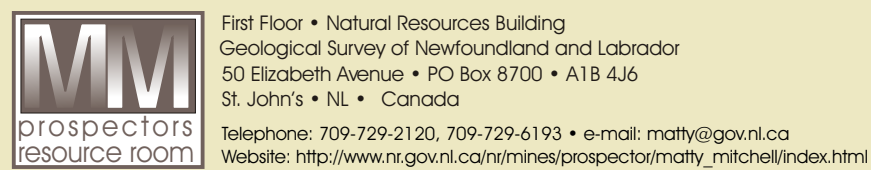


# A REPRESENTATIVE SELECTION OF PROPERTIES AVAILABLE FOR OPTION IN LABRADOR

Compiled by  
**The Matty Mitchell Prospectors Resource Room**  
 with the sponsorship of  
**Mining Industry NL and**  
**Department of Natural Resources, NL**  
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 (preliminary version)



### Prospective Environments (based on principal commodity)

- Volcanic rock-hosted base metals, includes VMS, Magmatic (komatiitic) and stockwork
- Carbonate-hosted base-metals
- Clastic sediment-hosted mineralization
- Volcanic redbed mineralization
- Olympic Dam type
- Precious metals
- Mafic rock-hosted magmatic mineralization
- Alkalic-peralkalic rock-hosted mineralization ± gold
- Volcanic and sediment-hosted Uranium mineralization
- Porphyry-style Molybdenum and Uranium; precious-and base metals
- Diamonds

### Mineral Commodities

- Cu ± Zn ± Au (VMS)
- Cu (VRC, redbed Cu)
- Sedex
- Zn-Pb (MVT, Irish-type)
- Stratiform Iron
- Au
- Mo-U (porphyry and related magmatic hydrothermal)
- Ni-Cu-Co ± PGE; Cr (magmatic)
- Ni-Cu; py and po (komatiitic)
- Fe-Ti (magmatic)
- Rare Metals (Zr, Y, Be, REE); and granophile element ± Au
- U
- Polymetallic vein
- Unspecified mineral environment (py, po, etc.)
- Industrial Minerals

In some cases, a circle represents more than one occurrence  
 Names of producers and past producers shown in **bold red** (not an all inclusive list)

#### CHURCHILL PROVINCE

Lower Proterozoic, high-grade and/or volcanic rocks of the Labrador Trough, reworked Archean rocks in the central area, high-grade metasedimentary rocks and intrusions along eastern margin, overlain by Mesoproterozoic and/or younger rocks.

VMS  
 Mesothermal Au  
 Iron Formation Au  
 SEDEX  
 MVT  
 Magmatic Ni-Cu; PGE; Cr  
 Granophile Elements  
 Rare Metals

#### NAIN PROVINCE

Archean amphibolite to granulite-facies gabbro intrusions with narrow supracrustal belts of mafic gabbro; gabbro and mafic rocks overlain unconformably by Paleoproterozoic sedimentary sequences, locally associated with mafic volcanics, intruded by Mesoproterozoic mafic and acid intrusions.

VMS  
 Magmatic Ni-Cu; PGE; Cr  
 SEDEX  
 Mesothermal Au  
 Granophile Elements  
 Rare Metals  
 Industrial Minerals  
 Diamonds

#### MAKKOVIK PROVINCE

Reworked Archean granulite facies of the southern Nain Province, Lower Proterozoic metasedimentary sequences, locally associated with mafic volcanics, intruded by Mesoproterozoic mafic and acid intrusions.

Epithermal Au  
 Mesothermal Au  
 SEDEX  
 Granophile Elements  
 (Mo, Sn, W)  
 Uranium  
 Rare Metals  
 Magmatic Fe-Ti  
 Industrial Minerals  
 Diamonds

#### SUPERIOR PROVINCE

Archean, granulite facies, magmatic ortho- and metasedimentary gabbros and lesser metavolcanic mafic rocks; magmatic tonalite.

