

Overview of Mines and Mining Projects in the Northern Region of Quebec (Nunavik) and Quebec's Critical and Strategic Minerals Plan

Jean-François Hould

Director, Québec Government Office in Washington



Fleuve Saint-Laurent

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Québec 

QUÉBEC GOVERNMENT OFFICE IN WASHINGTON



- Serving Washington, D.C. since 1978
- **Services :**
 - Government relations
 - Commercial/Trade relations
 - Multilateral relations
 - Public relations
- **Responsibilities:**
 - Defend and promote Québec's interests with the US government (Administration and Congress)
 - Monitor legislative and regulatory activity
 - Build relationships with various stakeholders such as interest groups, think tanks, industry associations, universities, etc.
 - Align government initiatives in influence diplomacy and economic diplomacy at the national level
 - Advance Québec's priorities with multilateral institutions and embassies of third countries
 - Develop local community partnerships
 - Contribute to Quebec's economic growth

SOCIÉTÉ DU PLAN NORD

- Mission

- Contribute to the integrated and coherent planning and development of the Quebec territory located north of the 49th parallel
- Sustainable development guides the work of SPN
- Consultations with representatives of the regions and Indigenous Nations concerned, as well as the private sector

- The Société du Plan Nord (SPN) is responsible for coordinating the implementation of the Northern Action Plan 2020-2023

AREA COVERED (SPN)

- **72%** of Québec
- North of the **49th parallel** and the St. Lawrence River
- Area twice the size of Texas
- Around **130,000 inhabitants** spread over **1.2 million km²**
- 1/3 of the population is Indigenous



STRONG POTENTIAL FOR ECONOMIC DEVELOPMENT



Mining



Energy



Forestry



Tourism

NORTHERN ACTION PLAN (2020-2023)

- **CAD \$1.4 billion** in investments over three years
- **CAD \$779 million** dollars from the Québec government
 - A **response** to the territory's priorities adapted to the realities of the North
 - **Cooperation** with local and Indigenous communities
 - A “**leverage effect**” combining the efforts of the partners
 - **Concrete actions** as well as **measurable results**
 - **Synergy** between the three axes of **sustainable development**

4 KEY DIRECTIONS

- Optimized access to the Northern territory
- A robust, diversified economic fabric
- An attractive, dynamic living environment
- A Northern environment to be preserved

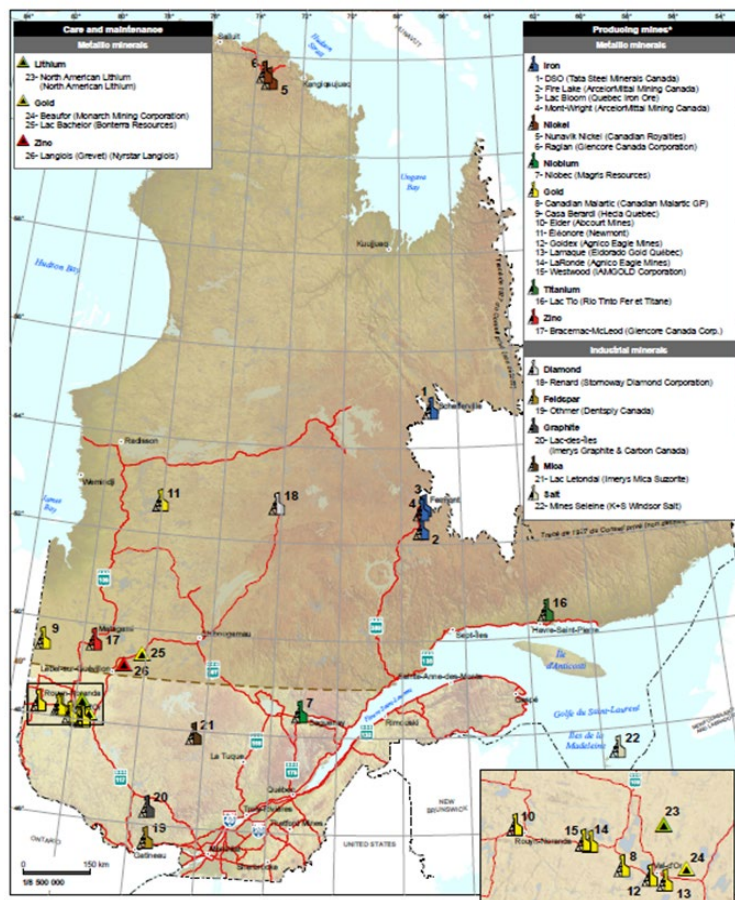
Maximize the economic benefits on the territory
Business Development Office

