box 7500  
Thunder Bay, ON P7B 6S8  
Tel: (807) 928–2200  
Fax: (807) 928–2067

**Website**  
www.goldcorp.com

**Mine Manager**  
Gil Lawson

**Production Rate**  
4,500 tonnes per day

**Production**  
2010 – 258,700 ounces of gold  
2011 – 242,600 ounces of gold  
2012 – 239,200 ounces of gold  
2013 – 255,000 ounces of gold  
2014 – 235,000 ounces of gold (guidance)

**Reserves**  
11,230,000 tonnes at 6.34 g/t containing 2,289,075 ounces of gold (Proven and Probable – Dec 2012)

**Opened**  
1997

**Employment**  
539 employees, 277 contractors

**Notes**  
A drilling program was completed on the Musselwhite property in August 2013. Exploration focussed on the Lynx zone and PQ Deeps with significant results.

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www.actlabs.com
Timmins West Mine
Lake Shore Gold Corp.
- gold producer
- underground, open pit

**Address**
1515 Government Road South
Timmins, ON P4R 1N4
Tel: (705) 269–4344
Fax: (705) 268–1794

**Website**
www.lsgold.com

**Mine Manager**
Danny Battiston

**Production Rate**
2,500 tonnes per day

**Production**
- 2010 – 46,800 ounces of gold
- 2011 – 83,585 ounces of gold
- 2012 – 53,973 ounces of gold
- 2013 – 107,000 ounces of gold (estimated)
- 2014 – 170,000 ounces of gold (Lake Shore Gold Operations combined)

**Reserves**
8,811,000 tonnes at 5.16 g/t containing
798,135 ounces of gold (Probable – Dec 2012) and 4,716,000 tonnes at 5.79 g/t containing 791,500 ounces of gold (Inferred – Dec 2012)

**Opened**
2011

**Employment**
285

**Notes**
Timmins West Mine is producing from the Timmins and Thunder Creek deposits. Production at Timmins West is fed to the Bell Creek Mill. 16,200 metres of drilling was conducted in the third quarter of 2013. Capital investment at Timmins West totaled $37.5 million in the first three-quarters of 2013.

Young–Davidson Mine
AuRico Gold Inc.
- gold producer
- underground, open pit

**Address**
PO Box 187
Matachewan, ON P0K 1M0
Tel: (705) 565–9800
Fax: (705) 565–2387

**Website**
www.auricogold.com

**Mine Manager**
Luc Guimond, General Manager

**Production Rate**
6,000 tonnes per day (mill capacity)

**Production**
- 2012 – 56,138 ounces of gold
- 2013 – 120,738 ounces of gold

**Reserves**
45.5 million tonnes at 2.6 g/t containing
3,805,424 ounces of gold (Proven and Probable – Dec 2012)

**Opened**
2011

**Employment**
285

**Notes**
Commercial production at the underground mine was declared on October 31, 2013. Underground production for 2014 is targeted to ramp up to 4,000 tonnes per day by the end of the year. Production at the mine is expected to increase to over 250,000 ounces in 2016.

Kidd Creek Mine
Glencore Xstrata Plc.
- zinc, copper, lead, silver, cadmium, indium, sulphuric acid
- underground

**Address**
11335 Highway 655 North, PO Box 2002
Timmins, ON P4N 7K1
Tel: (705) 266–5200
Fax: (705) 267–8709

**Website**
www.glencorexstrata.com

**Mine Manager**
Shannon Campbell

**Production Rate**
5,600 tonnes per day

**Production**
- 2010 – 52,568 tonnes copper, 86,084 tonnes zinc
- 2011 – 42,322 tonnes copper, 71,497 tonnes zinc
- 2012 – 34,400 tonnes copper, 78,100 tonnes zinc

**Reserves**
2,900,000 ounces of silver (estimated)

**Opened**
1966

**Employment**
1,100 employees, 165 contractors

**Notes**
2013 was the 50th anniversary of the discovery of Kidd Creek. On November 7, 1963, the deposit was drill intersected for the first time, uncovering a 600 foot section of copper-zinc mineralization that was open at depth. With production from approximately 9,500 feet below surface, Kidd Creek is the deepest base metal mine in the world and one of the largest and richest VMS deposits. Industrial synergies and cost savings from the integration of Glencore and Xstrata Zinc operations are expected to reach $70 million in 2014. The company’s Errington Vermilion project in Sudbury has the potential for volumes of 50,000 tonnes per day.

