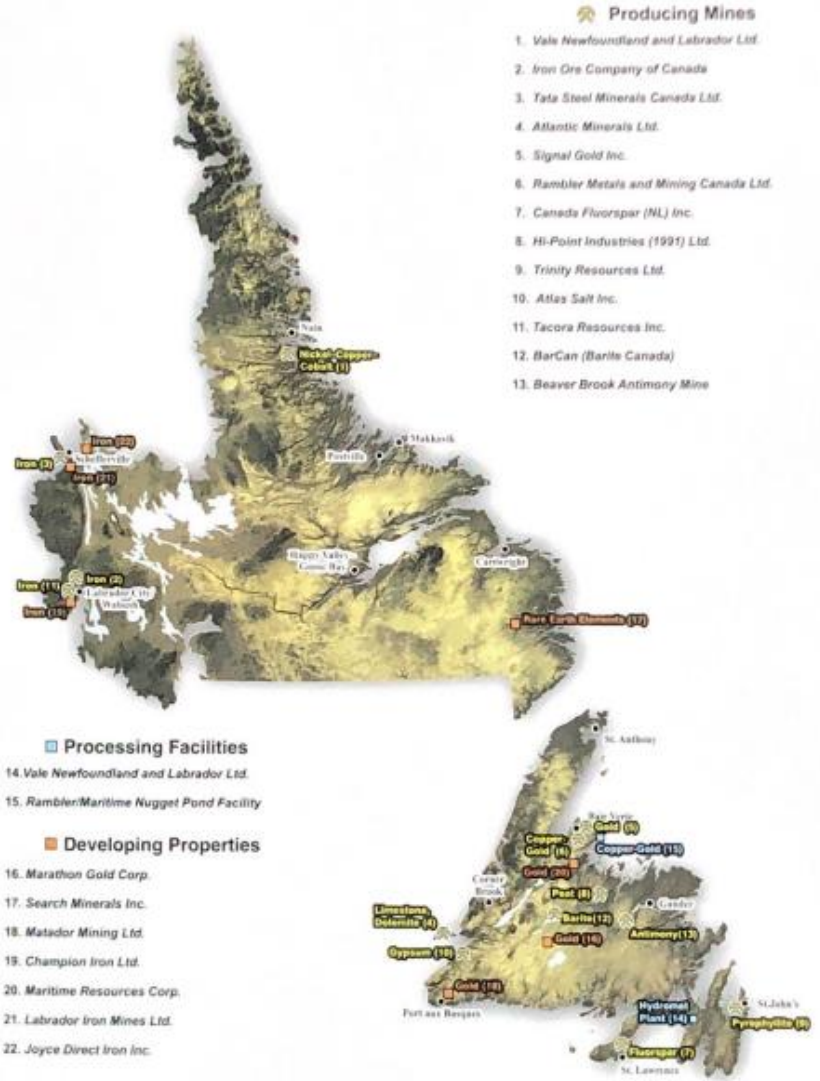




Remote Controlled: Newfoundland and Labrador *Preliminary Findings*

Leanna Butters & Dr. Kelly Vodden
Grenfell Campus, Memorial University
Northern Directions Conference
November 16, 2022

PRODUCING MINES, DEVELOPING PROPERTIES AND PROCESSING FACILITIES



- 13 active mines
- Seven developing properties
- Two processing facilities
- Minerals:
 - Iron ore
 - Gold
 - Nickel
 - Copper
 - Cobalt
 - Limestone
 - Dolomite
 - Gypsum
 - Peat
 - Barite
 - Antimony
 - Fluorspar
 - Pyrophyllite

Case Studies



Labrador West Region



Baie Verte Region

Methods

- Interviews with experts, mining companies and tech companies (1)
- Attending events (notes)
 - Minerals Resources Review (Nov. 2022)

Mineral Resources Review 2022



CANADIAN INSTITUTE OF MINING,
METALLURGY AND PETROLEUM,
NEWFOUNDLAND and LABRADOR BRANCH

in association with

NEWFOUNDLAND AND LABRADOR
DEPARTMENT OF INDUSTRY,
ENERGY AND TECHNOLOGY

November 1-4, 2022

Top technologies

Current

- Autonomous equipment
 - Software
- Remote operations

Future

- Environmental processes/technology
- Internet of things

Drivers

- Safety
- Efficiency
- Environment

Barriers

- Cost
- Staffing
- “The race to be second”

Top opportunities

- Programs supporting innovation
 - Funding programs
 - Tech competitions
- Increasing communication between sectors
- Micro-credential programs



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Thank you!



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