

# British Columbia Geological Survey Open House

November 2, 2023

## Program

Intended to profile Survey activities and current research, this event will feature a full day of short presentations about new Survey initiatives and research projects, offer participants opportunities to explore shared, overlapping, or cross-disciplinary research, and provide a venue for British Columbia geoscientists to interact with new Survey staff.

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9:00	<b>Doors open</b>
9:25 - 9:30	<b>Welcome and territorial acknowledgement</b>
9:30 - 10:30	<b>Session 1, British Columbia Geological Survey initiatives</b>
9:30 - 9:50	<b>Adrian Hickin</b> , The Survey and its projects
9:50 - 10:00	<b>Yao Cui</b> , What is geoscience spatial data infrastructure and why do we need it?
10:00 - 10:10	<b>Rafael Bacha</b> , Geologically engaging with Indigenous Peoples in BC
10:10 - 10:20	<b>Ruohong Jiao</b> (University of Victoria), Low-temperature thermochronology for tectonic evolution of mountain belts
10:20 - 10:30	<b>Cary Pothorin</b> , The Regional Geologist Program at the Survey
10:30 - 11:00	<b>Coffee</b>
11:00 - 12:00	<b>Session 2, Province-wide programs</b>
11:00 - 11:10	<b>Jessica Norris</b> , The people and projects of the Mineral Resources Information team
11:10 - 11:20	<b>Gabe Fortin</b> , The people and projects of the Geomatics Information team
11:20 - 11:30	<b>Curran Wearmouth</b> , Mineral potential modelling at the British Columbia Geological Survey
11:30 - 11:40	<b>Kaitlyn McLaren</b> , Survey 123: Digital data collection on the outcrop
11:40 - 11:50	<b>Randy Enkin</b> (GSC) Physical properties, mineralogy, and very preliminary results of the BCGS-GSC critical minerals collaboration
11:50 - 12:00	<b>Alexei Rukhlov</b> , Geochemical signals of carbonatite-related critical metals in provincial drainage sediments
12:00 - 1:30	<b>Lunch (provided)</b>

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1:30 - 2:40

### Session 3, The north

1:30 - 1:55

**JoAnne Nelson** (keynote), A decade of BCGS activities in the Golden Triangle: The beginnings

1:55 - 2:10

**Bram van Straaten**, A decade of BCGS activities in the Golden Triangle: A new metallogenic model

2:10 - 2:20

**Matthew Brzozowski**, Mineralization in the E&L Ni-Cu-PGE sulphide deposit: Preliminary textural evidence for contamination, vapor saturation, fluid immiscibility, and metal remobilization

2:20 - 2:30

**Evan Orovan**, Textural evidence for ore fluid transport and the magmatic to hydrothermal transition at Kitsault Mo-Ag deposit

2:30 - 2:40

**Roddy Campbell**, Preliminary mapping in the Atlin area with implications for possible Cretaceous porphyry and Permo-Triassic massive sulphide mineralization

2:40 - 3:10

### Coffee

3:10 - 3:40

### Session 4, The south

3:10 - 3:20

**Paul Schiarizza**, Eastern Quesnel terrane, south-central British Columbia

3:20 - 3:30

**Wyatt Bain**, Ore textures and alteration from limestone-hosted magnetite deposits on Vancouver Island

3:30 - 3:40

**Easton Elia**, Remotely piloted aircraft system lidar for surficial geology mapping

3:40 - 3:45

**Wrap up followed by social event at Sticky Wicket**

