



# The Golden Triangle of northwestern British Columbia



Ministry of  
Energy, Mines and  
Low Carbon Innovation

Information Circular 2022-05

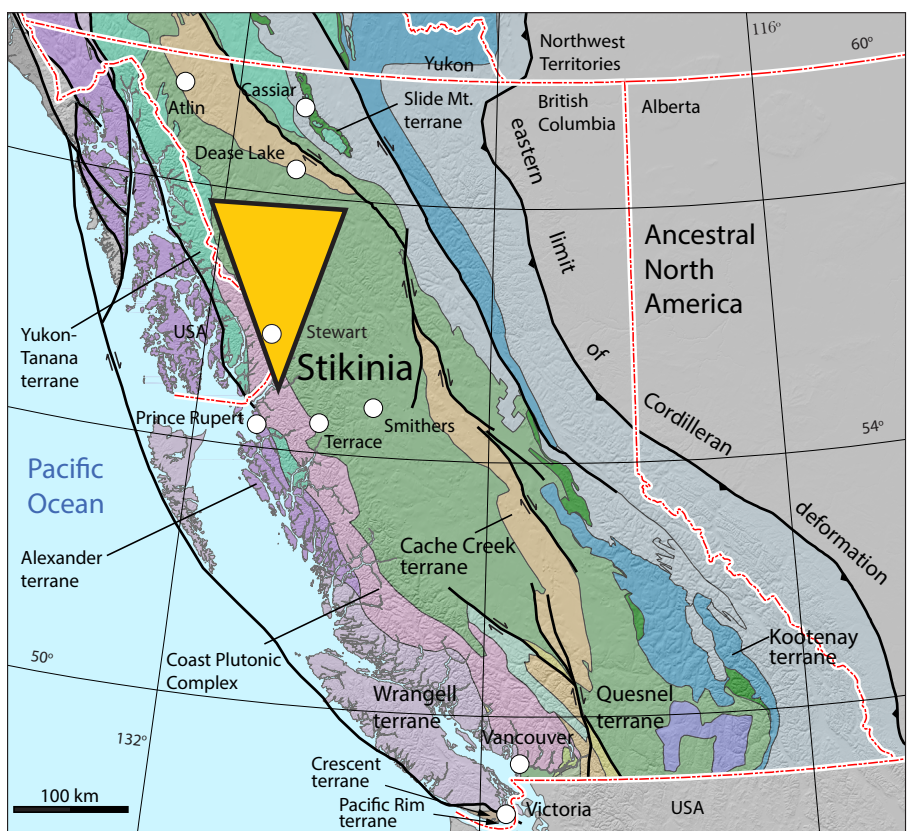




## Stikinia (Stikine terrane), home to the Golden Triangle

Stikinia is a long-lived oceanic arc terrane that extends for about 1000 km along the length of the Canadian Cordillera. Mineral deposits developed during