Nunavik region

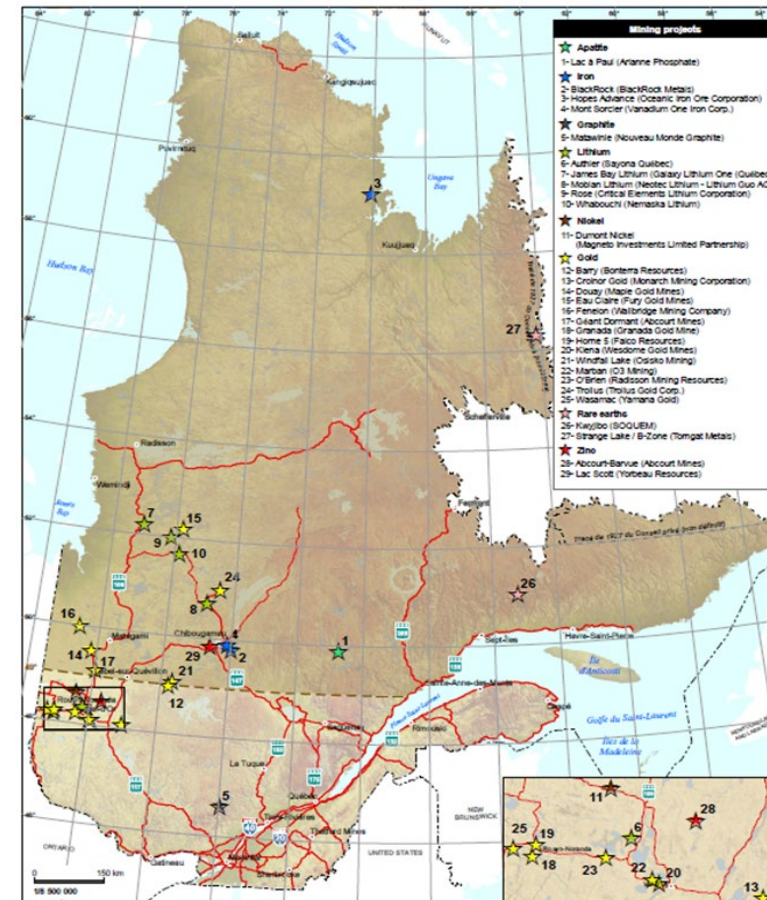


@creditSPN

NUNAVIK MINING ACTIVITIES (NORTH OF THE 55TH PARALLEL)



- Nickel production
- Critical and strategic minerals exploration
- Copper and Gold potential
- Iron Ore potential in the Labrador Trough



QUÉBEC PLAN FOR THE DEVELOPMENT OF CRITICAL AND STRATEGIC MINERALS

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- Game plan: CAD \$90M in investments
- Explore – Support – Develop – Recycle – Propel - Explain
- Lead by the Ministry of Natural Resources and Forestry

PROJECTS IN ABUNDANCE, IMMENSE POTENTIAL!

Critical and Strategic Minerals in Québec

Graphite

Several graphite projects are underway in Québec.

- | | |
|--|--|
| 1 Lac-des-Îles
Imerys Graphite and Canada Carbon | 5 La Loutre
Lomiko Metals Inc. |
| 2 Lac Guéret
Mason Graphite | 6 Miller
Canada Carbon |
| 3 Matawinie
Nouveau Monde Graphite | 7 Bell Graphite
Saint Jean Carbon |
| 4 Lac Knife
Focus Graphite Inc. | 8 Mousseau West |
| | 9 Lac Rainy Nord
Metals Australia Ltd |
| | 10 Lac Guéret Sud
Berkwood Resources Ltd |

Nickel, Copper, Cobalt and Platinum Group Elements

Two mines extract cobalt and platinum group elements as nickel by-products.

- | | |
|--|--|
| 11 Raglan
Glencore Canada Corporation | 15 Hawk Ridge
Nickel North Exploration Corp. |
| 12 Nunavik Nickel
Canadian Royalties Inc. | 16 Lac Menarik
Harfang Exploration Inc. |
| 13 Dumont Nickel
Magneto Investments Limited Partnership | 17 Lac Rocher
Victory Nickel Inc. |
| 14 Bravo
Jien Nunavik Mining Exploration Ltd. | 18 Nisk-1
Critical Elements Corporation |
| | 19 Grasset
Balmoral Resources Ltd |

Niobium

Québec is the second largest producer of niobium in the world and the only producer in the Northern Hemisphere.

