



# Manitoba Mining, Exploration and Geoscience

2025-2026



Manitoba 



## MINING, OIL AND GAS INDUSTRY OVERVIEW

- \$1.4 billion total annual mineral production in value of shipments for 2022 representing 4 per cent of Manitoba's exports.
- \$1.42 billion in real value added, accounting for approximately 1.94 per cent of the province's real GDP and 5.1 per cent of all domestic merchandise exports. In 2023, Manitoba merchandise exports for the industry was \$687.9 million. \$1.342 billion in Real GDP for 2023 representing 1.9 per cent of Manitoba's Real GDP.
- Employment of 3895 people, which includes 255 individuals employed by oil and gas extraction in 2023.
- 225 new wells drilled in 2022.

### Major producers:

- Vale (nickel, copper, cobalt)
- Hudbay Minerals Inc. (gold, copper, zinc, silver)
- Sinomine Resources (lithium, cesium)



## Manitoba's exploration and mining sector plays a key role in our province's economic prosperity.

**Exploration and investment are the driving forces behind a sustainable minerals sector. Manitoba's quality geoscience data coupled with its rich natural resources forms a solid foundation for developing global economic growth opportunities in green energy and critical minerals.**

Manitoba is home to a wealth of natural resources, world-class deposits and underexplored remote regions of high mineral potential. Of the 34 minerals on Canada's 2024 Critical Minerals list, 31 can be found in our province. This includes lithium, graphite, nickel, cobalt, copper, and rare earth elements, which are the six minerals prioritized by the Canadian government as having the greatest opportunity to spur economic growth and fuel domestic capacity to develop key supply chains.

Exploring for the minerals necessary to support the expansion of clean technologies in renewable power and electrification will be key to meeting future global demands. Manitoba is rich with the critical mineral commodities needed to support green energy initiatives, including nickel, copper, zinc, lithium, cobalt, graphite, potash, platinum-group elements and silica sand. These commodities are essential components in the production of solar panels, electric vehicles and batteries, positioning Manitoba to be a worldwide leader in supplying the raw materials needed to drive the expansion of clean energy.

Manitoba remains focused on opportunities to support the transition to a clean, green economy in ways that create long-term economic growth, resilient communities, and positive socio-economic outcomes for all.

### Jump-starting Exploration

Manitoba continues to identify new ways to streamline permitting and provide stronger supports for the exploration industry. The province offers a multi-year permitting process for mineral exploration work permits outside of parks. Multi-year permits are valid for up to three years with the option for an additional two-year extension if the scope of work remains unchanged. Manitoba's new Critical Mineral Office will help companies maximize opportunities and access government funding and incentive programs providing support every step of the way.

The Manitoba Mineral Development Fund facilitates economic growth and job creation in the north. Grants from the Fund support exploration activities and prioritizes partnerships with Indigenous Nations for collaborative resource development.

Manitoba has developed a strong critical minerals strategy, *Securing Our Critical Mineral Future*, with a particular focus on creating good jobs for rural and northern Manitobans while building a low-carbon future. Manitoba's strategy aims to sustainably grow the critical minerals sector in partnership with industry and Indigenous Nations, working together to ensure the road to success is open for all Manitobans.

### Partnering with Indigenous Nations

The newly created Mining Advisory Council includes representatives from Indigenous Nations, government and the mining industry. The Mining Advisory Council provides a platform for a collaborative approach to provide recommendations and guide the direction of Manitoba's critical mineral sector.

The *Manitoba – First Nations Mineral Development Protocol* sets important parameters for Crown-Indigenous consultations during all phases of the mining cycle. This covers exploration, development, operation and closure. This engagement helps to create certainty to advance projects in a timely manner and ensure First Nations can be actively involved in all phases of development projects within their traditional territories. The Protocol process is open to all Indigenous communities with immediate or potential mineral development opportunities.

### Working Together

The Manitoba government is prioritizing responsible resource development with stronger environmental protection for the benefit of all Manitobans. Manitoba will continue to engage in partnerships with Indigenous governments, northern communities, industry and other stakeholders to advance sustainable economic development together.

