

Significant Mineral Projects and Operating Mines in Ontario



Legend

- Town / City
- First Nation Community
- Operating Mines
- Significant Mineral Projects
- Railway
- Highway

Bedrock Geology

- Kaolinitic clay, clay, sand, lignite
- Shale: Port Lambton Gp.
- Shale
- Limestone, dolostone, shale
- Sandstone, dolostone, limestone
- Limestone, dolostone, shale, sandstone, gypsum, salt
- Sandstone, shale, dolostone, siltstone
- Shale, limestone, dolostone, siltstone
- Limestone, dolostone, shale, arkose, sandstone
- Dolostone, sandstone
- Conglomerate, sandstone, shale, dolostone
- Tectonite unit
- Late felsic plutonic rocks
- Mafic to ultramafic plutonic rocks
- Alkalic plutonic rocks
- Early felsic plutonic rocks
- Carbonate metasedimentary rocks
- Clastic metasedimentary rocks
- Mafic to felsic metavolcanic rocks
- Felsic igneous rocks
- Anorthosite and alkalic igneous rocks
- Migmatitic rocks and gneisses of undetermined protolith
- Mafic rocks
- Gneisses of metasedimentary origin
- Carbonate-alkalic intrusive suite
- Mafic intrusive rocks
- Sandstone, shale, conglomerate
- Alkalic intrusive suite and carbonatite
- Mafic dikes and related intrusive rocks (Keweenaw age)
- Olser Gp., Mamainste Point Fm., Michipicoten Island Fm.
- Sibley Gp.
- Felsic intrusive rocks
- Sudbury Igneous Complex
- Whitewater Gp.
- Carbonatite-alkalic intrusive suite
- Mafic intrusive rocks, mafic dikes and mafic sills
- Trans-Hudson Orogen Supracrustal rocks / sedimentary rocks (Sutton Inliers)
- Sedimentary rocks (Animikie Group)
- Mafic and related intrusive rocks and mafic dikes
- Felsic intrusive rocks (Murray Granite, Creighton Granite)
- Cobalt Gp.
- Quirke Lake Gp.
- Hough Lake Gp.
- Elliot Lake Gp.
- Mafic and ultramafic intrusive rocks and mafic dikes
- Hornblende - nepheline syenite suite
- Massive granodiorite to granite
- Diorite-monzodiorite-granodiorite suite
- Muscovite-bearing granitic rocks
- Foliated tonalite suite
- Gneissic tonalite suite
- Mafic and ultramafic rocks
- Coarse clastic metasedimentary rocks
- Migmatized supracrustal rocks
- Metasedimentary rocks
- Felsic to intermediate metavolcanic rocks
- Mafic to intermediate metavolcanic rocks
- Mafic to ultramafic metavolcanic rocks
- Mafic metavolcanic and metasedimentary rocks
- Felsic to intermediate metavolcanic rocks
- Metasedimentary rocks and mafic to ultramafic metavolcanic rocks

# Operating Mines

Map #	Company	Name	Commodity
1	Agnico Eagle Mines Ltd	Detour Lake Mine	Gold
2	Agnico Eagle Mines Ltd	Macassa Mine	Gold
3	Alamos Gold Inc	Island Gold Mine	Gold
4	Alamos Gold Inc	Magino Mine	Gold
5	Alamos Gold Inc	Young-Davidson Mine	Gold
6	Canadian Wollastonite	St. Lawrence Quarry	Wollastonite
7	CGC Inc	Hagersville Mine	Gypsum
8	Compass Minerals Canada Corp	Goderich Brine Field	Salt
9	Compass Minerals Canada Corp	Goderich Mine	Salt
10	Covia Canada Ltd	Blue Mountain Quarry	Nepheline Syenite
11	Discovery Silver Corp	Borden Mine	Gold
12	Discovery Silver Corp	Hoyle Pond Mine	Gold
13	Discovery Silver Corp	Parmour Mine	Gold
14	Equinox Gold Corp - Greenstone	Greenstone Gold Mine	Gold
15	Evolution Mining Ltd - Red Lake	Red Lake Operations	Gold
16	Ferromin Inc	Tomclid Iron Mine	Iron as Magnetite
17	Glencore plc - Glencore Canada Corp	Kidd Creek Mine	Copper, Zinc, Silver
18	Hemlo Mining Corp	Williams Mine	Gold
19	IAMGOLD Corp	Côte Gold Mine	Gold
20	Impala Platinum Holdings Ltd - Impala Canada Ltd	Lac des Iles Mine	PGE
21	K+S Windsor Salt Ltd	Ojibway Mine	Salt
22	K+S Windsor Salt Ltd	Windsor Brine Field	Salt
23	Magna Mining Inc	McCreedy West Mine	Nickel, Copper, PGE, Cobalt
24	Magris Talc Canada Inc	Penhorwood Mine	Talc
25	McEwen Mining Inc	Froome Mine	Gold
26	New Gold Inc	Rainy River Mine	Gold
27	Orla Mining Ltd	Muskegwhite Mine	Gold
28	Pan American Silver Corp - Lake Shore Gold Corp	Bell Creek Mine	Gold
29	Pan American Silver Corp - Lake Shore Gold Corp	Timmins West Mine	Gold
30	Vale S.A. - Vale Canada Ltd	Coleman Mine	Nickel, Copper, PGE, Cobalt
31	Vale S.A. - Vale Canada Ltd	Copper Cliff Complex	Nickel, Copper, PGE, Cobalt
32	Vale S.A. - Vale Canada Ltd	Creighton Mine	Nickel, Copper, PGE, Cobalt
33	Vale S.A. - Vale Canada Ltd	Garson Mine	Nickel, Copper, PGE, Cobalt
34	Vale S.A. - Vale Canada Ltd	Stobie Mine	Nickel, Copper, PGE, Cobalt
35	Vale S.A. - Vale Canada Ltd	Totten Mine	Nickel, Copper, PGE, Cobalt
36	Wesdome Gold Mines Ltd	Eagle River Mine	Gold
37	West Red Lake Gold Mines Ltd	Madsen Mine	Gold

