
Ontario's Geological Data

**A Wealth of Information
Accessible to You**

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**Ministry of Northern
Development and Mines**

ONTARIO
CANADA



Ontario's Geological Data — A Wealth of Information Accessible to You



- Ontario's Precambrian Shield rocks host gold and base metal deposits that rank among the best in the world.
- Reliable data is the foundation of smart investment decisions.
- The Ontario Geological Survey (OGS) has been collecting and publishing preliminary exploration data for the past 120 years.
- This data and knowledge supports the mineral sector in Ontario by facilitating informed decision making.



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How is the Data Discovered and Distributed?

- Data is downloaded free without registration.
- GeologyOntario — online warehouse of geoscience data. Two methods of text based searching.
- OGSEarth — utilizes the power and functionality of Google Earth to display and deliver geoscience data. Geospatial based searching.
- Map and Report Indexes
- Publications Release Notice
- CLAIMaps and Mining Claims Information — Land Tenure online.



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Geology Ontario

The Geology Ontario search page allows the user to search several databases and search within PDF documents.

These databases include:

- Assessment Files (AFRI)
- OGS Publications
- Mineral Deposits and Occurrences (MDI)
- Litho geochemistry records (LGC)
- Drill Hole records (DH)
- Abandoned Mine sites and hazards (AMIS)

NOTE:

The search tool will be changing in the near future. The current page is not accessible to people with disabilities and must change to meet compliance with the Accessibility for Ontarians with Disabilities Act.



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Ministry of Northern
Development and Mines

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Location: [Ministry Home](#) > [Mines and Mineral Division](#) > [Geology Ontario](#) >

View GeologyOntario Products

Launch:
[OGSEarth](#)



Help

- [GeologyOntario Help Files](#)
- [Order GeologyOntario Products](#)

Geology Ontario

Overview

[Terms of Use](#)

[Terms of Use \(Français\)](#)

The GeologyOntario Web site will be undergoing a significant change in June 2016. As a result of hardware upgrades and the requirement for the site to be compliant with the *Accessibility for Ontarians with Disabilities Act (AODA)*, the search functionality will be simplified.

This affects all databases.

Further information on these changes and the use of the new site will be provided at a later date. If you have any questions, please contact the [Publications Services Unit](#).

Please note that geoscience and mineral exploration data collected by the Mines and Minerals Division can be viewed spatially using the OGSEarth application (www.ontario.ca/ogsearth).

NOTICE: Clients may experience problems using Internet Explorer when using our search tools. Please try your search using the latest Chrome or Firefox browser..

We are committed to providing [accessible customer service](#). If you need accessible formats or communications supports, please [contact us](#).

Search Database

[Assessment Files](#)

[Ontario Geological Survey Publications](#)

[Mineral Deposits and Occurrences](#)

[Mineral Deposit Inventory \(MDI\)](#)

[Litho geochemistry Records](#)

[Drill Hole Records](#)

[Abandoned, Inactive Mine Sites and Mine Hazards](#)

[Abandoned Mines Information System \(AMIS\)](#)

Search the text within PDF documents of:

[Assessment Files](#)

[Ontario Geological Survey Publications](#)

Database

[Description Download](#)

[Description](#)

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Geology Ontario example: Assessment File search

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HOME | MINES AND MINERALS | NORTHERN DEVELOPMENT | NEWS | SITE MAP | CONTACT US

Location: [Ministry Home](#) > [Mines and Mineral Division](#) > [Geology Ontario](#) > [Search AFRI](#) >

Where?

Ontario Or

Or locate your area here

Data must fall completely inside area
 Sort by Area

What?

AFRI File No. / AFRO File No.:
Select Query Method ▾

Township/Area Name:
Select Query Method ▾

NTS Area No.:
Select Query Method ▾

Resident Geologist District:
Select Query Method ▾

Mining Division:
Select Query Method ▾

Work Type:
Select Query Method ▾

Claim Holder/Performed For/Author:
Select Query Method ▾ Year: _____

From: _____ To: _____

Where?
This part
of the
web tool
does not
work

What?
This part
of the
web tool
does work

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OGS Earth

- The Ontario Geological Survey (OGS) has utilized the power and functionality of Google Earth as a tool for geoscience data display and delivery.
- Data portrayed within the OGSEarth layers has rich attribute features with links to more detailed attributes and full GIS datasets in the GeologyOntario Data Warehouse.

Potential Uses for OGSEarth

- Prospecting; mineral exploration and development; resource planning; land use planning.
- Sourcing other OGS products through index maps and catalogues linking to the free data.
- Geological and geographic teaching aid.



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Why Google?