Manitoba's mineral sector turns ideas into actions. Industry, associations, Indigenous and northern communities, idea-brokers, investors and explorers are moving ahead in ways that respect our land, natural resources and people, while sharing a common goal... to make Manitoba a worldwide leader in sustainable mineral exploration and investment.

## MANITOBA HAS MANY ADVANTAGES THAT MAKE IT AN IDEAL LOCATION FOR BUSINESS.

With close proximity to supply inputs, markets, an excellent transportation infrastructure, a skilled workforce and one of the greenest electricity grids in North America, Manitoba is an excellent place to explore and invest.

Manitoba has one of Canada's most diverse and dynamic economies. This diversity makes the province's economy one of the strongest and most stable in Canada.

Strategically located in the heart of North America, with abundant transportation connections via air, rail and road, Manitoba offers ready access to markets in the U.S. and beyond.



### Competitive Business Costs

- Manitoba has internationally competitive business costs that incentivizes investment in the province.
- Manitoba offers a multitude of business support programs and incentives to encourage and facilitate entrepreneurial, expansion and employment opportunities within the province.

### Low-cost, High-quality Utilities

- Manitoba has abundant, environmentally sustainable hydroelectric capacity. The system is reliable and provides superior power quality.
- Our industrial electricity rates and the carbon intensity of our electric power production are among the lowest in North America.

### Access to Global Markets

- Manitoba's position at the heart of North America makes it a key part of the Mid-continent Trade Corridor. The quad-modal Centreport connects Canada to a central North American market of 100 million people by air, road and rail.
- The Arctic Gateway arctic deep seaport in Churchill provides trade access to overseas markets, saving on travel and delivery time.
- Manitoba has three rail links to the United States, allowing ready access to the world's largest market and beyond.

### A Well-educated, Professional Workforce

- Manitoba's workforce is known for its strong work ethic, quality and dedication. Low employee turnover levels result in reduced recruitment and training costs for employers.
- Almost 20% of Manitoba's population is comprised of immigrants, resulting in more than 100 languages spoken in the province. This diversity is a distinct advantage for businesses looking to make connections around the world.
- Flin Flon is home to the Northern Manitoba Mining Academy, which offers training in the mining- and construction-related trades to develop a knowledgeable, skilled and sustainable workforce for the industry.



# Mineral Commodities in Manitoba

Manitoba’s world-class mineral deposits are central to building a prosperous and robust green economy. A clean economy fosters strong sustainable communities and strengthens employment growth for all Manitobans. These deposits include gold, copper-zinc, nickel, lithium, rare metals, silica and potash. Along with the discovery of diamonds, Manitoba also has the potential to host different types of uranium deposits. Further details on these commodities can be found on our website at [manitoba.ca/iem/geo/commodity](http://manitoba.ca/iem/geo/commodity)



## Principal Geology and Mineral Development Map of Manitoba

- Geology
- Phanerozoic
- Cenozoic
- Mesozoic
- Paleozoic
- Precambrian
- Archean granite and gneiss
- Metagreywacke
- Mafic-ultramafic intrusive rocks
- Proterozoic granite and gneiss
- Metasedimentary rocks
- Mafic-felsic metavolcanic rocks

