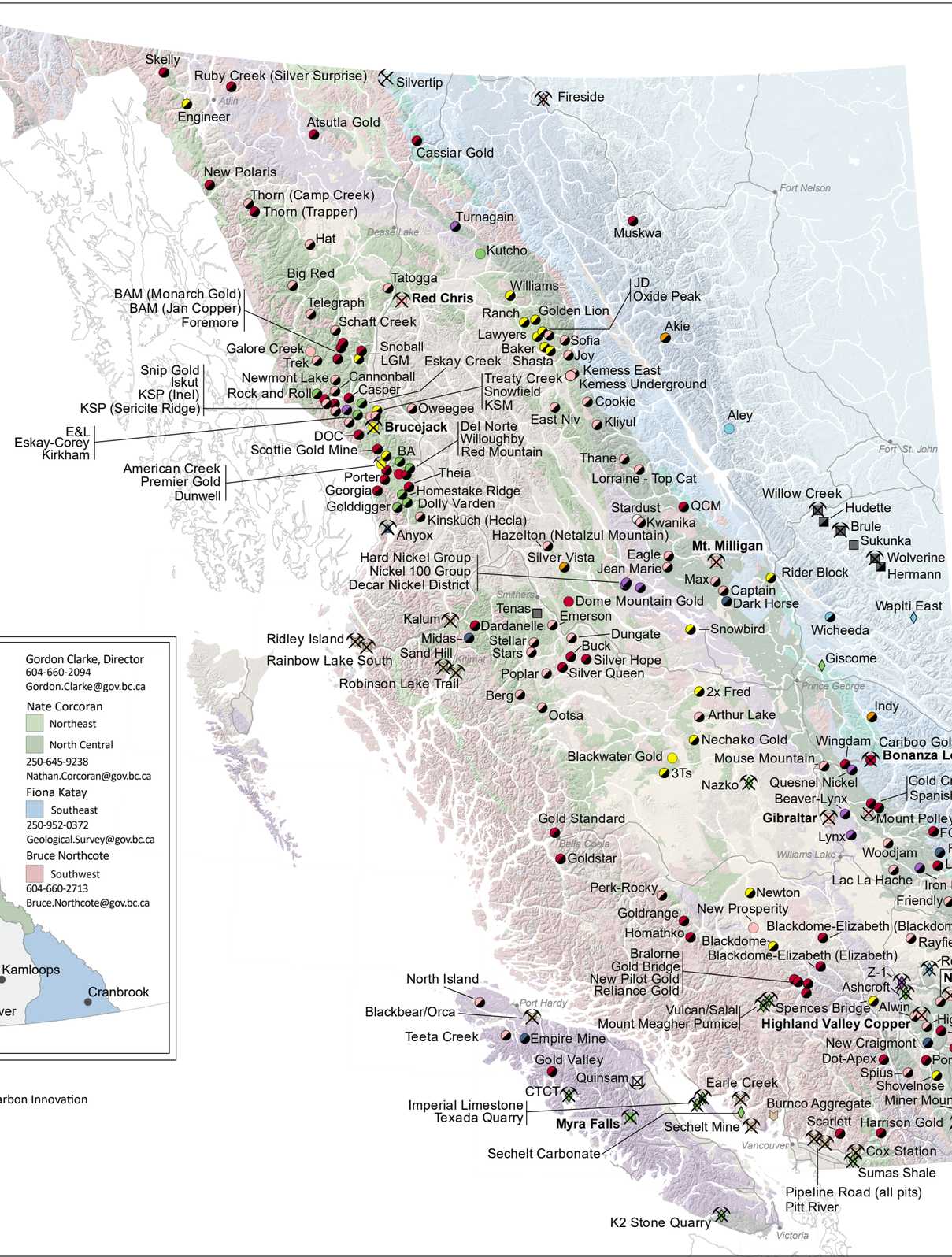

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British Columbia Geological Survey
Open File 2022-01

Mines, mine development, selected proposed mines, and selected exploration projects in British Columbia, 2021

Gordon Clarke, Bruce Northcote, Nate Corcoran, and Kirk Hancock

0 — 250 Kilometres

Property status (overlay on sector and predominant deposit group)

- Operating mine*
- Care and Maintenance **
- Mine development
- Proposed mine
- Exploration project
- Temporary shutdown

* Operated in, or for a portion of 2021
** Operated within the last 3 years

Sector and predominant deposit group (possible commodities listed beside)

Metal

- Porphyry - Cu, Mo, Au, Ag
- Vein, breccia, and stockwork - Au, Ag, Cu, Pb, Zn, Co, Te
- Sediment-hosted - Cu, Co, Pb, Zn, Au, Ag
- Epithermal - Au, Ag, Cu, Sn, Pb, Zn
- Marine volcanic association - Cu, Pb, Zn, Au, Ag
- Skarn - W, Cu, Fe, Au, Ag, Pb, Zn, Mo, Co
- Ultramafic/Mafic - Cu, Ni, PGE, Co, Au, Ag
- Manto - Ag, Pb, Zn
- Carbonatites - Nb, REE

Coal

- Metallurgical
- Thermal

Aggregate

- Aggregate

Industrial

- Industrial rocks - Andesite, basalt, dimension stone, limestone, marble, pumice, shale, silica
- Sediment-hosted - Bentonite, magnesite, barite, kaolin, talc
- Chemical sedimentary rocks - Gypsum, diatomite, phosphate
- Continental sedimentary and volcanic rocks - Zeolite, silica
- Metamorphic-hosted - Graphite

Miscellaneous

- Slag

Geology

Post accretionary assemblages

- Intrusives
- Supracrustal
- Neogene to Quaternary volcanic rocks

Terranes

- Outboard
- Alexander
- Wrangellia
- Cache Creek and affiliates
- Slide Mountain
- Stikinia
- Quesnellia
- Yukon-Tanana

Ancestral North America

- Cassiar
- Basinal strata
- Platformal strata
- Craton and cover

Clarke, G., Northcote, B., Corcoran, N.L., and Hancock, K., 2022. Mines, mine development, selected proposed mines, and selected exploration projects in British Columbia, 2021. British Columbia Ministry of Energy, Mines and Low Carbon Innovation, British Columbia Geological Survey Open File 2022-01.