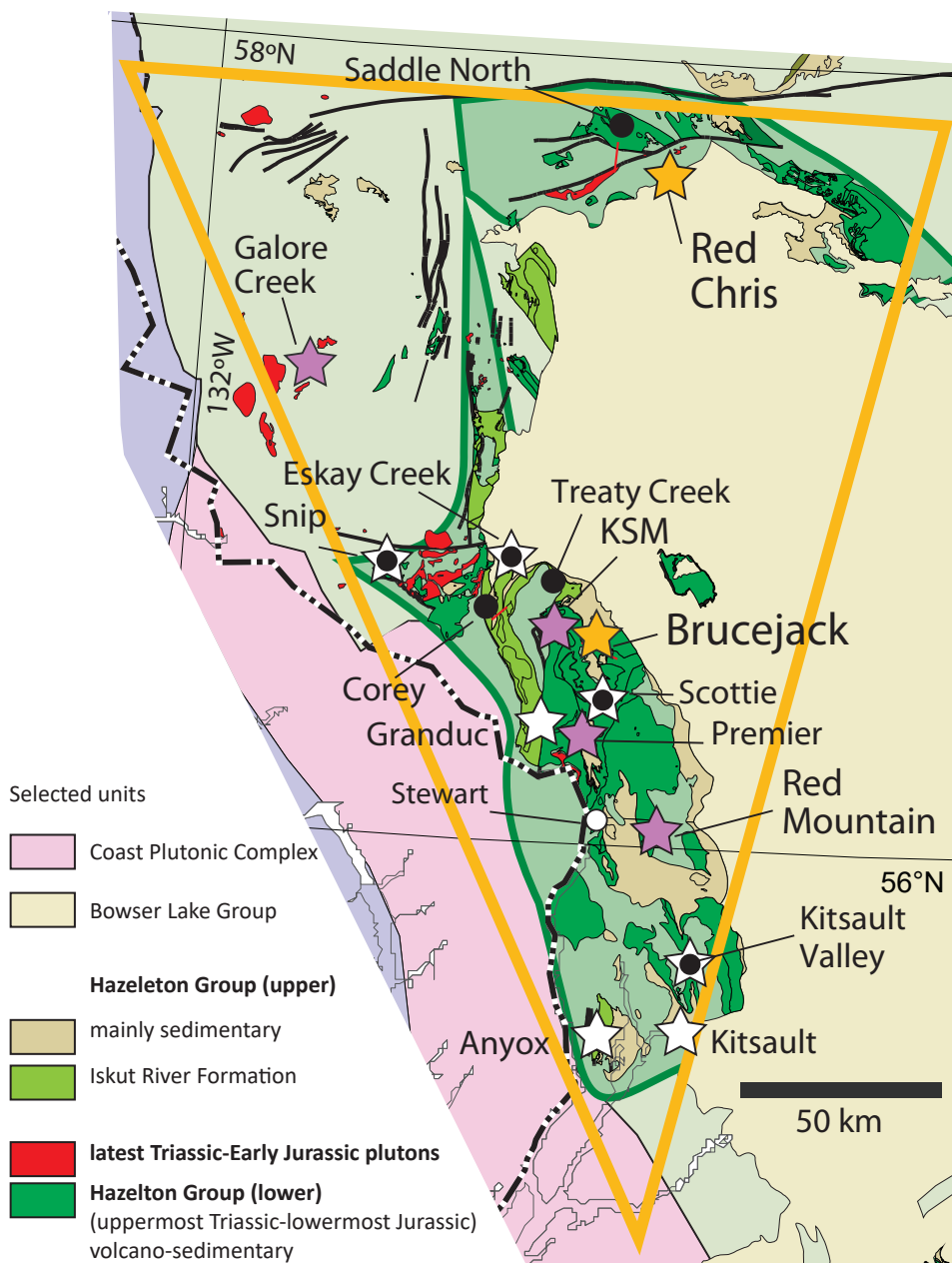
- accretion of terranes to the western margin of ancestral North America
- post-accretion deformation and magmatism





The Golden Triangle is the popular name for a loosely defined region that includes most of the major gold, silver, and copper deposits in west-central Stikinia.

- ★ current mine
- ★ proposed mine
- ☆ significant past-producing mine
- ☆● significant past-producing mine with new exploration
- selected exploration project