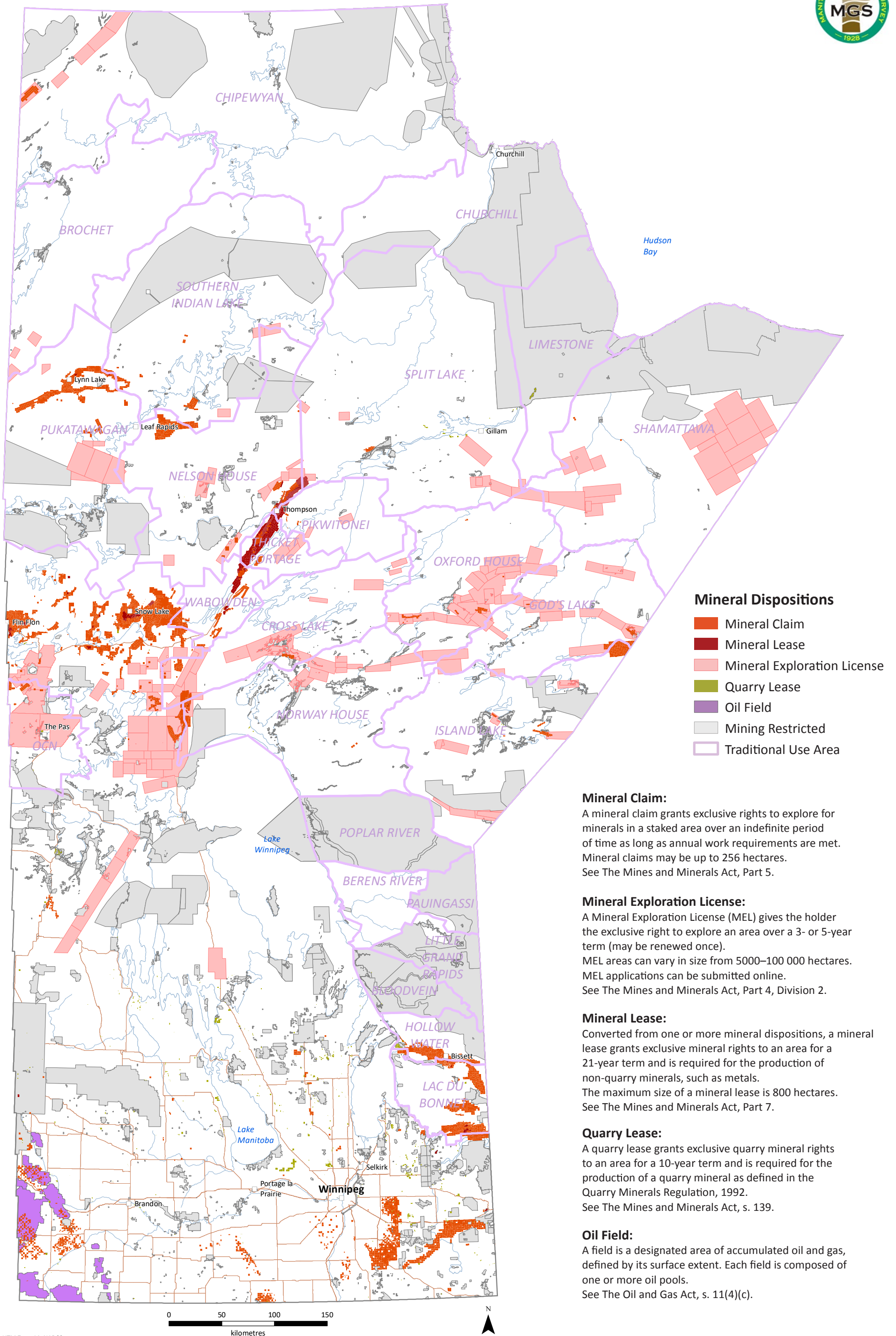
- Active Mines
- 9 Vale Canada Limited — Thompson mine (Ni, Cu, Co)
- 27 Hudbay Minerals Inc. — Lalor mine (Au, Cu, Ag, Zn)
- 69 Potash Agri Development Corporation of Manitoba — Selective Solution Potash mine (Potash)
- 73 Sinomine Resources Group (Tantalum Mining Corporation of Canada Ltd.) — Tanco mine (Li, Cs)
- Mines Under Care and Maintenance
- 11 Vale Canada Limited — Birchtree mine (Ni, Cu, Co)
- 26 CaNickel Mining Ltd./Cobalt One Energy Corp. — Bucko Lake mine (Ni, Cu)
- 41 Hudbay Minerals Inc. — 777 mine (Zn, Cu)
- 68 1911 Gold Corp. — True North mine (Au)