Lac des Iles Mine
North American Palladium Ltd.
- platinum group metals
- open pit
- underground

**Address**
PO Box 10547
Thunder Bay, ON P7B 6T9
Tel: (807) 448–2000
Fax: (807) 448–2001

**Website**
www.nap.com

**Mine Manager**
Hugh MacIsaac

**Production Rate**
6,500 tonnes per day

**Production**
- 2010 – 95,057 tonnes of palladium, 4,894 tonnes of platinum
- 2011 – 146,624 tonnes of palladium, 9,143 tonnes of platinum
- 2012 – 178,000 tonnes of palladium, 11,187 tonnes of platinum
- 2013 – 135,000 tonnes of palladium (revised guidance)

**Reserves**
8,883,000 tonnes at 4.21 g/t palladium, 0.44 g/t platinum, 0.29 g/t gold, 0.08% copper and 0.11% nickel (Proven and Probable – Dec 2012)

**Opened**
1993 open pit, 2006 underground

**Employment**
397 employees, 68 contractors

**Notes**
Lac des Iles is one of only two primary palladium mines in the world. A new shaft haulage system was commissioned in October 2013 with a capacity of 8,000 tonnes per day. In 2014, the company will focus on shaft haulage from the Offset zone and increase underground production from 3,000 tonnes per day to 5,000 tonnes per day by the end of 2014.

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Eric Mosley
Geologist, HBSc.
**McCreedy West Mine**

**KGHM International Ltd.**
• copper, nickel, palladium, gold
• underground

**Address**
23 McCreedy West Mine Road, PO Box 190
Levack, ON P0M 2C0
Tel: (705) 966–3021
Fax: (705) 966–3017

**Website**
www.kghminternational.com

**Mine Manager**
Roger Lichty

**Production Rate**
2,000 tonnes per day

**Production**
2010 – 2,200 tonnes copper, 350 tonnes nickel, 32,400 ounces precious metals
2011 – 2,405 tonnes copper, 1,300 tonnes nickel, 17,700 ounces precious metals
2012 – 1,300 tonnes copper, 1,600 tonnes nickel, 2,000 ounces precious metals
2013 – 900 tonnes copper, 998 tonnes nickel (as of June 2013)

**Reserves**
0.3 million tonnes ore average 1.92% copper, 0.32% nickel, 7.0 g/t platinum group metals and 1.0 g/t gold containing 5,900 tonnes copper, 90 tonnes nickel and 80,000 ounces of total precious metals (footwall deposit probable Dec 2010). Additional reserves are contained in the contact nickel deposit.

**Opened Employment Notes**
2003

**Notes**
A report filed for McCreedy in 2010 estimated that the end of the mine’s life would be in 2014, though this report may now be out of date. KGHM’s Podolsky Mine in Sudbury ceased production on March 28, 2013, as a result of ore depletion. The mine’s 90 workers were redeployed within KGHM resulting in zero layoffs.

---

**Sudbury Operations – Glencore**

**Fraser Mine, Nickel Rim South Mine**

**Glencore Xstrata Plc**
• nickel, copper, cobalt, platinum group metals, sulphuric acid
• underground

**Address**
6 Edison Road
Falconbridge, ON P0M 1S0
Tel: (705) 693–2761
Fax: (705) 966–6530

**Website**
www.glencorexstrata.com

**Production Rate**
1.5 million tonnes per year

**Production**
2010 – 15,472 tonnes nickel, 36,074 tonnes copper, 341 tonnes cobalt (copper and cobalt include third-party production)
2011 – 19,795 tonnes nickel, 47,533 tonnes copper, 344 tonnes cobalt
2012 – 20,425 tonnes nickel, 52,544 tonnes copper, 330 tonnes cobalt
2013 – 8,000 tonnes nickel, 20,800 tonnes copper, 100 tonnes cobalt (as of Jun 2013)

