



NWT GEOSCIENCE OFFICE

NORTHWEST TERRITORIES  
**GEOSCIENCE  
OFFICE**

RESEARCH • ANALYSIS • INFORMATION



TESSA MACINTOSH

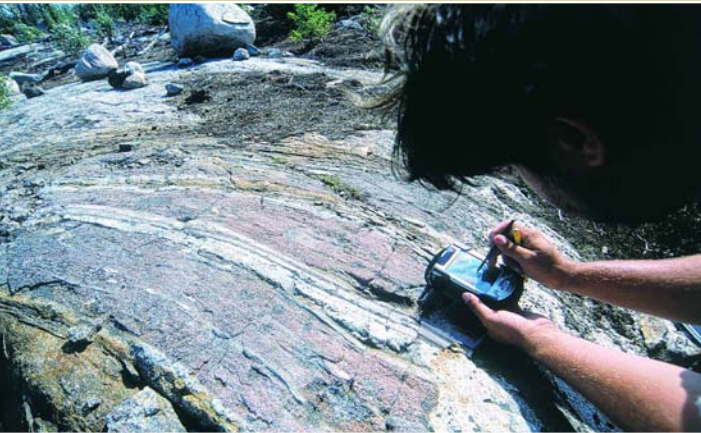
## SERVICES

The geoscience office maintains:

- a comprehensive geological library
- an archive of mineral exploration assessment reports
- a selection of digital and raster petroleum-related data
- a diamond drill core collection
- a database of mineral showings and associated reference metadata
- web-accessible maps and reports
- data compilations from industry reports

The office provides analysis, information and advice to individuals, communities, governments and the mining and petroleum industries, based on:

- regional bedrock mapping
- mineral deposit studies
- petroleum geology
- mineral and petroleum resource assessments
- GIS and remote sensing
- development and application of digital mapping tools
- community outreach and educational initiatives



DAVID WATT PHOTOGRAPHY

*The Northwest Territories Geoscience Office (NTGO), in collaboration with our partners, advances geoscience knowledge of the Northwest Territories for the benefit of Northerners. We do this through the delivery of geoscience research, analyses of mineral and petroleum resources, and by offering excellence in digital data management.*

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





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## **MINERALS & BEDROCK MAPPING**

The Minerals and Bedrock Mapping Group delivers a program that includes:

- bedrock mapping
- deposit-scale studies of metallic minerals and gemstones

These projects are commonly integrated with research undertaken in partnership with the Geological Survey of Canada and/or universities, including:

- igneous and metamorphic petrologic studies
- isotope analyses
- regional aeromagnetic surveys
- structural interpretations
- surficial mapping
- regional geochemical surveys

## **PETROLEUM GEOLOGY**

The Petroleum Geoscience Group focuses on research related to oil and natural gas bearing rocks in the NWT, and offers:

- variable scale hydrocarbon analyses
- NWT-wide compilations
- seismic interpretations



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## RESOURCE ASSESSMENTS

Resource assessments are informed evaluations of mineral and petroleum potential based on available geoscientific information. At NTGO, two types of resource assessments are carried out:

Non-renewable resource assessments, supporting:

- NWT Protected Areas Strategy (PAS)
- NWT land claims
- development of land use plans in settled claims areas

Mineral and Energy Resource Assessments, supporting the development of:

- National Parks
- Marine Protected Areas



LIZ GILBERT, DIAND

## CONTACT INFORMATION

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Archives are open to the public:

Monday - Friday:

8:30 am - 12:00 pm

1:00 pm - 5:00 pm

Visit our website:

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



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