



T. ILLIDGE AND W. GRUENWALD

CLAIM MAP

HOPE CREEK PROPERTY

Lillooet Mining Division, B.C.

Drawn by: EG	Scale: 1:20,000
Date: December 2000	Figure: 2

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708 → Hope Ok
(256-02)

HOPE CREEK PROPERTY

(VMS Cu & Skarn Cu, Zn, Au, Ag)

Location and Access:

The property is situated in southwestern British Columbia 30 kilometres south-southwest of the town of Gold Bridge. Coordinates are 501000E, 5605500N (Grid Zone 10U) on NTS Map No. 092J/10W. Access is via the Hurley River Road between Gold Bridge and Pemberton. New logging roads provide good access to the claims.

Claims:

The property is comprised of 32 units (800 ha) recorded in the Lillooet Mining Division. Claims are in good standing to 2003.

History:

The claims are situated southwest of the Bridge River mining camp, the foremost gold producing district in the province. Mining activity dating back to the 1920s is recorded on several occurrences near Tenquille Lake approximately 7 km southeast. In the early 1990s, Teck conducted exploration in the area that included airborne geophysical, mapping and geochemical surveys (AR #21,273). Follow-up work was recommended but was not carried out and the claims were allowed to lapse. Subsequent work by prospector Peter Newman resulted in the discovery of significant copper mineralization in the vicinity and extending southeast of an airborne EM conductor delineated by Teck. Two claims were staked but allowed to lapse. In 1997 Mr. Tom Illidge staked four units to cover a zinc showing discovered in a recently logged area. Ground that came open to the north was later added to the property. Geochemical and geological assessment work was conducted in 1998 and 2000.

Geology:

The Hope Creek property lies within northwesterly trending Triassic Cadwallader Group sediments and volcanic rocks. These are encompassed and intruded by granitic intrusions of the Coast Plutonic Complex. The Cadwallader rocks are part of an island arc assemblage that is geologically similar to the Gambier Assemblage that is known to host VMS mineralization. Observed lithologies on the property include gentle to steeply northeast dipping, northwesterly striking andesitic and rhyolitic flows and fine to coarse-grained pyroclastic rocks. Situated just east of the property is a large area of Tertiary volcanics. Chlorite-epidote alteration is evident in the volcanics and showing areas. Teck described the "presence of pyritic quartz-sericite schist in and proximal to vent areas." In areas further north the Teck work also described a major north to northwest trending fault that is evident as an air photo linear and brecciation/alteration.

Mineralization:

At least two types of mineralization have been discovered on the property, namely *disseminated to semi-massive pyrite-sphalerite* and *skarn hosted magnetite-copper-zinc mineralization*. The first type (No. 1 Showing) is hosted by a chloritic volcanics. Sampling has yielded values of up to 6.4% Zn, 2.70 oz/ton Ag and 0.045 oz/ton Au. The second type of mineralization (No. 2 Showing) is related to a zone of strongly epidotized fragmental volcanics that host a north-northwest trending, steeply east dipping band of semi-massive magnetite-garnet with chalcopyrite and malachite. A two metre chip sample yielded 0.17% copper and 0.14 % zinc. Another magnetite occurrence, discovered 78 metres northerly, returned 0.24% copper as well as anomalous amounts of silver, bismuth and molybdenum. The ground acquired in late 1999 covers *volcanic hosted copper mineralization* that occurs sporadically over 1.4 km. Grades of 0.5- 4% Cu were reported by Mr. Newman.

Results:

Soil and stream sampling in the area of the No.1 and 2 showings reveals anomalous copper and zinc values over an area considerably larger than the known mineralization. A northwesterly projection of the No 1 showing coincides with highly anomalous copper, zinc and lead in soils. Stream samples approximately 200 metres west and uphill of the No.1 showing contain highly anomalous amounts of copper and zinc suggesting the presence of nearby mineralization.

Comments:

To date, only a fraction of the property has been explored. The mineral occurrences and their geologic setting combined with the available infrastructure offer good exploration potential for VMS and skarn deposits.

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