**Reserves**
16.5 million tonnes at 1.38% nickel, 1.92% copper, 0.03% cobalt (Proven and Probable – Dec 2012)

**Employment Notes**
Glencore Xstrata’s Sudbury Integrated Nickel Operations consist of two underground mines (Nickel Rim South and Fraser), a mill (the Strathcona Concentrator) and a smelter (the Sudbury Smelter). Nickel and copper are the primary metals; cobalt, gold, silver, platinum and palladium are also produced. In 2013, Xstrata Plc and Glencore International Plc completed a merger, forming Glencore Xstrata Plc. The merger created a $63 billion company that is the world’s fourth largest natural resources group.
### Copper Cliff North Mine
- **Mine Manager**: Dave Duncan
- **Production Rate**: 2,826 tonnes per day
- **Opened**: 1886

### Creighton Mine
- **Mine Manager**: Frank Demers
- **Production Rate**: 3,142 tonnes per day
- **Opened**: 1902

### Garson Mine
- **Mine Manager**: Brent Salem
- **Production Rate**: 2,195 tonnes per day
- **Opened**: 1907–1986; reopened 1994

### Coleman and McCready East Mine
- **Mine Manager**: Franco Cazzola
- **Production Rate**: 4,604 tonnes per day
- **Opened**: 1992

### Ellen Mine
- **Mine Manager**: Stu Waring, General Manager for Ontario Mining and Milling Operations
- **Opened**: 2010 reopened

### Tomclid Iron Mine
- **Manager**: John O'Shaughnessy
- **Production Rate**: 4,801 tonnes per day
- **Opened**: 1886

### Totten Mine
- **Mine Manager**: Bob Booth
- **Production Rate**: 2,200 tonnes per day (expected)
- **Opened**: 2014 (expected commercial production)

### Sudbury Operations – Vale

#### Copper Cliff North Mine, Creighton Mine, Garson Mine, Coleman and McCready East Mine, Ellen Mine, Stobie Mine, Totten Mine
- **Vale S.A.**
  - **nickel, copper, cobalt, platinum group metals, sulphuric acid, liquid sulphur dioxide**
  - **underground and open pit**

<table>
<thead>
<tr>
<th>Address</th>
<th>Copper Cliff, ON P0M 1N0 Tel: (705) 682–4211 Fax: (705) 682–5319</th>
<th><a href="http://www.vale.com">www.vale.com</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Production</td>
<td>35,000 tonnes per day (Clarabelle Mill capacity) 2010 – 22,400 tonnes nickel, 74,000 tonnes copper, 302 tonnes cobalt, 42,000 ounces of gold, 60,000 ounces palladium, 35,000 ounces platinum, 1.492 million ounces silver 2011 – 59,700 tonnes nickel, 101,000 tonnes copper, 593 tonnes cobalt, 182,000 ounces of gold, 248,000 ounces palladium, 174,000 ounces platinum, 2.535 million ounces silver 2012 – 65,500 tonnes nickel, 79,000 tonnes copper, 589 tonnes cobalt, 69,000 ounces of gold, 251,000 ounces of palladium, 134,000 ounces platinum, 2.012 million ounces silver 2013 – 51,000 tonnes nickel, 79,000 tonnes copper, 639 tonnes cobalt, 65,000 ounces of gold, 256,000 ounces of palladium, 102,000 ounces platinum, 1.401 million ounces silver (as of Sept 2013)</td>
<td></td>
</tr>
<tr>
<td>Reserves</td>
<td>97.9 million tonnes averaging 1.16% nickel, 1.48% copper, 0.04% cobalt, 0.80 g/t platinum, 1.00 g/t palladium, 0.40 g/t gold (Proven and Probable – Dec 2012)</td>
<td></td>
</tr>
<tr>
<td>Employment</td>
<td>Approximately 3,900 people working in Vale’s Sudbury Operations</td>
<td></td>
</tr>
<tr>
<td>Notes</td>
<td>Totten Mine is Vale’s first new nickel, copper and precious metals mine to open in the Sudbury Basin in 35 years. The mine represents a $760 million investment by Vale. It will create jobs for 150 people and have a lifespan of about 20 years.</td>
<td></td>
</tr>
</tbody>
</table>
Diamond Mine

Victor Diamond Mine

De Beers Canada Inc.

