

## Lekcin Ni-Cu-PGE Mineral Property Field Trip Summary

### Simon Fraser University Society of Economic Geologists Student Chapter

**James Rogers**

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The Society of Economic Geologists Student Chapter at Simon Fraser University (SFU) organized a field trip for members to tour and participate in bedrock mapping of the Lekcin grassroots Ni-Cu-PGE mineral property near Hope, BC. The site visit and mapping program was organized and led by members of the student chapter as an opportunity for participants to gain experience in bedrock mapping, field-work, prospecting, and mineral exploration.

The field trip group of eight members mobilized on September 19 from SFU using three vehicles. The group arrived in the evening and set up camp at BC Parks' Emory Creek Campground nearby the Lekcin property and 1.5hrs by paved road from SFU. In the morning, the group was divided into 3 teams, each having a team leader familiar with the property. Field gear was lent from 3H Geological and distributed so one group had an emergency satellite phone; each group had radio communication, area maps, and first-aid; and each individual had appropriate safety equipment and a GPS.

After planning each group's traverse, camp was demobilized and the group travelled to the town of Hope to pick up breakfast and lunch for the day. The Lekcin property was accessed via 11 km of the gravel surfaced American Creek East FSR which starts at km 6.5 North of Hope, BC along the Trans-Canada Fraser Canyon Highway.





Three separate traverses were carried out as follows:

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### Traverse 1

**Members:** Chris Paul, Dillon Hume

**Area:** South Lekcin magnetic anomaly

**Objective:** Map bedrock and quaternary exposures around a magnetic anomaly while collecting stream sediments from drainages crossed during traverse.



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### Traverse 2

**Members:** Mike Blady, Caitlin Verhagen, Julia Marsh

**Area:** Garnet Creek

**Objective:** Collect stream sediment samples from Garnet Creek and tributaries and map bedrock and quaternary exposures along a regional magnetic high.



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### Traverse 3

**Members:** Rita Dubman, Carly Smithe, James Rogers

**Area:** Big Nic BC Minfile #092HSW168

**Objective:** Investigate the Big Nic massive-sulphide showing, collect stream sediment samples along a SW trending unnamed creek, collect soil samples along NE trending lineation North of the Big Nic showing, map bedrock geology and quaternary cover while completing objectives.



All three traverses' objectives were completed safely and 20 rock samples and 10 sediment samples were collected. Data collected from the mapping program will be incorporated into the upcoming assessment report filing for the Lekcin property.

This was a successful field trip and all participants were actively involved in mapping and sampling and practiced valuable field skills applicable to work in economic geology.