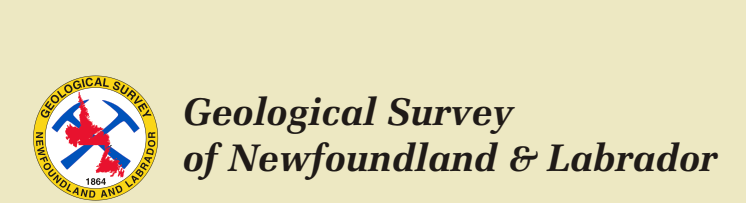
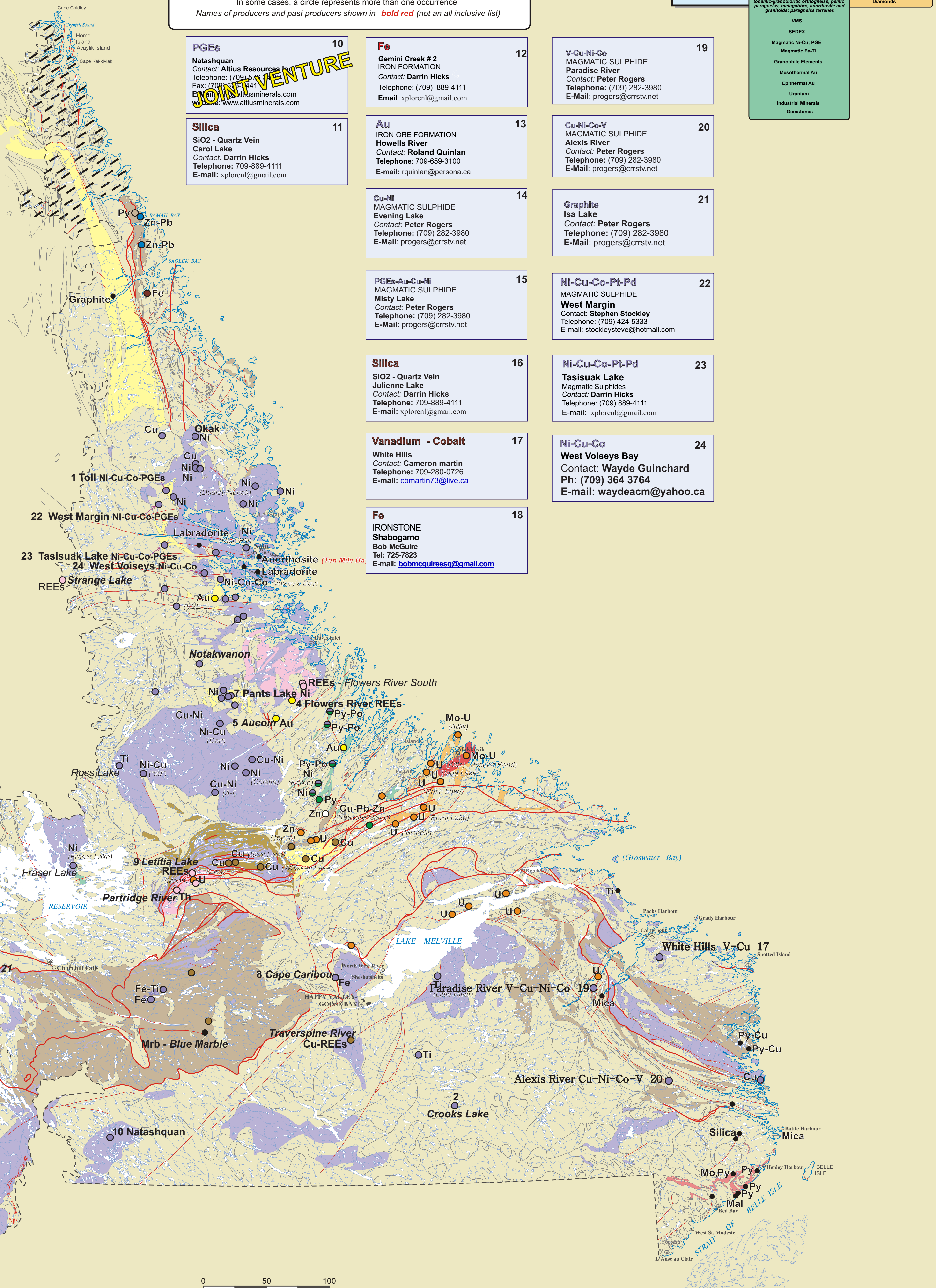
Mesothermal Au  
 Industrial Minerals

#### GRENVILLE PROVINCE

Lower to Middle Proterozoic high-grade metamorphic and associated plutonic rocks; mafic-granulitic, orthogneiss, quartz-paragneiss, metagabbros, anorthosites and granitoids; paragneiss terranes.

VMS  
 SEDEX  
 Magmatic Ni-Cu; PGE  
 Magmatic Fe-Ti  
 Granophile Elements  
 Mesothermal Au  
 Epithermal Au  
 Uranium  
 Industrial Minerals  
 Gemstones

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This is a simplified representation of prospective terranes based on selected commodities. The lists of commodities and environments are non-inclusive, exclusion of geological belts need not imply a lack of prospectivity.  
 This map does not represent a complete and accurate list of known mineral occurrences and deposits.