- diamond
- open pit

Address
119 Pine Street South, Suite 310
Timmins, ON P4N 2K3
Tel: (705) 268–0988
Fax: (705) 268–0179

Website
www.debeerscanada.com

Mine Manager
Rory Greyvensteyn

Production Rate
2.7 million tonnes ore annually

Production
2010 – 826,000 carats
2011 – 779,000 carats
2012 – 690,000 carats
2013 – 600,000 carats (annual capacity)

Reserves
Probable mineral reserves of 12.1 million tonnes averaging 0.19 carats per tonne

Opened
2008

Employment
420

Notes
The Victor is one of 18 kimberlite pipes discovered on the property, 16 of which are diamondiferous. De Beers is currently exploring the kimberlite at the Victor Extension seven kilometres northwest of the Victor Mine.
## Industrial Mineral Producers

### Blue Mountain Operations

**Unimin Canada Ltd.**
- **nepheline syenite**
- **open pit**

- **Location**: Methuen Township
- **Address**: PO Box 2000
  Havelock, ON K0L 1Z0
- **Contact**: (705) 877-2500
- **Employees**: 40

### Goderich Brine Field

**Sifto Canada Inc.**
- **salt in brine**

- **Location**: Goderich Township
- **Address**: Evaporation Plant
  PO Box 100
  245 Regent St.
  Goderich, ON N7A 3Y5
- **Contact**: (519) 524-8338
- **Employees**: 90

### Goderich Mine

**Sifto Canada Inc.**
- **rock salt**
- **underground**

- **Location**: Goderich Township
- **Address**: PO Box 370
  Golderich, ON N7A 3Y9
- **Contact**: (519) 524-8351
- **Employees**: 380

### Hagersville Mine

**CGC Inc.**
- **gypsum**
- **underground**

- **Location**: Oneida Township
- **Address**: PO Box 99
  Hagersville, ON N0A 1H0
- **Contact**: (905) 768-3331
- **Employees**: 40

### Mohawk Garnet Mine

**Mohawk Garnet Inc.**
- **garnet abrasive**
- **open pit**

- **Location**: Wahnapitae (near Sudbury)
- **Address**: 808 Hwy 17 East
  Wahnapitae, ON P0M 3C0
- **Contact**: (705) 694-5783

### North Williams Mine

**Extender Minerals of Canada Ltd.**
- **barite**
- **underground ramp**

- **Location**: North Williams Township
- **Address**: 106 Princess Margaret Blvd
  Etobicoke, ON M9B 2Z3
- **Contact**: (416) 231-0200
- **Employees**: 8 (seasonal)

### Ojibway Mine

**The Canadian Salt Company Limited**
- **rock salt**
- **underground**

- **Location**: Windsor - Sandwich Township
- **Address**: PO Box 7008
  200 Morton Drive
  Windsor, ON N9C 3Y7
- **Contact**: (519) 966-2142
- **Employees**: 140

### Penhorwood Mine

**IMERYS Talc**
- **talc**
- **open pit**
- **primary plant**
- **micronising plant**

- **Location**: Quarry and primary processing plant - Penhorwood Township
  Micronising Plant - Timmins
- **Address**: 100 Water Tower Road
  Timmins, ON P4N 7J5
- **Contact**: (705) 268-2208
- **Employees**: 40

### St. Lawrence Mine

**Canadian Wollastonite**
- **wollastonite**
- **open pit**

- **Location**: Seeleys Bay (Kingston)
- **Address**: 6675 Hwy 15
  Seeleys Bay, ON K0H 2N0
- **Contact**: (613) 387-2734

