

Ontario Geological Survey (OGS)

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Outline

- Overview of the Ontario Geological Survey
- Applications of Geoscience
- Project proposals



What is the Ontario Geological Survey?

- Provide accurate and objective geoscience data, information, and knowledge, including geological Earth resources (minerals, metals, aggregates, groundwater, energy), to support and inform decision making
- Provide free accessible data through maps, reports, data releases, etc.
- The Ontario Geological Survey celebrated its 125th anniversary in 2017
- ~115 employees across Ontario

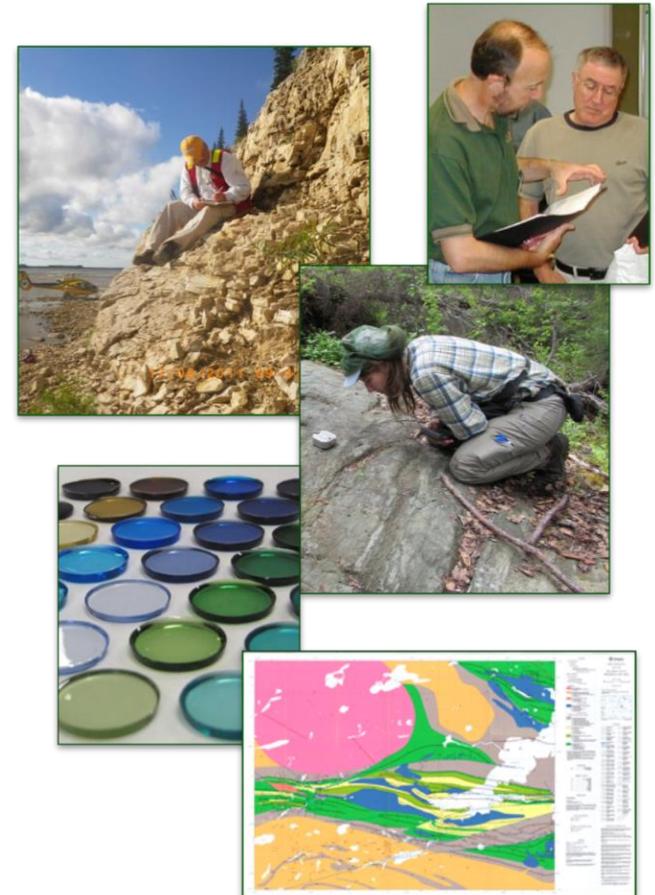


What OGS Does

- OGS collects information about the geology of Ontario & makes it available to the public.
- OGS provides expert knowledge about the geology of the province.
- OGS work is conducted across the province from Fort Severn to Windsor.

What OGS Doesn't Do

- OGS doesn't do mineral exploration and is not involved in mining.
- OGS doesn't have regulatory authority.
- OGS doesn't comment on legislation, regulations and policies outside the topic of geology and geoscience.



Ontario Geological Survey

**Resident
Geologist
Program**



**Earth Resources
& Geoscience
Mapping Section**

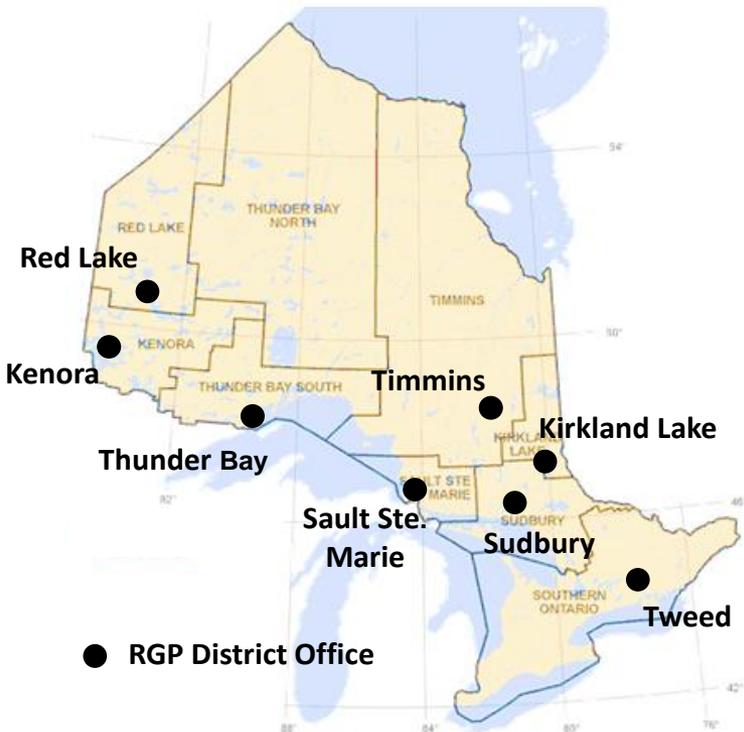
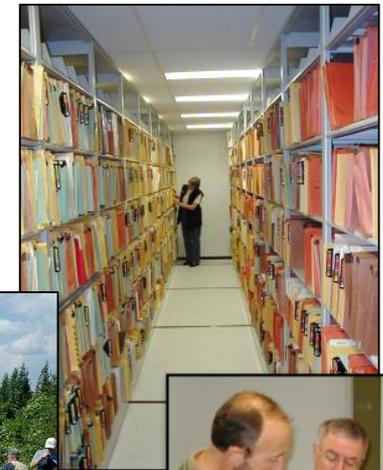