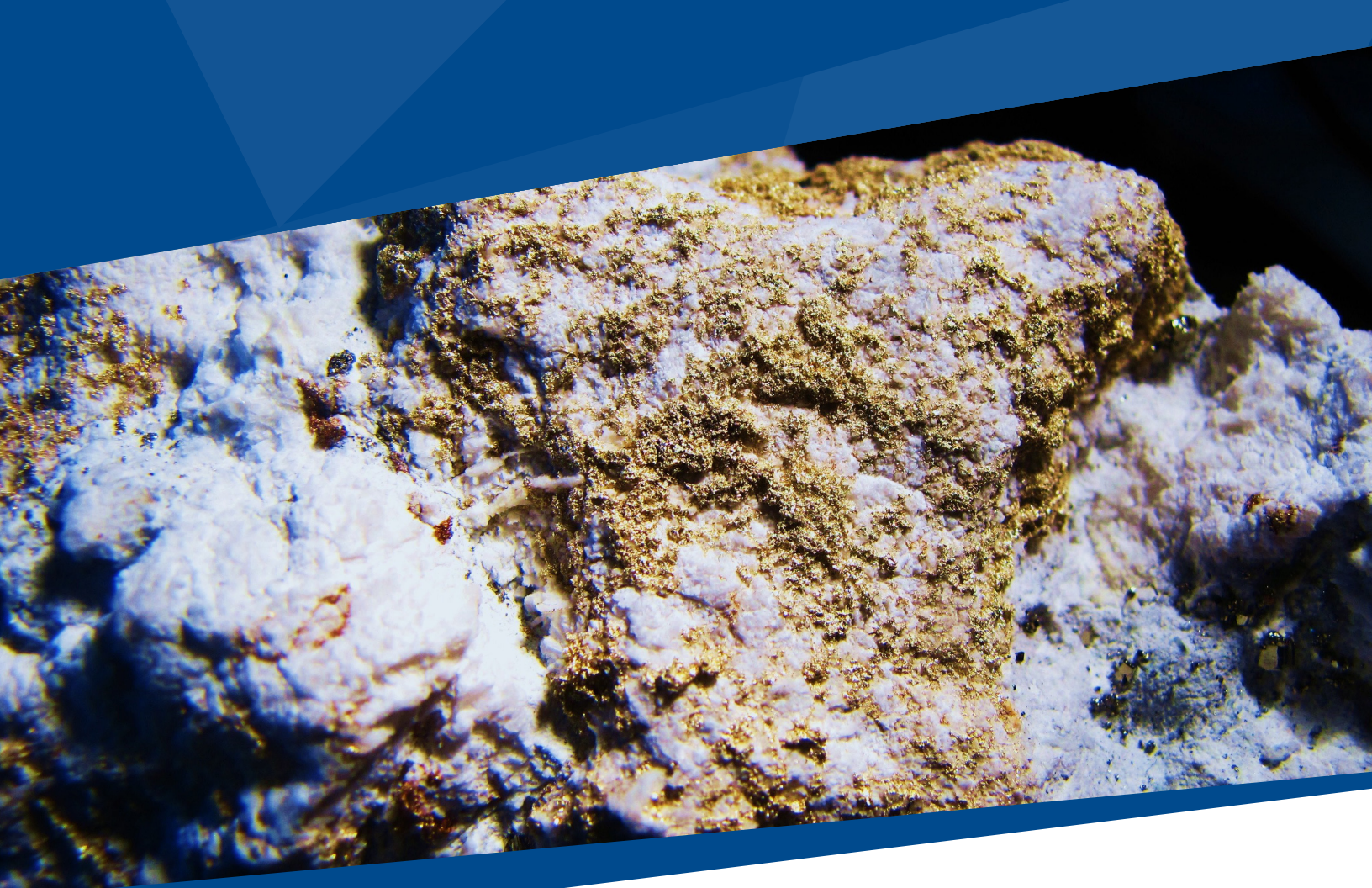


Most deposits in the Golden Triangle are related to the Hazleton Group and affiliated intrusions.



Enhanced infrastructure is encouraging exploration





## Past and current operating mines

More than 150 mines have operated in the region since prospectors first arrived near the end of the 19<sup>th</sup> century. Important past-producing mines include Granduc, Eskay Creek, Anyox, Kitsault, Premier/Dilworth, Dolly Varden, and Snip. Exploration continues at Eskay Creek, Premier/Dilworth, Dolly Varden (Kitsault Valley), Snip, and Scottie Gold Mine.