### Tatlock Quarry

**OMYA (Canada) Inc.**
- **calcium carbonate**

- **Location**: Tatlock Quarry - (Darling Township)
  Plant - Perth
- **Address**: PO Box 245
  Perth, ON K7H 3E4
- **Contact**: (613) 287-5367
- **Employees**: 400

### Windsor Brine Field

**The Canadian Salt Company**
- **salt in brine**

- **Location**: Windsor - Sandwich Township
  Evaporation Plant
- **Address**: PO Box 7008
  30 Prospect Avenue
  Windsor, ON N9C 3Y7
- **Contact**: (519) 255-5404
- **Employees**: 92
## Gemstone and Mineral Specimen Mines and Quarries

### Producers: Amethyst Mine Panorama
- **Precious Purple Gemstones/Amethyst Gift Centre**
  - Steve & Tim Lukinuk
  - 400 Victoria Avenue East
  - Thunder Bay, ON P7C 1A5
  - (807) 622-6908
  - [www.amethystmine.com](http://www.amethystmine.com)

  - **Products:**
    - specimens
    - decorative stone
    - landscaping stone
    - slabbing & tumbling stone
    - jewelry, giftware, carvings
    - faceted gem stones
  - **McTavish Twp. Tourist Attraction**
  - **General Information:**
    - **Tourist Attraction**
    - **pick-your-own-site**
    - **mine tours**
    - **8 employees**

### Producers: AquaRose Gems and Minerals
- **Beryl Pit/Rose Quartz Pit**
  - Dave Patterson
  - 1327 Lower Craigmont Road
  - RR 2, Combermere, ON
  - P0T 2M0
  - (613) 756-1361
  - [aquirerose@nexicom.net](mailto:aquirerose@nexicom.net)

  - **Products:**
    - mineral specimens
    - decorative stone
    - landscaping stone
    - slabbing & tumbling stone
    - quartz, feldspar, 35 accessory minerals in a complex pegmatite
  - **Lyndoch Twp. Tourist Attraction**
  - **General Information:**
    - **fee for collecting site**
    - **mine tours**

### Producers: Bear Lake Diggings
- **Bancroft Chamber of Commerce**
  - PO Box 539
  - Bancroft, ON K0L 1C0
  - (613) 332-1513

  - **Products:**
    - mineral specimens
    - apatite, hornblende, titanite, feldspar, etc.
  - **Monmouth Twp. Tourist Attraction**
  - **General Information:**
    - **pick-your-own site**
    - **museum, gift shop**
    - **geologist guided tours**

### Producers: Blue Points Amethyst Mine
- **Lyndon Swanson**
  - #5 Road North
  - Pearl, ON P0T 2M0
  - (218) 226-3147 (winter)
  - lynswan@lakenet.com

  - **Products:**
    - specimens
    - decorative stone
    - aquarium stone
  - **McTavish Twp. Tourist Attraction**
  - **General Information:**
    - **pick-your-own-site**

### Producers: Boulder Creek Amethyst Quarry
- **Chuck Anderson**
  - 27 Third Street
  - Nipigon, ON P0T 2J0
  - (807) 887-2615

  - **Products:**
    - specimens
    - giftware
  - **McTavish Twp. Tourist Attraction**
  - **General Information:**
    - **1 employee**

### Producers: Canadian Shield Amethyst Mine
- **Jerry Blakely**
  - PO Box 585
  - Nipigon, ON P0T 2J0
  - (807) 887-3677

  - **Products:**
    - specimens
    - decorative stone
    - landscaping stone
  - **McTavish Twp. Tourist Attraction**
  - **General Information:**
    - **2 employees**

### Producers: Pearl Lake Amethyst Mine
- **Bill Richardson**
  - Pass Lake, ON P0T 2M0
  - (807) 622-6834

  - **Products:**
    - specimens
    - cluster specimens
    - decorative stone
    - landscaping stone
  - **McTavish Twp. Tourist Attraction**
  - **General Information:**
    - **1 employee**

### Producers: Princess Sodalite Mine
- **Andy Christie**
  - Rock Shop and Rock Farm
  - 31241 Highway 28 East
  - Bancroft, ON K0L 1C0
  - (613) 332-8274