**GeoServices
Section
(Publication, Labs)**

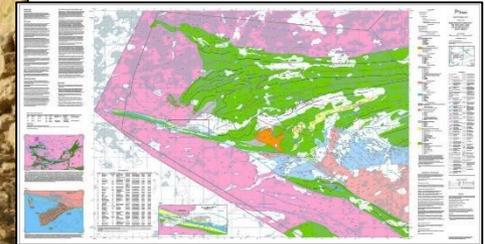
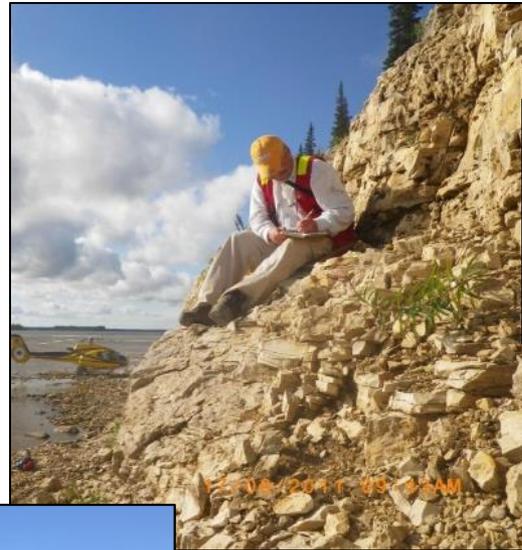


Resident Geologist Program

- Local experts
- Field trips and field visits
- Prospector training
- Geoscience resources



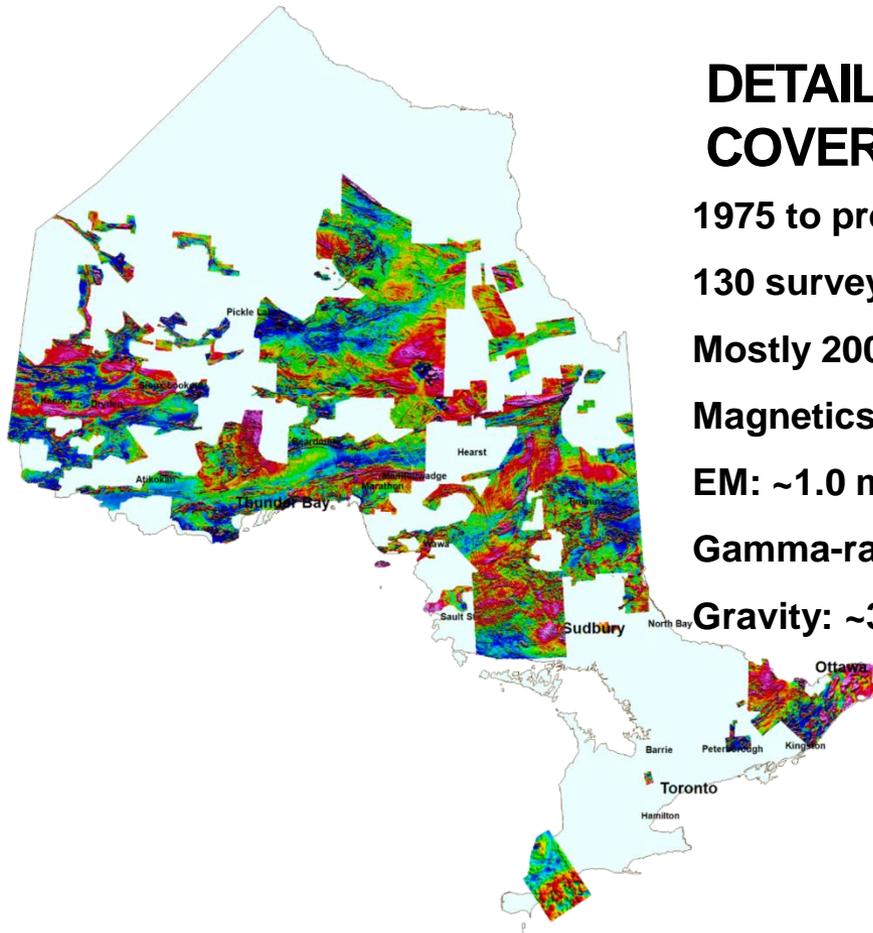
Earth Resources & Geoscience Mapping Section: Field Mapping