### **Brucejack mine** (Newcrest Mining Limited)

- epithermal gold-silver
- began commercial production July 2017
- Proven and Probable reserves<sup>1</sup>  
15.7 Mt at 8.4 g/t Au, 59.6 g/t Ag
- Measured and Indicated resources<sup>1</sup>  
23.2 Mt at 10.1 g/t Au, 65.5 g/t Ag
- Inferred resources<sup>1</sup>  
9.4 Mt, 10.3 g/t Au, 44.3 g/t Ag
- 2021 production: 346,068 oz Au, 463,941 oz Ag
- current mine life to 2034

### **Red Chris mine** (Newcrest Mining Limited 70%, Imperial Metals Corporation 30%)

- alkalic porphyry copper-gold
- began commercial production in 2015
- Proven and Probable reserves<sup>2</sup>  
301.5 Mt at 0.36% Cu, 0.27 g/t Au
- Measured and Indicated resource<sup>3</sup>  
980 Mt at 0.41 g/t Au, 0.38% Cu
- Inferred resources<sup>3</sup>  
190 Mt at 0.31 g/t Au, 0.30% Cu
- 2021 production: 65.43Mlbs Cu, 60,160 oz Au, 171,045 oz Ag

<sup>1</sup>Pretium Resources Inc, press release March 9, 2020; <sup>2</sup>Imperial Metals Corporation, 2012 technical report on the Red Chris copper-gold project, NI 43-101 filed February 14, 2012; <sup>3</sup>Newcrest Mining Limited, press release March 31, 2021.





## Proposed mines

### Galore Creek (Galore Creek Mining Corporation)

- alkalic porphyry copper-gold
- Measured + Indicated resource<sup>1</sup>  
1.104 Bt at 0.47% Cu, 0.26 g/t Au, 3.7 g/t Ag
- Inferred resource<sup>1</sup>  
198 Mt at 0.27% Cu, 0.21 g/t Au, 2.7 g/t Ag

### Premier (Ascot Resources Ltd.)

- epithermal gold-silver
- Proven + Probable reserves<sup>2</sup>  
3.63 Mt at 5.45 g/t Au, 19.11 g/t Ag
- Indicated resource<sup>2</sup>  
4.14 Mt at 8.01 g/t Au, 35.1 g/t Ag
- Inferred resource<sup>2</sup>  
5.06 Mt at 7.25 g/t Au, 28.7 g/t Ag

### KSM (Seabridge Gold Inc.)

- calc-alkaline porphyry Au-Cu-Ag-Mo
- Proven + Probable reserves<sup>3</sup>  
2.198 Bt at 0.55 g/t Au, 0.21% Cu, 2.6 g/t Ag, 42.6 g/t Mo
- Measured + Indicated resource<sup>3</sup>  
3.59 Bt at 0.49 g/t Au, 0.19% Cu, 2.7 g/t Ag, 53.0 g/t Mo
- Inferred resource<sup>3</sup>  
5.40 Bt at 0.36 g/t Au, 0.29% Cu, 2.2 g/t Ag, 31 g/t Mo

### Red Mountain (Ascot Resources Ltd.)

- vein, breccia, and stockwork gold-silver
- Proven + Probable reserves<sup>2</sup>  
2.54 Mt at 6.52 g/t Au, 20.60 g/t Ag
- Measured + Indicated resource<sup>2</sup>  
3.19 Mt at 7.63 g/t Au, 21.02 g/t Ag
- Inferred resource<sup>2</sup>  
0.41 Mt at 5.32 g/t Au, 7.33 g/t Ag

<sup>1</sup>Teck Resources Limited, 2020 annual information form, February 17, 2021; <sup>2</sup>Ascot Resources Limited, Premier & Red Mountain gold project feasibility study, NI 43-101 filed May 22, 2020; <sup>3</sup>Seabridge Gold Inc. NI 43-101 compliant estimates, March 2022.





## Selected 2021 exploration project updates

### Saddle North (Newmont Corporation)

- alkalic porphyry copper-gold-silver
- Indicated: 298 Mt at 0.28% Cu, 0.36 g/t Au, 0.8 g/t Ag<sup>1</sup>
- Inferred: 543 Mt at 0.25% Cu, 0.31 g/t Au, 0.7 g/t Ag<sup>1</sup>
- May 2021, Newmont acquired ownership of GT Gold Corp. (and the Saddle North property) for approximately C \$456 million

