

BIG PROPERTY
LILLOOET MINING DIVISION, B.C. - NTS 920/2E
RELAY CREEK RESOURCES LTD.

Location and Access

20 km northeast of Goldbridge above tree line on Big Sheep Mtn. Access is by logging roads up Relay and Noaxe Creeks from Carpenter Lake.

Mineral Property

Two Modified Grid claims comprising 36 units are held by option by Relay Creek Resources. Consolidated CSA Minerals (ex DuPont) is the vendor.

Geological Setting

The property is immediately south of the Yalakom Fault along which late Paleozoic sediments are intruded by ultramafic bodies with some mercury occurrences.

Big Sheep Mtn. is underlain principally by late Cretaceous sediments which are intruded by feldspar porphyries and a 450 by 300 metre rhyolite porphyry plug and associated felsic pyroclastics at the summit of the mountain.

Mineralization

A soil and talus fines geochemical anomaly trending north-south and measuring 900 by 300 metres is centred on the argillically altered rhyolite plug. Values within this area exceed 100 ppb gold and 2 ppm silver.

Late Cretaceous sediments contain disseminated pyrite and pyrrotite and minor sphalerite and chalcopyrite. Tetrahedrite occurs in vuggy quartz veinlets within the rhyolite plug. One character sample assayed 0.557 opt gold and 15.7 opt silver.

Work to Date

The property was located by DuPont in 1980 following a regional silt sampling program. Subsequent work has included soil and rock geochemistry and geological mapping.

Work by Relay Creek in 1986 included the extension of the logging road to Big Sheep Mtn summit and geological mapping and sampling of road cuts. Variably altered feldspar porphyry is fractured and quartz veined along the last 350 metres of road. Rock samples yielded values of up to 7.7 ppm silver and 760 ppb gold. Quartz veinlets in a stockwork near the end of the road are subparallel and dip to the north suggesting a source below the summit of Big Sheep Mtn.

Exploration Potential

This property is considered to have good potential for Tertiary precious metals mineralization similar to nearby Blackdome. Only preliminary work has been completed to date and a large area of anomalous gold and silver values in soils and rocks remains to be tested.

Mitigating against the obvious property potential is the underlying agreement with CSA Minerals. Payments of \$10,000 annually are payable through 1991 after which advance payments of \$20,000 yearly are due on a 2.5% NSR. Work commitments of \$75,000 annually are in effect following periods when the gold price exceeds \$350 US.