- | | |
|---|--|
| 20 Niobec
Magris Resources Inc. | 21 Crevier
Les Minéraux Crevier inc. |
|---|--|

Titanium or Vanadium

Québec is the world's largest producer of titanium in the form of ilmenite.

- | | |
|---|--|
| 22 Lac Tio
Rio Tinto Fer et Titane | 25 Maggie
The Maggie Mines Inc. |
| 23 BlackRock
BlackRock Metals Inc. | 26 Iron-T
Vanadium Corp. |
| 24 Vanadium-Lac Doré
Vanadiumcorp Resource Inc. | 27 Mont Sorcier Iron
Vanadium One Iron Corp. |
| | 28 Lac la Blache
Splendor Titanium Inc. |

Lithium

Québec has high lithium potential.

- | | |
|--|---|
| 29 North American Lithium**
North American Lithium | 32 Rose
Critical Elements Lithium Corporation |
| 30 Whabouchi
Nemaska Lithium | 33 Moblan
Lithium Guo Ao Ltée and SOQUEM |
| 31 Authier
Sayona Québec | 34 James Bay
Galaxy Resources Limited |

Rare Earth Elements

Québec has several rare earth deposits and is recognized as having global potential.

- | | |
|--|--|
| 35 Kwyjibo
SOQUEM | 38 Kipawa (Zeus)
Corporation Métaux Précieux du Québec et Ressources Québec inc. |
| 36 Eldor (Ashram)
Commerce Resources Corporation | 39 Niobec - REE Zone
Niobec Inc. |
| 37 Strange Lake - Zone B
Torngat Metals Ltd. | 40 Carbonatite from Montviel
Geomega Resources Inc. |

Zinc and Copper*

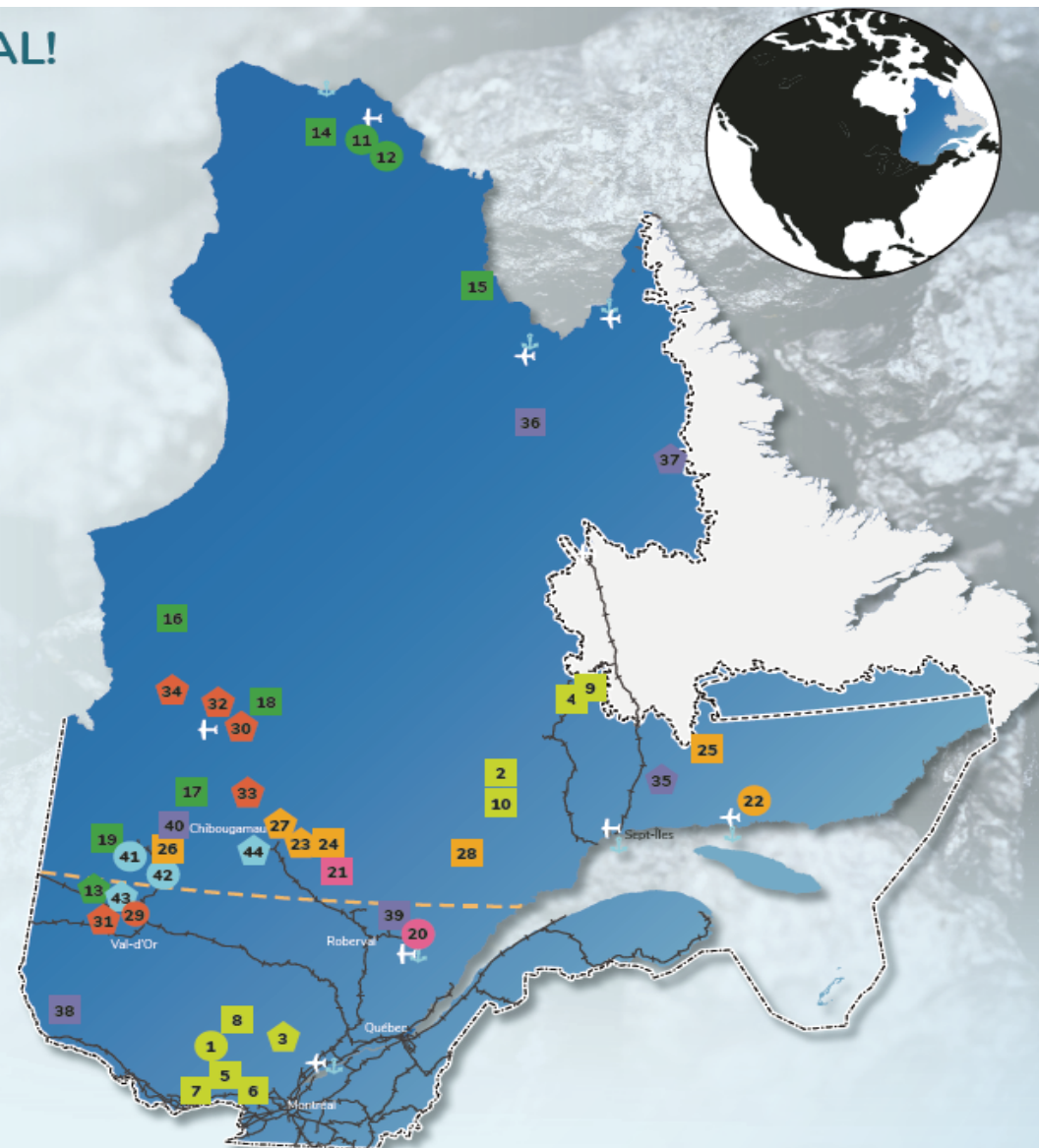
A copper smelter and refinery and a zinc refinery are in operation in Québec.