### Corey (Eskay Mining Corp.)

- marine volcanic Au, Ag, Zn, Cu, Pb
- 23,500 m diamond drilling in 2021

### Kitsault Valley (Dolly Varden Silver Corporation)

- volcanogenic massive sulphide and epithermal silver-lead-zinc (past producer)
- Indicated: 3.42 Mt at 299.8 g/t Ag<sup>2</sup>
- Inferred: 1.285 Mt at 277.0 g/t Ag<sup>2</sup>
- 11,500 m diamond drilling in 2021

### Eskay Creek (Skeena Resources Limited)

- volcanogenic massive sulphide Au-Ag-Zn-Pb (past producer)
- Measured + Indicated: 37.65 Mt at 3.1 g/t Au, 82.8 g/t Ag<sup>3</sup>
- Inferred: 5.24 Mt at 1.0 g/t Au, 25.0 g/t Ag<sup>3</sup>
- 38,000 m diamond drilling in 2021

<sup>1</sup>GT Gold Corp. technical report on the Saddle North copper-gold project, Tatogga property, NI 43-101 filed August 20, 2020; <sup>2</sup>Dolly Varden Silver Corporation, technical report and mineral resource update for the Dolly Varden property, British Columbia, Canada, NI 43-101 filed June 21, 2019; <sup>3</sup>Skeena Resources Limited, press release April 7, 2021.



### SNIP (Skeena Resources Limited)

- intrusion-related vein Au
- Indicated: 539,000 t at 14.0 g/t Au<sup>1</sup>
- Inferred: 942,000 t at 13.3 g/t Au<sup>1</sup>
- 42,000 m diamond drilling in 2021

<sup>1</sup>Skeena Resources Ltd. Independent Technical Report for the Snip Project, Canada NI 43-101, September 3rd, 2020

### Treaty Creek (60% Tudor Gold Corp, 20% Teuton Resources Corp., 20% American Creek Resources Ltd.)

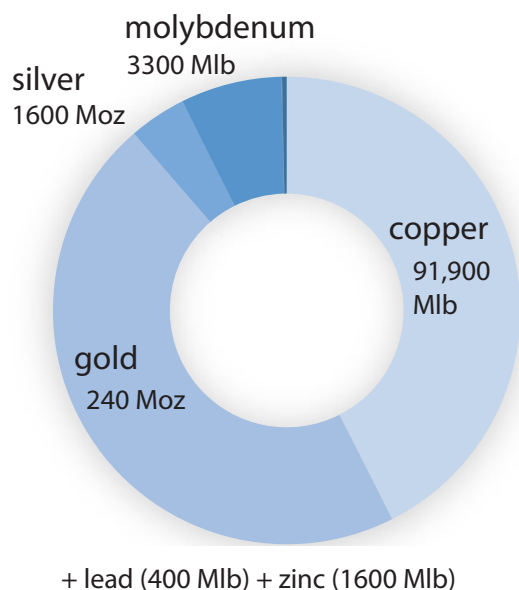
- alkalic porphyry Cu-Au; epithermal Au-Ag-Cu
- Measured + Indicated 815.7 Mt at 0.66 g/t Au, 3.6 g/t Ag, 0.06% Cu<sup>2</sup>
- Inferred 311.7 Mt at 0.72 g/t Au, 4.0 g/t Ag, 0.05% Cu<sup>2</sup>
- 45,500 m diamond drilling in 2021

<sup>2</sup>Tudor Gold Corp. technical report and initial mineral resource estimate of the Treaty Creek gold property, NI 43-101 filed April 26, 2021.

### Scottie Gold Mine (Scottie Resources Corp.)

- intrusion-related vein Au
- 12,600 m diamond drilling in 2021

## Total estimated endowment \$1280 billion (Can)\*



Based on total compliant reserves and resources as of December 31, 2021 from DigiGeoData <https://digigeodata.com/area/golden-triangle/>

Commodity prices (\$US) as of April 25, 2022: Au \$1931/oz, Ag \$24.26/oz, Cu \$4.60/lb, Mo \$21.09/lb, Pb \$1.08/lb, Zn \$2.01/lb. \*Exchange rate \$1 Can = \$0.77 US.







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