Earth Resources & Geoscience Mapping Section: Field Sampling



Earth Resources & Geoscience Mapping Section: Geophysical Survey



DETAILED SURVEY COVERAGE

1975 to present

130 surveys

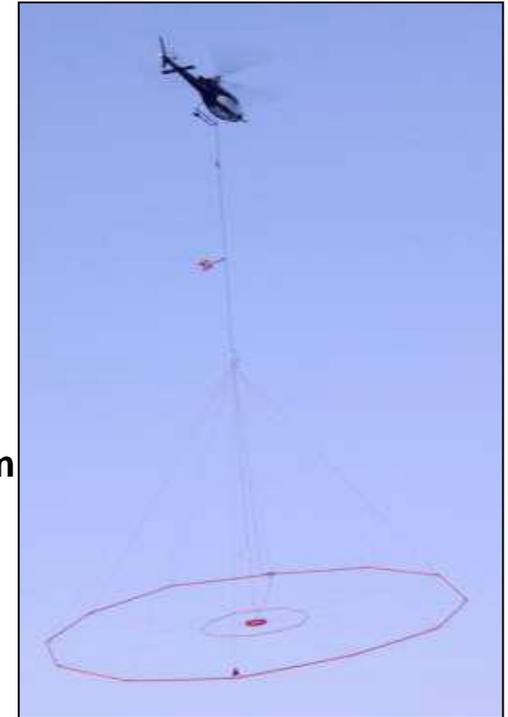
Mostly 200m line spacing

Magnetics: ~2.5 million line-km

EM: ~1.0 million line-km

Gamma-ray: ~700,000 line-km

Gravity: ~37,500 line-km



Geoservices Section

- Geoscience Laboratories

- Publication services, library and archives



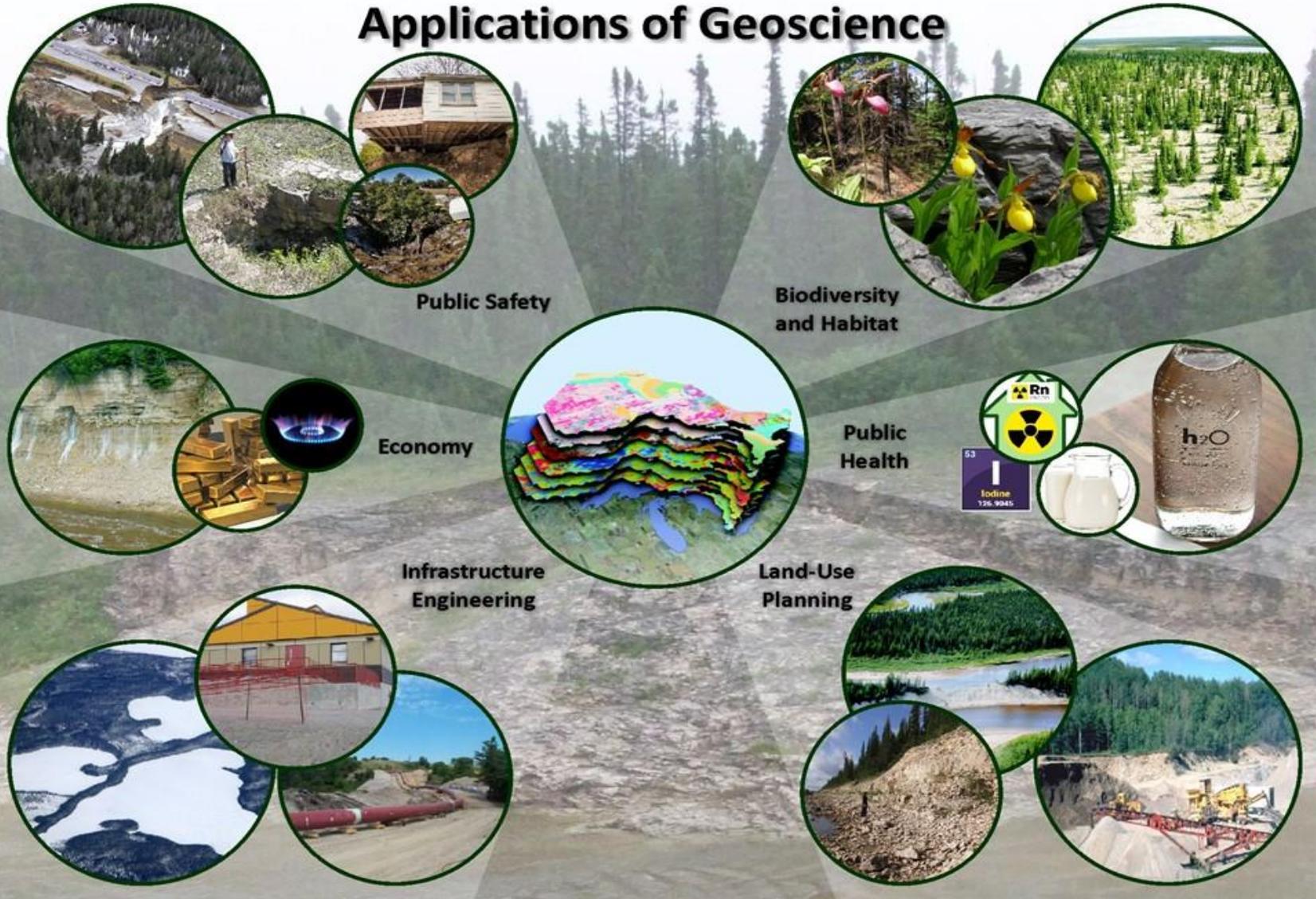
What is Geoscience?



Study of the Earth, Earth resources, and geological processes. Including the study of Earth's minerals, soil, water and energy resources.



Applications of Geoscience



Applications of Geoscience

Public Safety



Applications of Geoscience

Biodiversity and Habitat



Applications of Geoscience

Public Health



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Applications of Geoscience

Land-Use Planning



