

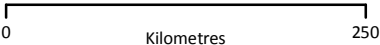


British Columbia Geological Survey
Open File 2019-01



Mines, mine development, selected proposed mines, and selected exploration projects in British Columbia, 2018

Gordon Clarke, Bruce Northcote, Fiona Katay, and John DeGrace
Cartography by Holly Arnold



Property status (overlay on sector and predominant deposit group)

- Operating mine*
 - Care and Maintenance**
 - Mine development
 - Proposed mine
 - Exploration project
- * Operated in, or for a portion of 2018
** Operated within the last 3 years

Sector and predominant deposit group (possible commodities listed beside)

- | Metal | Coal |
|--|-------------------------------|
| Porphyry - Cu, Mo, Au, Ag | Metallurgical |
| Vein, breccia, and stockwork - Au, Ag, Cu, Pb, Zn, Co, Te | Thermal |
| Sediment-hosted - Cu, Co, Pb, Zn, Au, Ag, V | |
| Epithermal - Au, Ag, Cu, Sn, Pb, Zn | Aggregate |
| Marine volcanic association - Cu, Pb, Zn, Au, Ag | Aggregate |
| 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 | |
| Industrial rocks - Andesite, basalt, dimension stone, limestone, marble, pumice, shale, silica | Gems and semi-precious stones |
| Sediment-hosted - Bentonite, magnesite, barite, kaolin, talc | Jade |
| Chemical sediment - Gypsum, diatomite, phosphate | Miscellaneous |
| Continental sediments and volcanics - Zeolite, silica | Clay |
| Metamorphic-hosted - Graphite | Tailings |

Geology

- | Post accretionary assemblages | | |
|-------------------------------|--------------|---------------------------------|
| Intrusives | Supracrustal | Neogene to Quaternary volcanics |
- | Terranes | |
|----------------------------|----------------|
| Outboard | Slide Mountain |
| Alexander | Stikinia |
| Wrangellia | Quesnellia |
| Cache Creek and affiliates | Yukon-Tanana |
- | Ancestral North America | |
|-------------------------|--|
| Cassiar | |
| Basinal strata | |
| Platformal strata | |
| Craton and cover | |

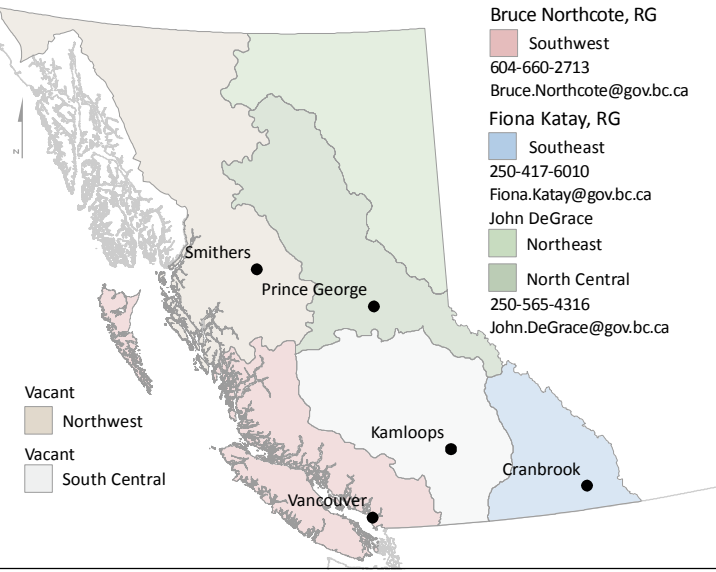
Mineral Development Office and Regional Geologist Contacts

Gordon Clarke, Director
604-660-2094
Gordon.Clarke@gov.bc.ca

Bruce Northcote, RG
Southwest
604-660-2713
Bruce.Northcote@gov.bc.ca

Fiona Katay, RG
Southeast
250-417-6010
Fiona.Katay@gov.bc.ca

John DeGrace
Northeast
250-565-4316
John.DeGrace@gov.bc.ca



British Columbia Geological Survey

British Columbia Ministry of Energy, Mines and Petroleum Resources

Adrian Hickin, Chief Geologist and Executive Director
Larry Jones, Resource Information Director
Fil Ferri, Acting Cordilleran Geoscience Director
Gordon Clarke, Mineral Development Office Director

Geological.Survey@gov.bc.ca
www.BCGeologicalSurvey.ca