- Mineral Projects\*
- 1 Alamos Gold Inc. — Lynn Lake - Maclellan/Gordon (Au)
- 2 Corazon Mining Ltd. — Lynn Lake (Ni, Cu, Co)
- 3 Corazon Mining Ltd. — Fraser lake (Ni, Cu, Co)
- 4 55 North Mining Inc. — Last Hope (Au, Diamond)
- 5 CanAlaska Uranium Ltd. — Rice Lake (Cu, Zn)
- 6 Willeson Metals Corp. — Beaucage Lake (Au)
- 7 Core Nickel Corp. — Hunter (Ni, Cu, PGE)
- 8 Anglo American PLC — Fox River (Ni, Zn, Cu)
- 10 Norcangeo Ltd. — Bryce Bay (Ni, Cu, Co, PGE)
- 12 T2 Metals Corp. — Sherridon (Cu, Zn)
- 13 Core Nickel Corp. — Halfway (Ni)
- 14 Minnova Corp. — PL Deposit (Au, Li, Cs, Ta, Ni, Cu)
- 15 Hudbay Minerals Inc. — WIM (Zn, Cu)
- 16 Boreal Gold Inc. — Fay Lake (Au)
- 17 Hudbay Minerals Inc. — Bur (Cu, Zn)
- 18 Hudbay Minerals Inc. — Squall Lake (Au, Cu, Zn)
- 19 KG Exploration (Canada) Inc. — SLG (Au)
- 20 Vision Lithium Inc. — Godslith (Li)
- 21 Hudbay Minerals Inc. — Snow Lake Gold (Au)
- 22 Adia Resources Inc. — Lynx (Li, Diamond, Au, PGE)
- 23 Hudbay Minerals Inc. — Lon Deposit (Cu, Zn)
- 24 Canadian Gold Corp. — Tartan Lake (Au)
- 25 Hudbay Minerals Inc. — Capar Area (Au)
- 28 Strider Resources Inc. — Roberts Lake (Li)
- 29 Hudbay Minerals Inc. — 1901 (Au, Cu)
- 30 Foremost Lithium Resources Ltd. — Zoro (Li)
- 31 Hudbay Minerals Inc. — Penex (Cu, Zn)
- 32 Snow Lake Resources Ltd. — Thompson Brothers (Li)
- 33 Hudbay Minerals Inc. — Chisel North (Cu, Zn)
- 34 Core Nickel Corp. — Resting (Ni, Cu)
- 35 Voyageur Mineral Explorers Corp. — Alberts Lake (Au, Cu, Zn)
- 36 1911 Gold Corp. — Apex (Au, Li)
- 37 Foremost Lithium Resources Ltd. — Jean Lake (Li)
- 38 Wolfden Resources Corporation — Rice Island (Ni, Cu, Co)
- 39 KG Exploration (Canada) Inc. — Berry Creek (Au)
- 40 Laser Gold Inc. — North Star (Au)
- 42 Callinex Mines Inc. — Pine Bay (Cu, Zn)
- 43 KG Exploration (Canada) Inc. — Laguna (Au)
- 44 Hudbay Minerals Inc. — North Star Mine (Cu, Zn)
- 45 KG Exploration (Canada) Inc. — East Wekusko (Au)
- 46 Hudbay Minerals Inc. — Watts River (Cu, Zn)
- 47 Hudbay Minerals Inc. — Tramping Lake (Cu, Zn)
- 48 KG Exploration (Canada) Inc. — North Laguna (Au)
- 49 Hudbay Minerals Inc. — Rail Property (Cu, Zn)
- 50 Hudbay Minerals Inc. — Pon (Ni, Cu)
- 51 KG Exploration (Canada) Inc. — DSN (Au)
- 52 BWR Exploration Ltd. — Little Stull Lake (Au)
- 53 Metal Energy Corp. — North Manibridge (Ni, Cu, PGE)
- 54 Hudbay Minerals Inc. — Copperman (Cu, Zn)
- 55 Agnico Eagle Ltd. — Monument Bay (Au, W)
- 56 Vanadian Energy Corp. — Huzyk Creek (V, Graphite)
- 57 Leeuwin Metals Ltd. — Jenpeg (Li)
- 58 Hudbay Minerals Inc. — Harmin (Cu, Zn)
- 59 Hudbay Minerals Inc. — Talbot Lake (Cu, Zn)
- 60 Flying Nickel Mining Corp. — Minago (Ni, Cu, PGE, Silica)
- 61 Hudbay Minerals Inc. — Tower (Cu, Zn)
- 62 Leeuwin Metals Ltd. — William Lake (Ni, Cu, PGE)
- 63 Gem Oil Inc. — Moose Lake (REE)
- 64 Stuhini Exploration Ltd. — South Thompson (Ni)
- 65 Wolfden Resources Corporation — Nickel Island (Ni, Cu)
- 66 Canadian Premium Sand Inc. — Wanipagow (Silica)
- 67 1911 Gold Corp. — Rice Lake (Au)
- 70 Grid Metals Corp. — Mayville (Ni, Cu, PGE)
- 71 QMC Quantum Minerals Corp. — Irgon (Li, Cs, Ta)
- 72 Grid Metals Corp. — Donner Lake (Li)
- 74 Acme Lithium Ltd. — Shatford Lake (Li)
- 75 Sio Silica Corp. — Vivian Sand (Silica)
- 76 McFarlane Lake Mining — West Hawk Lake (Au)

