Mineral showings, petroleum wells and generalized geology of parts of the South Slave and North Slave regions, Northwest Territories

Government of Northwest Territories

Principal Commodity

Precious Metals
- Gold
- Platinum
- Silver

Base Metals
- Cobalt
- Copper
- Lead
- Nickel
- Tin
- Tungsten
- Zinc

Other Metals
- Beryllium
- Bismuth
- Cerium
- Chromium
- Iron
- Lithium
- Manganese
- Molybdenum
- Niobium
- Rare Earth
- Tantalum
- Thorium
- Uranium
- Vanadium

Industrial Materials
- Asbestos
- Barium
- Building stone
- Carving stone
- Exotic stone
- Fluorine

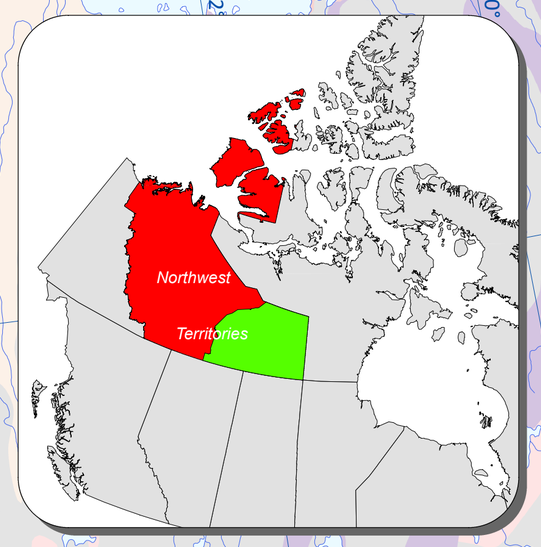
Semi-Precious Gems
- Amethyst
- Beryl
- Cordierite

Precious Gems
- Diamond

Well Status
- Drilled and abandoned

Roads
- Paved, all season
- Unpaved, all season
- Unpaved, winter

- Territorial border
- Geological faults
- Area of interest
- Communities



Nunavut

Northwest Territories

Saskatchewan

Alberta

Wekweètì
Ndilo
Yellowknife
Detah
Łutselk'e
Fort Resolution
Fort Smith
Great Slave Lake

Data for this poster were derived or modified from the following sources:

Department of Transportation, 2015. Winter Road Season

GeoBase, 2015. http://www.geobase.ca

National Energy Board, 2015. 444 Seventh Avenue S.W. Calgary, Alberta T2P 0X8 http://www.neb.gc.ca (via geoLOGIC Systems - GeoScout software)

NORMIN.DB, 2015. Database of mineral showings for the Northwest Territories; Northwest Territories Geological Survey, P.O. Box 1320, 4601-B 52nd Ave, Yellowknife, NT. X1A 2L9 http://www.nwtgeoscience.ca/

Northwest Territories Centre for Geomatics, 2017. Shared Services Centre for Lands, Environment and Natural Resources, Industry, Tourism and Investment, 2nd Floor Gallery Building, 4923 – 52nd Street, Yellowknife, NT. X1A 3S8 http://www.geomatics.gov.nt.ca/

Okulitch, A. V. and Irwin, D., 2016. Geological compilation of the western mainland and Arctic Islands of the Northwest Territories; NorthwestTerritories Geological Survey, NWT Open File 2016-09, ESRI® digital files.

Okulitch, A. V. and Irwin, D., 2014. Geological compilation of the western mainland and southern Arctic Islands regions, NorthwestTerritories; Northwest Territories Geological Survey, NWT Open File 2014-01, ESRI® digital files.

Stubley, M.P., 2005, Slave Craton: interpretive bedrock compilation; Northwest Territories Geoscience Office, NWT-NU Open File 2005-01.

Pehrsson, S.J., Currie, M., Ashton, K.E., Harper, C.T., Paul, D., Pana, D., Berman, R.G., Bostock,H., Corkery, T., Jefferson, C.W., and Tella, S., 2014. Bedrock geology compilation south Rae and western Hearne Provinces, Churchill Province, Northwest Territories, Saskatchewan, Nunavut, Manitoba, and Alberta; Geological Survey of Canada, Open File 5744, scale 1:550 000

Background geological units within area of interest:

Pa-s	Paleozoic sedimentary rocks	Pp-i	Paleoproterozoic intrusive rocks	APp-m	Archean-Paleoproterozoic metamorphic rocks
Mp-s	Mesoproterozoic sedimentary rocks	Pp-v	Paleoproterozoic volcanic rocks	A-s	Archean sedimentary rocks
PpMp-s	Paleoproterozoic-Mesoproterozoic sedimentary rocks	APp-s	Archean-Paleoproterozoic sedimentary rocks	A-m	Archean metamorphic rocks

Wheeler, J.O., Hoffman, P.F., Card, K.D., Davidson, A., Sanford,B.V., Okulitch, A.V., and Roest, W.R. (comp.),1997. Geological map of Canada; Geological Survey of Canada, Map D1860A.