- | | |
|--|--|
| 41 Bracemac-McLeod
Glencore Canada Corporation | 43 Abcourt
Abcourt Mines Inc. |
| 42 Langlois (Grevet)**
Breakwater Resources | 44 Lac Scott
Les Ressources Yorbeau inc. |

* The zinc and copper resources are not represented on the map.

** Mines in maintenance

Project legend: □ Deposits (mineral resources) ◇ Development or construction and running-in projects ○ Mines



RIGOROUS ENVIRONMENTAL AND HEALTH AND SAFETY STANDARDS THAT RESPECT COMMUNITIES

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- Renowned social acceptability practices
 - James Bay and Northern Québec Agreement
 - Northeastern Québec Agreement
 - La Grande Alliance
- Native Community Consultation Policy Specific to the Mining Sector

RENOWNED SCIENTIFIC EXPERTISE

- Mining in Québec relies on the optimization and development of new metallurgical processes as well as the expertise of numerous applied research centres, research networks, and assistance and support for businesses
- Corem, the Elements08 Strategic Metals Excellence Centre, the Agora 49 Consortium, the Metal Transformation Research
- Institut national des mines

A SKILLED WORKFORCE

- Québec's skilled mining workforce is trained through a diversified network of complementary institutions: world-famous universities, colleges, vocational schools, and college centres for technology transfers.
- Training services are tailored to companies' needs and multiple continuing education programs are designed to respond to market needs.
- Québec has a comprehensive mechanism to support skills development.



PROMOTING QUÉBEC'S CSM POTENTIAL

The Québec Plan for the Development of Critical and Strategic Minerals 2020-2025 includes an accelerating government investment of \$90 million to:

- Lithium-ion battery industry, 2020–2025 Acquire geoscientific knowledge
- Coordinate R&D stakeholders to increase synergy and innovation
- Consolidate multi-user transportation, energy, and telecommunications infrastructure networks
- Financially support innovative projects in exploration, transformation, recycling, artificial intelligence, and R&D
- Stimulate investment in Québec and support businesses in their development projects
- Act in synergy with other Québec policies: Plan for a Green Economy, development of the 23 Northern Action Plan

DEVELOPMENT OF THE LITHIUM-ION BATTERY INDUSTRY AND EXPERTISE IN ELECTRIC TRANSPORT

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- Responsibly and sustainably mine and process minerals from Québec to manufacture battery components
- Produce electric commercial vehicles
- Develop battery recycling

Canada and the United States see themselves as strategic partners in the development of CSMs—particularly for the electric vehicle sector—and Québec is in an excellent position to play a leading role in that partnership.