# Significant Mineral Projects

Map #	Company	Name	Commodity
1	Agnico Eagle Mines Ltd	Upper Beaver Gold Project	Gold
2	Canada Nickel Company Inc	Crawford Nickel Sulphide Project	Nickel, Iron, Chromium, Cobalt, PGE
3	Clean Air Metals Inc	Thunder Bay North Project	Copper, Nickel, PGE
4	EV Nickel Inc	Shaw Dome	Nickel
5	First Mining Gold Corp	Springpole Gold Project	Gold
6	Fox River Resources Corp	Martison Phosphate Project	Phosphate
7	Frontier Lithium Inc	PAK Lithium Project	Lithium
8	Callison Gold Corp	West Cache Gold Project	Gold
9	Generation Mining Ltd	Marathon Project	PGE, Copper
10	Glencore plc - Glencore Canada Corp	Onaping Depth Project	Nickel, Copper, PGE, Cobalt
11	Global Battery Materials	Kearney Mine	Graphite
12	Gowest Gold Ltd	North Timmins Gold Project	Gold
13	Green Technology Metals Ltd	Root Project	Lithium
14	Green Technology Metals Ltd	Seymour Lithium Project	Lithium
15	International Lithium Corp	Raleigh Lake Project	Lithium
16	KGHM Polska Miedz S.A. - KGHM International Ltd	Victoria Project	Nickel, Copper, PGE, Cobalt
17	Kinross Gold Corp	Great Bear Project	Gold
18	Landore Resources Ltd	Junior Lake Project	Gold
19	Crean Mining Inc	Crean Hill	Nickel, Copper, PGE, Cobalt
20	Magna Mining Inc	Shakespeare Project	Nickel, Copper, PGE, Cobalt
21	New Age Metals Inc	River Valley Project	PGE
22	NexGold Mining Corp	Goliath Gold Complex	Gold
23	Rock Tech Lithium Inc	Georgia Lake Project	Lithium
24	Separation Rapids Ltd (SCR-Sibelco NV / Avalon Advanced Materials Inc)	Separation Rapids Project	Lithium
25	STLLR Gold Inc	Tower Gold Project	Gold
26	Tartisan Nickel Corp	Kenbridge Nickel Project	Nickel, Copper, Cobalt
27	Vault Minerals Ltd	Sugar Zone	Gold
28	West Red Lake Gold Mines Ltd	Rowan Lake	Gold
29	Wylloo	Eagle's Nest Project	Nickel, Copper, PGE
30	XXIX Metal Corp	Thierry Copper Project	Copper, Nickel
31	Zentek Ltd	Albany Graphite Project	Graphite

The criteria for being included on the significant project list are:

- permits are being sought or already in hand,
- work is at the advanced project stage such as moving from resources to reserves,
- positive preliminary economic assessment or equivalent study is completed,
- the project is actively being worked, and
- the project is advancing towards becoming a mine.

This map is illustrative only. Do not rely on it as being a precise indicator of routes, locations of features, nor as a guide to navigation. Every possible effort has been made to ensure the accuracy of the information presented on this map, however, the Ontario Ministry of Energy and Mines (MEM) does not assume liability for errors that may occur. Users should verify critical information.

Base map information derived from the Ontario GeoHub, Geospatial Ontario, Ministry of Natural Resources.

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