  - **Products:**
    - specimens
    - decorative stone
    - swimming stone
    - jewelry
  - **Bancroft Tourist Attraction**
  - **General Information:**
    - **4 employees**

### Producers: Purple Haze Mine
- **Michael & Sandra Grieve**
  - 22 Knight Street
  - Thunder Bay, ON P7A 5M2
  - (807) 345-6444
  - [www.purplehazeamethyst.ca](http://www.purplehazeamethyst.ca)

  - **Products:**
    - specimens
    - giftware
    - jewelry
    - landscaping stone
    - decorative stone
  - **Bancroft Tourist Attraction**
  - **General Information:**
    - **4 employees**

### Producers: Windy Ridge Amethyst Quarry
- **Larry Kowtuski**
  - 71 Stover Street South
  - Norwich, ON N0J 1P0
  - (519) 588-3205
  - [www.windyridgeamethyst.ca](http://www.windyridgeamethyst.ca)

  - **Products:**
    - specimens
    - giftware
    - garden rock
  - **Bancroft Tourist Attraction**
  - **General Information:**
    - **1 employee**

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**Sample Core IP Tester**

- **To measure chargeability and resistivity**
- **Get information that you need to design an appropriate geophysical survey**
- **Relate DDH core to ground IP surveys**
- **Easy to use**
- **Portable**
- **Inexpensive**
- **Confirm rock / ore properties**

**GDD INC.**

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Phone: +1 418-877-4249
Fax: +1 418-877-4054
E-mail: gdd@gdd.ca
Web Site: www.gdd.ca

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**Ontario Mining and Exploration Directory 2014**

**Premier Gold Mines Limited**

[Toll Free: 888-346-1390](tel:+18883461390)

**Proven Management Team**

**Proven Gold Districts**

**Safe Mining Jurisdictions**

[www.premiergoldmines.com](http://www.premiergoldmines.com)
Lime and Specialty Limestone Producers

Beachville Operations
Carmeuse Lime (Canada) Limited
• limestone: agricultural lime, crushed
• high calcium lime
• hydrator
Location Zorra Township
Address PO Box 190
Ingersoll, ON N5C 3K5
Contact (519) 423-6283

Blair Quarry
A.L. Blair Construction Ltd.
• limestone: agricultural lime, crushed
Location Finch Township
Address Moose Creek, ON K0C 1W0
Contact (613) 538-2271

Bucke Quarry
Miller Minerals (Division of Miller Paving Co.)
• limestone: crushed, agricultural lime
• lime: neutralizing agent, metallurgical flux
Location Bucke Township
Address PO Box 248
New Liskeard, ON POJ 1P0
Contact (705) 672-2282

Dundas Operations
Carmeuse Lime (Canada) Limited
• dolomitic lime
Location Town of Flamborough
West Flamborough Township
Address 600 Highway 5/Gate 1 Bld 13
PO Box 2029
Hamilton, ON L8N 3S9
Contact (905) 628-8800

Dundas Quarry
Lafarge Canada Inc.
• dolostone: crushed
Location Town of Flamborough
West Flamborough Township
Address 628 Highway 5
Dundas, ON L9H 5E2
Contact (905) 527-3671

Meldrum Bay Quarry
Lafarge Canada Inc.
• dolostone: crushed
• metallurgical and chemical stone, aggregate
Location Dawson Township, Manitoulin Island
Address General Delivery
Meldrum Bay, ON POJ 1R0
Contact (705) 283-3011

Northern Operations
Carmeuse Lime (Canada) Limited
• high calcium lime
Location Blind River
Address Hwy 11 East
Box 1690
Blind River, ON POJ 1B0
Contact (705) 849-2201

Sydenham Quarry
E.C. King Contracting Division of Miller Paving
• dolostone: crushed
• dolomitic lime
Location Sydenham Township
Address 2125 20th Avenue East
PO Box 457
Owen Sound, ON N4K 5P7
Contact (519) 376-6140

GEOPHYSICAL SERVICES
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