

# Gold-Au

## Investment Opportunities NORTHWEST TERRITORIES

Government of  
Northwest Territories

November 2017

Gold is among the most useful of metals; it conducts electricity, does not tarnish, is very easy to work, and alloys with other metals. The Northwest Territories is famed for its deposits of gold, often hosted in quartz veins in Archean volcanic rocks such as the Yellowknife Greenstone Belt and associated with shear zones in the Slave Structural Province.

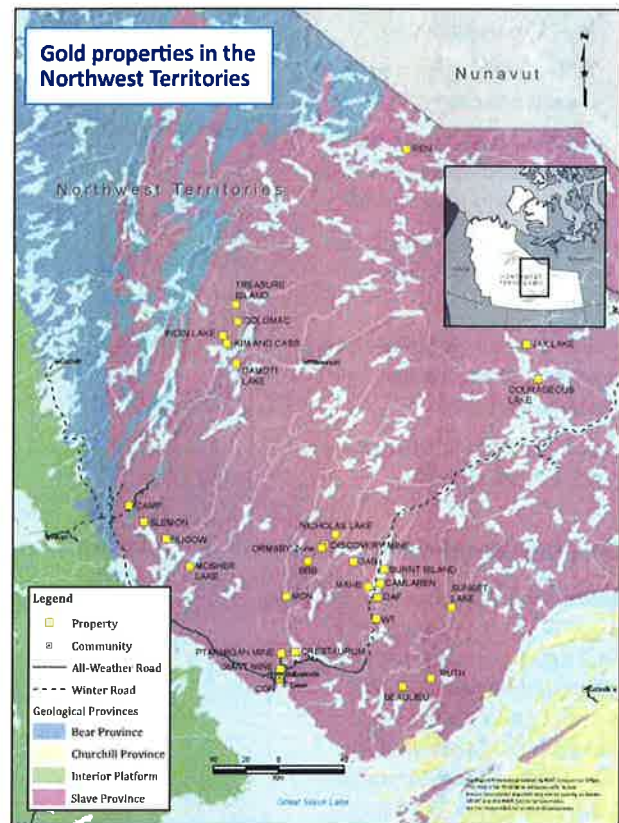
The Con and Giant mines are examples of this type of host. Together, they produced some 12 million ounces of gold over a mine-life of close to 70 years. The Discovery Mine, north of Yellowknife, produced one million ounces from one million tonnes of ore.

Other known gold deposits are found in folded Archean banded iron formations, (Damoti) and quartz-sulphide veins within a granodiorite plug (Nicholas Lake).

### Current Activity

Extensive exploration is under way across the NWT. Several past producing mine properties and their environs are being explored. Seabridge Gold Inc. has defined reserves at Courageous Lake, Nighthawk Gold Corp. is exploring around Colomac, and TerraX Minerals Inc. is exploring the Yellowknife City Gold Project (which hosts past-producers Crestaurum and Burwash Mines).

In addition, there is considerable exploration, drilling and sampling both north and south of Yellowknife, where gold was first located in the 1930s, and many mines, both large and small, began operation.





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## Uses

- Gold is used in clean and green technology.
- Gold is usually alloyed with other metals, commonly copper.
- Gold is a coating on aircraft windows and thin gold films protect spacecraft and office towers from infrared rays.
- Gold is used in connectors, switch contacts and connecting wires.
- Computer cable fittings contain gold and small amounts of nickel or cobalt to increase durability.
- A small amount of gold is used in cell phones, GPS units and television sets.
- Gold is used in medicine to seal wounds, to treat arthritis, and in laser surgery tools.
- Gold is used in auto airbag deployment systems.

## Business case

Gold is prized for its scarcity, and the NWT has high potential for future gold mines. There's a long history of scientific study and previous exploration records, and assessments are available from the Northwest Territories Geological Survey. The key is to locate or assemble properties that indicate a very large deposit of gold.

## Prospects

Name	Owner	Resource Category <sup>1</sup>	Total Resource tonnes (t); million tonnes (Mt)	Grade grams per tonne (g/t)
Bugow	Silver Range Resources (optioned to Rover Metals Corp.)	~	70,000t	10.29g/t
Gab	Aurora Geosciences	~	27,215 t	10.63 g/t
Camp	Crown Land	~	46,400/N Zone 11,840t S Zone	13.70/ 12.00 g/t
Slemon	Crown Land	~	31,751 t	6.80 g/t
Discovery Mine	GoldMining Inc.	~	206,897 t	22.62 g/t
Nicholas Lake	GoldMining Inc.	Meas + ind	1.109 Mt	6.87 g/t
Ormsby Zone	GoldMining Inc.	Meas	7.339 Mt	1.59 g/t
Mosher Lake	Lane Dewar/ M.Magrum/T.Teed	~	500,765 t	2.81 g/t
Ren	Lane Dewar/ Mike Magrum	~	1.8 Mt	10.00 g/t
Mon	New Discovery Mines	PP	10,070 t	10.00 g/t (recov)
Damoti	Nighthawk Gold Corp.	Meas + ind	40,600 t	26.17 g/t
Colomac	Nighthawk Gold Corp.	inf	36.973 Mt	1.65 g/t
Treasure Island	Nighthawk Gold Corp.	~	105,400 t	14.09 g/t
Indin Lake	Nighthawk Gold Corp.	~	214,000 t	16.46 g/t
Jax Lake	Crown Land	~	36,287 t	14.10 g/t
Kim and Cass	Pine Cliff Energy Ltd.	~	448,950 t	7.37 g/t
Courageous Lake	Seabridge Gold Inc.	Prv; Prb	12.3 Mt/Prv 78.8 Mt/Prb	2.41 / 2.17 g/t
Mahe	Silver Pursuit Resources	~	156,840 t	17.28 g/t
Crestaurum	TerraX Minerals Inc.	~ind + inf	145,150 t	7.54 g/t
Daf	Walter Humphries	~	3,500 t	30.40 g/t

<sup>1</sup> indicated (ind); inferred (inf); Measured (Meas); Proven Reserve (Prv); Probable Reserve (Prb); Historic (NI 43-101 non-compliant)(~); Past Production mined (PP);

This publication is produced by the Department of Industry Tourism and Investment (ITI). The Northwest Territories has one of the most diverse geological environments of any jurisdiction in Canada, one that includes the oldest rocks in the world and geological features that have resulted from modern and ongoing processes. The Northwest Territories Geological Survey (NTGS) surveys, collects, analyzes and makes available public geoscience information gathered from a variety of sources, including information on mineral deposits and geology. NTGS, ITI and the NWT and Nunavut Chamber of Mines host the Yellowknife Geoscience Forum each year in November: [www.geoscienceforum.com](http://www.geoscienceforum.com)

For more information about these deposits, please refer to Guide to Selected Mineral Deposits of the Northwest Territories [www.iti.gov.nt.ca/en/files/guide-mineral-deposits-northwest-territories](http://www.iti.gov.nt.ca/en/files/guide-mineral-deposits-northwest-territories)

[www.nwtgeoscience.ca](http://www.nwtgeoscience.ca)

[www.iti.gov.nt.ca](http://www.iti.gov.nt.ca)

Please visit company websites for latest information.

Note: Discrepancies in the numbers may differ from published reports due to rounding.