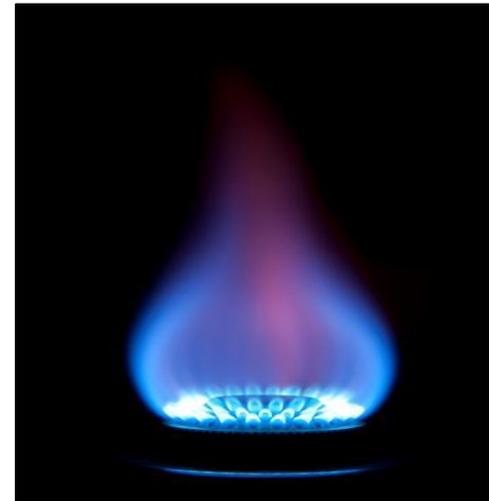
Applications of Geoscience

Infrastructure and Engineering



Applications of Geoscience

Economy



Project Proposals

- Every year (October to December)
- Proposals received from OGS staff, external organizations, First Nations communities, universities
- Mutual interests/shared priorities are developed into projects based on OGS activities
- All proposals evaluated against selection criteria
- Projects based on evaluated proposals, available resources and commitments
- Planning results formulate a 5 year program plan

Commonly support about 60-70 active projects annually which includes:

- Field projects
- Projects that support graduate thesis work with a variety of universities
- Collaborations with other government ministries; the federal geological survey; Indigenous communities/organizations; conservation authorities; municipalities; cities; and universities, etc.

Questions?