

NAME OF PROPERTY

VANCOUVER (LONE STAR)

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 500.

Lat. 54°48'

Long. 127°14'10"

Mining Division Omineca

District

Range 5 Coast

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The claims are underlain by Jurassic volcanic rocks, mostly purple hued, finely crystalline andesite flows that are intercalated with beds of red tuff and red volcanic breccia. Some of the lavas are green, and a few contain amygdules of quartz and calcite.

In the adit on the south side of the creek the zone strikes south 50 degrees east and dips 65 degrees southwest. It is 2 to 4 feet wide for 75 feet from the portal, and includes several parallel fissures. Between 75 and 140 feet from the portal these diverge to lend the zone a maximum width of about 18 feet, and from there converge to a more normal overall width of 4 feet at the face of the adit, 160 feet from the portal. Red andesite and red tuff beds that form the country rock are bleached to a greyish colour along the shear zone, and this altered rock is traversed by many sulphide stringers and veinlets, most of which are less than $\frac{1}{4}$ inch wide, with one lenticular vein increasing to 6 inches at 100 feet from the portal. The sulphide veins and veinlets are composed of sphalerite, galena, pyrite, and chalcopryrite. There is an insufficient concentration of sulphide along the course of the shear zone to afford a large, low-grade orebody, but small shoots of ore grade are present along the zone.

Associated minerals or products of value - Lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at about the 2,400 foot elevation on Simpson Creek, on the east side of Hudson Bay Mountain, $2\frac{1}{2}$ miles northwest of Smithers.

The Lone Star group of 6 claims was owned by the Jennings Brothers in 1916. Exploration work was done in 2 adits totalling 220 feet on the north side of the creek, and in a 120 foot adit on the south side of the creek. The Lone Star Mining & Milling Company, Limited, was incorporated in January 1917. No further work was reported. The company charter was surrendered in 1922.

The showings were restaked as the Vancouver group of 4 claims by Fred Castell of Smithers in 1926. About 200 feet of drifting and crosscutting was apparently carried out in 1926. A small amount of ore was shipped in 1935 under the name J.M. Sloan.

The old Vancouver property was held in part by Buval Mines Ltd. in 1966. No work was reported.

120824

HISTORY OF PRODUCTION

In 1925, 25 tons of ore were shipped from this property. From this ore 41 ounces of silver, 815 pounds of lead, and 255 pounds of zinc were recovered.

REFERENCES

- Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 126, Geol. Surv. of Canada, 1954.
- Reports of Minister of Mines, British Columbia: 1916, p. 122; 1926, p. 132; 1935, p. A 24; 1966, p. 91.
- Jones, R.H.B.; Geology and Ore Deposits of Hudson Bay Mountain, Coast District, B.C.; Summary Report 1925, Pt. A., p. 137, Geol. Surv. of Canada.

MAP REFERENCES

- Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.
- Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.
- Sketch Map of Hudson Bay Mountain, (Geol. and Mineral Deposits), Sc. 1":1 mile - accomp. Paper 36-20, Geol. Surv. of Canada.
- Map 5319 G, Smithers, (Aeromag.), Sc. 1":1 mile.
- #Map 93 L/14 W, Smithers, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR						
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