NUNAVIK – INFRASTRUCTURE



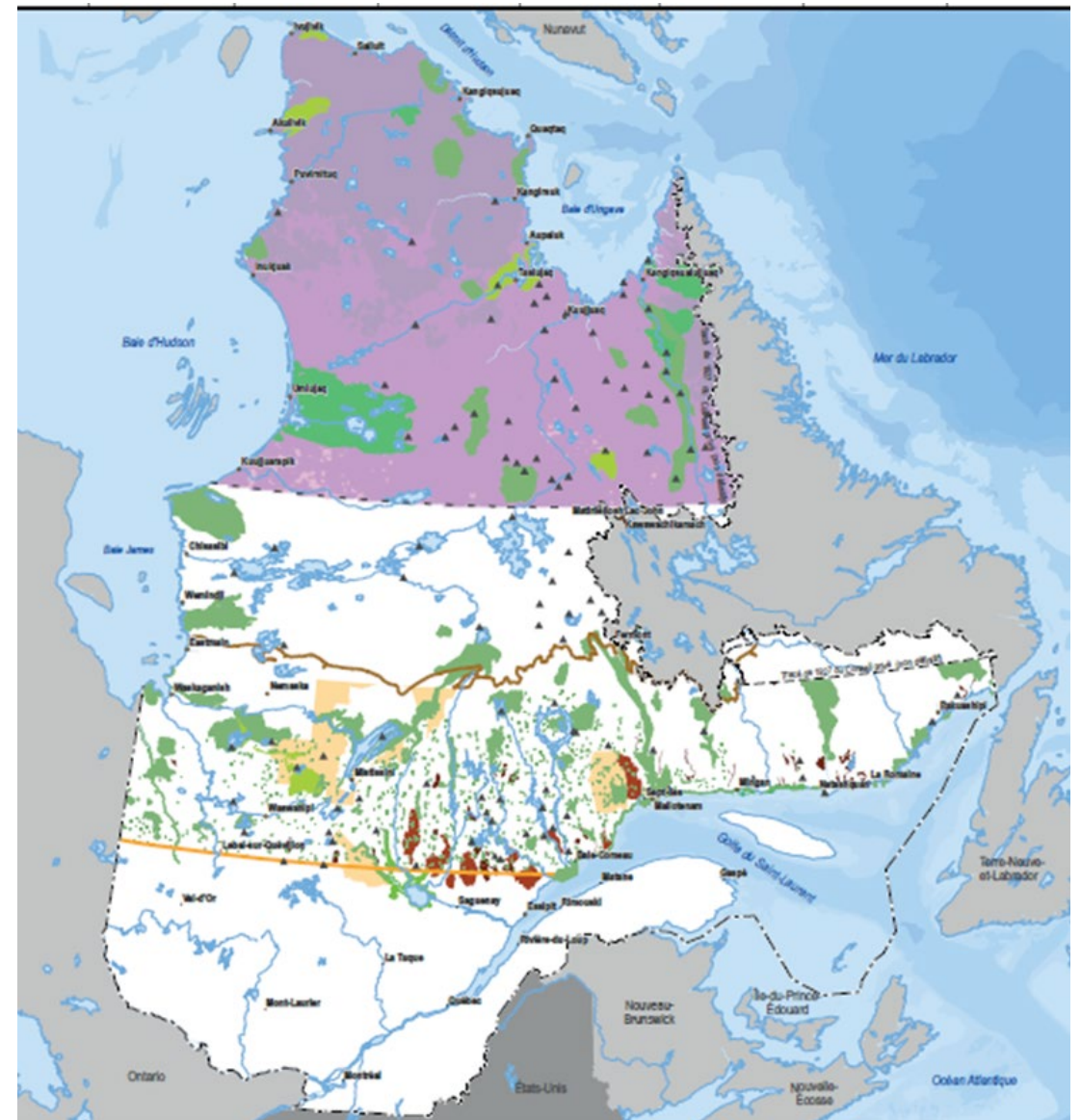
NUNAVIK – INFRASTRUCTURES

- Telecommunications
 - Satellite
 - Optic fiber (partial 2022)
- Transport
 - Airports
 - Ports
- Energy
 - Off grid systems
 - Diesel
 - Windmills



NUNAVIK – BIODIVERSITY AND PERMAFROST

- Environment
 - Protected areas
 - Outfitting operations
 - Wildlife
- Adaptation to climate change



DOING BUSINESS IN QUÉBEC

- Principles
 - Complementary to local offer
 - Local partnership for a local presence
 - Partnership with Aboriginal companies (IBA's)
 - Climate conditions and local culture



Merci

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Québec 