- It is a geospatial based search and display tool which can be more intuitive when searching or displaying data.
- Simplicity, no GIS Experience Needed: non-technical users can easily use sophisticated GIS data
- Accessibility, with web based delivery access is provided to OGS geoscience goods and services in a form that meets client needs.
- Ontario's geoscience portfolio is critical to supporting a wide-range of interests including mineral investment and economic opportunities, health and safety decisions, and a resource for information to determine environmental and land-use planning decisions.
- The Google Earth platform can be an essential tool to educate the public about Ontario's Geology and Geoscience Datasets. It can help to raise awareness about geoscience value and relevance
- Free



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Available OGS Earth Data Sets

Provincial Scale

- Abandoned Mines
- Activity Report-Mineral Exploration (RGP)
- Aggregate Test Results
- Aggregate Resources
- Assessment Files
- Bedrock Geology
- Drill Holes
- Elevation
- Geoscience Theses
- Geotechnical Boreholes
- Gravity & Aeromagnetic Data
- Mineral Deposits (MDI)
- Mining Claims
- Precambrian Bedrock Magnetic Susceptibility Database
- Quaternary Geology

Administration

- Administrative Boundaries & Spatial Reference Grid

Southern Ontario

- 3D Mapping of Surficial Aquifers
- Ambient Groundwater Geochemistry
- Bedrock Topography & Overburden Thickness
- Karst
- Paleozoic Geology
- Physiography
- Stream Sediment Geochemistry Survey
- Surficial Geology

Northern Ontario

- Far North Predictive Mapping
- Geology Terrain (NOEGTS)
- Rhyolite Occurrences

Indexes to Maps and Data

- Aggregate Resources
- Geological Maps and Digital Data
- Geophysical

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Map and Publication Indexes

The *Indexes of Maps* represent more than 100 years of geologic mapping by the Mines and Minerals Division, the Ontario Geological Survey (OGS) and its predecessor organizations.

The index maps cover the period from 1891 to 2015. They are updated at the beginning of the year. They are available in PDF format.

The *Indexes of Publications* are available as Miscellaneous Paper (MP) 177, "*Index to Published Reports and Maps*" and MP 178, "*Geographic Index to Published Reports, Maps & Digital Data*".

The MP's are available in PDF format and each is comprised of a main report and two supplements. Each covering specific time periods.

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Publications Release Notices

The Ontario Geological Survey regularly publishes maps, reports and digital data on Ontario's geology. The Publications Release Notice identifies upcoming publications one week prior to their release. Links to the Publications download folder are included. Maps and reports in hard-copy (paper) format and digital data sets available on physical media (CD or DVD) can be purchased from the Publication Sales office.

To automatically receive the Publications Release Notice by email, subscribe to the distribution list by contacting Publication Sales (pubsales.ndm@ontario.ca).

Occasionally errors (errata) are found within publications.

A list of publications with errata is available on the Errata (ontario.ca/cxq4) web page.

Publications Release Notice — August 9, 2016

Posted: July 29, 2016

Mines and Minerals Division: Ontario Geological Survey Publications Release Notices (new)

The following publications are being released on August 9, 2016, at 10:00 a.m. Eastern Time, or 9:00 a.m. Central Time, unless otherwise indicated. Our next scheduled publications release is October 4, 2016. To automatically receive the Publications Release Notice by email, subscribe to the distribution list by contacting [Publication Sales](#).

Maps and reports in hard-copy (paper) format and digital data sets available on physical media (CD or DVD) can be purchased from the [Publication Sales](#) office. Publications can be downloaded for free from the [GeologyOntario](#) application or by following the links provided in this release notice. In cases where the file size is prohibitive for downloading, please contact the [Publication Sales](#) office to obtain the data on physical media (CD for \$20.00; DVD for \$25.00).

Prices listed in this Release Notice apply to hard-copy versions only and are subject to change without notice. The prices given in a particular release notice are guaranteed only for a period of 1 month following the date of the release.

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 - ▶ 1.5. Geophysics
- ▶ 2. Errata

Earth Resources and Geoscience Mapping Section

Precambrian Geology – Northeastern Ontario

[Miscellaneous Release—Data 339](#)

Gold Mineralization in the Missanabie–Renabie District of the Wawa Subprovince: Geochemical Data and Photographs; by J.A. McDivitt. This digital release contains field photographs, whole-rock geochemical data and assay data collected as part of the author's MSc thesis work during the summers of 2014 and 2015. The study was supported through the Ontario Geological Survey and the Mineral Exploration Research Centre of Laurentian University through the Ontario Geological Survey–Laurentian University Graduate Mapping School Agreement. This release comprises 25 images (as *.jpg* and *.tif* files), 1 Microsoft® Excel® 2010 (*.xlsx*) file and 3 documents in portable document format (*.pdf*). The data are available on 1 CD. \$20.00.

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Links to available data

- A wealth of Geoscience data is available to the exploration and mining industry; free and online!
- GeologyOntario ontario.ca/geology
- OGSEarth ontario.ca/ogsearth
- Map Indexes ontario.ca/cxq5
- Publication Indexes ontario.ca/cxq6
- Publications Release Notices ontario.ca/cxq7
- CLAIMaps ontario.ca/claimaps
- Mining Claim Information ontario.ca/miningclaiminformation
- Questions and Assistance alphons.evers@ontario.ca