\*Includes projects with a modern publicly-reported mineral resource/reserve estimate or mineral exploration work permit within the last three years.







### Mineral Dispositions

- Mineral Claim
- Mineral Lease
- Mineral Exploration License
- Quarry Lease
- Oil Field
- Mining Restricted
- Traditional Use Area

### Mineral Claim:

A mineral claim grants exclusive rights to explore for minerals in a staked area over an indefinite period of time as long as annual work requirements are met. Mineral claims may be up to 256 hectares. See The Mines and Minerals Act, Part 5.

### Mineral Exploration License:

A Mineral Exploration License (MEL) gives the holder the exclusive right to explore an area over a 3- or 5-year term (may be renewed once). MEL areas can vary in size from 5000–100 000 hectares. MEL applications can be submitted online. See The Mines and Minerals Act, Part 4, Division 2.

### Mineral Lease:

Converted from one or more mineral dispositions, a mineral lease grants exclusive mineral rights to an area for a 21-year term and is required for the production of non-quarry minerals, such as metals. The maximum size of a mineral lease is 800 hectares. See The Mines and Minerals Act, Part 7.

### Quarry Lease:

A quarry lease grants exclusive quarry mineral rights to an area for a 10-year term and is required for the production of a quarry mineral as defined in the Quarry Minerals Regulation, 1992. See The Mines and Minerals Act, s. 139.

### Oil Field:

A field is a designated area of accumulated oil and gas, defined by its surface extent. Each field is composed of one or more oil pools. See The Oil and Gas Act, s. 11(4)(c).





**Manitoba's Critical Minerals Office** will serve as a central hub for coordinating efforts related to the discovery, extraction, and management of critical minerals. Its primary functions include responding to sector enquiries around all stages of critical mineral development both upstream and downstream (early exploration, advanced exploration, mines, secondary processing, and post-reclamation), ensuring a secure and sustainable supply, and fostering strategic partnerships with industry, Indigenous groups, and other stakeholders. The critical minerals office also plays a key role in facilitating investment in exploration and processing, promoting innovation, and ensuring the province remains competitive in the global supply chain for these vital resources.

#### **Critical Minerals Office**

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#### **Contact Information**

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Manitoba is home to world-class deposits and high mineral potential in extensive underexplored terrains.

Learn more at [manitoba.ca/minerals](https://manitoba.ca/minerals)

#### **Front cover, clockwise from upper right:**

Vale's flooded Pipe open pit mine with the Pipe II headframe in the background, Thompson nickel belt, Manitoba.

Tantalum Mining Corporation of Canada Ltd.'s Tanco Mine at Bernic Lake, Manitoba.

Manitoba Geological Survey geologists examine a glaciofluvial deposit in southeastern Manitoba as part of the renewed MGS aggregate resource program.

Manitoba Geological Survey geologist mapping bedrock exposures at Keeyask hydroelectric dam, northeastern Manitoba.

#### **Back cover, clockwise from upper right:**

Native gold and petzite, Rice Lake deposit, Bissett, Manitoba.

Scooptram operating close to a spodumene zone pillar, Tanco Mine, Bernic Lake, Manitoba.

Hudbay Minerals' Lalor facility at Snow Lake, Manitoba.

Photos courtesy of Hudbay Minerals Inc. and Sinomine Resources.