

# Southern BC Porphyry Deposit Field Course



## Overview

This six-day long field trip focuses on the diverse porphyry Cu-Au systems in the prolific Late Triassic Quesnel Terrane (Quesnellia) of southern British Columbia. Participants are exposed to various types of porphyry deposits, mineralization and alteration styles, mining methods, and background lectures near Kamloops and in the Copper Mountain district. Emphasis is placed on alkalic porphyry systems, characteristic of regional porphyry metallogeny. The region is well-exposed and the open pits and surrounding outcrops provide a fantastic natural laboratory.

## Course Content

Discussions of the regional geology provide context to the nature of the Late Triassic arc whence the deposits formed. Evening lectures will provide insight, context and an opportunity for discussion and socializing.

Course exercises comprise the mapping of alteration, lithology, mineralization, and structures associated with porphyry deposits. We focus on field techniques and methodology, as well as alteration characterization as it applies to porphyry exploration. Participants will be well exposed to the field geology of alkalic porphyry Cu-Au systems.

We also introduce the Anaconda Mapping Method, which can be variably practiced at surface and bench mapping scales, as well as a modified approach for core-logging developed by MDRU.

Participants with an interest in porphyry copper systems, particularly the alkalic variety, and an appreciation of alteration types and styles will get the greatest benefit from this course.

## June 9-15, 2018 Princeton & Kamloops, BC

**Course Leaders:** MDRU Researchers Murray Allan, Farhad Bouzari, Rob Lee & Craig Hart

**Participants:** Economic geologists, mineral industry professionals, researchers and graduate students. Maximum 20.

**Transportation:** SUV ground transportation leaving Vancouver June 10th and returning to Vancouver June 15th. Transportation to all field sites near Kamloops and Princeton will be provided.

**Accommodation:** Five nights of double-occupancy hotel accommodation provided in Kamloops and Princeton.

**Meals:** Lunches and a welcome and farewell BBQ are included. Other meals in Kamloops and Princeton at hotels or local restaurants are covered by the participant.

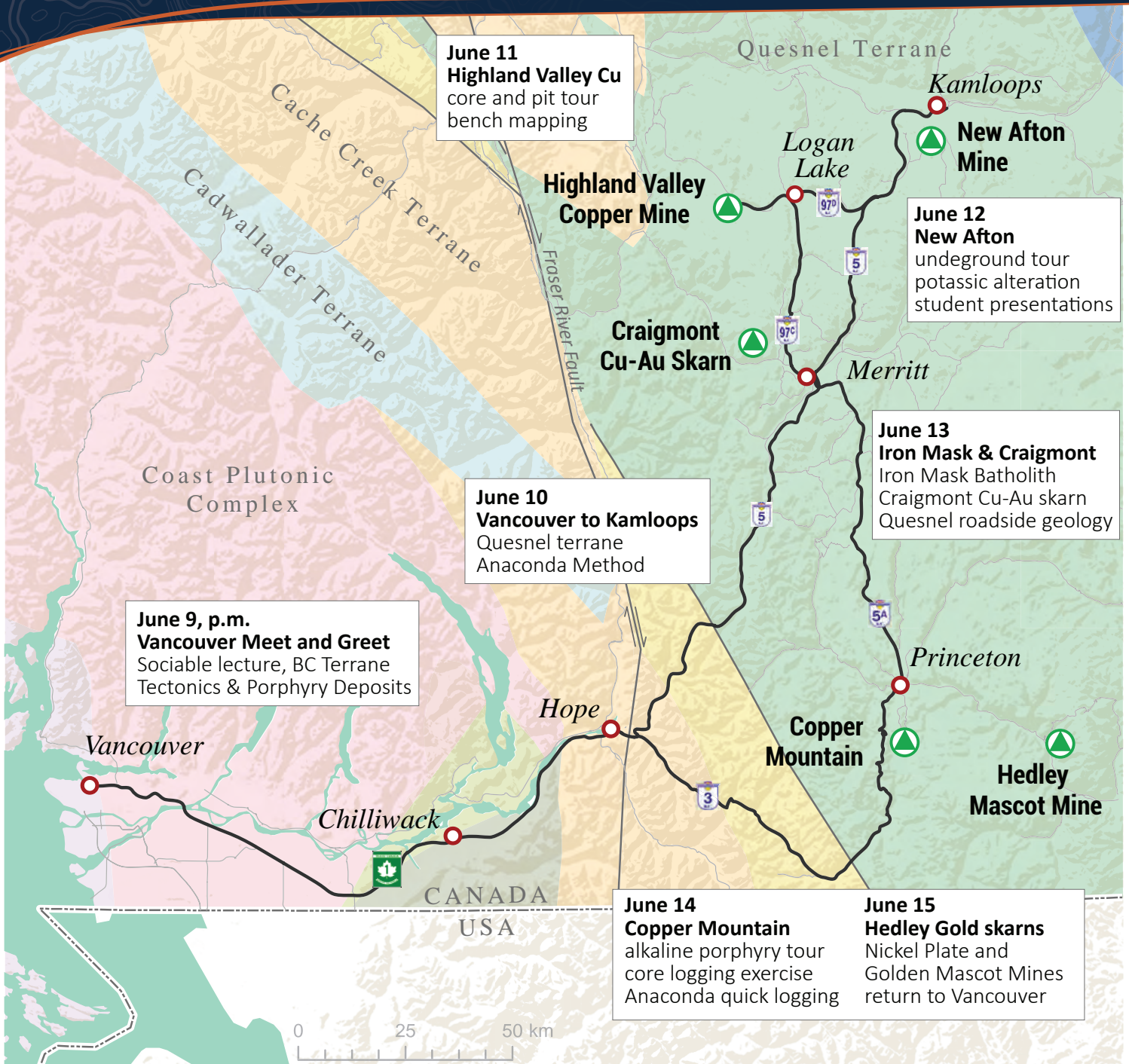
**Course Materials:** A printed hard-copy guidebook with relevant information and technical papers and a regional geologic map is included.

**Participation certificates** indicate 50 hours

**Additional Information:** Participants should be comfortable underground, in open pits and on uneven terrain. Be prepared for all weather conditions, including cold and wind. Participants must bring their own outdoor field equipment and PPE.

**Cost (\$CAD)** \$2250 + GST

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**Registration** <http://rfg2018.org/>

Short course operates through a partnership between MDRU and the Resources for Future Generations (RFG) 2018 conference.