NOTES

Some level of metamorphic grade is inherent in most rocks. "Metamorphic" is included as a rock type if it was originally classified as such.

Rock types in each geological unit are listed in apparent order of abundance as indicated in the original classification.

Background Geology Map:
Wheeler, J.O., Hoffman, P.F., Card, K.D., Davidson, A., Sanford, B.V., Okulitch, A.V., and Roest, W.R. (comp.),1997. Geological map of Canada; Geological Survey of Canada, Map D1860A.

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LEGEND

"Young" Rocks

- Dv-s — >360 Ma — Devonian sedimentary rocks
- SlDv-s — Silurian to Devonian sedimentary rocks
- Od-s — >440 Ma — Ordovician sedimentary rocks
- CmOd-s — Cambrian to Ordovician sedimentary rocks
- Cm-s — >485 Ma — Cambrian sedimentary rocks
- P-s — >540 Ma — Proterozoic sedimentary rocks
- P-i — Proterozoic igneous rocks
- P-ts — Proterozoic tectonic and sedimentary rocks
- P-tsi — Proterozoic tectonic, sedimentary and igneous rocks
- Mp-i — >1000 Ma — Mesoproterozoic igneous rocks

Old Rocks

- PtPa-IS — >1600 Ma — Paleoproterozoic to Paleozoic impact structure
- Pp-s — Paleoproterozoic sedimentary rocks
- Pp-i — Paleoproterozoic igneous rocks
- Pp-msi — Paleoproterozoic metamorphic, sedimentary and igneous rocks
- Pp-ms — Paleoproterozoic metamorphic and sedimentary rocks
- Pp-mi — Paleoproterozoic metamorphic and igneous rocks
- Pp-m — Paleoproterozoic metamorphic rocks
- NaPp-i — Neoarchean to Paleoproterozoic igneous rocks
- NaPp-ms — Neoarchean to Paleoproterozoic metamorphic and sedimentary rocks
- NaPp-msi — Neoarchean to Paleoproterozoic metamorphic, igneous and sedimentary rocks
- NaPp-mi — Neoarchean to Paleoproterozoic metamorphic and igneous rocks
- NaPp-m — Neoarchean to Paleoproterozoic metamorphic rocks
- AP-i — Archean-Proterozoic igneous rocks
- AP-t — Archean-Proterozoic tectonic rocks
- AP-ts — Archean to Proterozoic tectonic and sedimentary rocks
- AP-tsi — Archean to Proterozoic tectonic, sedimentary and igneous rocks
- Na-i — >2500 Ma — Neoarchean igneous rocks
- Na-mi — Neoarchean metamorphic and igneous rocks
- Ma-mi — >2800 Ma — Mesoarchean metamorphic and igneous rocks
- A-it — Archean igneous and tectonic rocks
- A-t — Archean tectonic rocks
- A-imt — Archean igneous, metamorphic and tectonic rocks

Very Old Rocks

- A-s — Archean sedimentary rocks
- A-is — Archean igneous and sedimentary rocks
- A-i — Archean igneous rocks
- A-msi — Archean metamorphic, sedimentary and igneous rocks
- A-mis — Archean metamorphic, igneous and sedimentary rocks
- A-ims — Archean igneous, metamorphic and sedimentary rocks
- A-ms — Archean metamorphic and sedimentary rocks
- A-mi — Archean metamorphic and igneous rocks
- A-im — Archean igneous and metamorphic rocks
- A-m — Archean metamorphic rocks

Million years ago (Ma)

NORTHWEST TERRITORIES GEOLOGICAL SURVEY

The Northwest Territories Geological Survey accepts no responsibility for any errors, inaccuracies and/or omissions in this data. Users wishing to rely upon this information should consult directly with the original source of the information.

20 10 0 20
Kilometres

GNWT Lambert Conformal Conic
Datum: North Americam Datum 1983; Spheroid: GRS 1980;
Projection: Lambert Conformal Conic False Easting: 0.000000; False Northing: 0.000000;
Central Meridian: -112.000000; Standard Parallel 1: 62.000000; Standard Parallel 2: 70.000000;
Scale Factor: 1.000000; Latitude of Origin: 0.000000