

NAME OF PROPERTY

GLACIER GULCH (SOUTH SIDE)

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 200. Lat. 54°49'25" Long. 127°16'12"

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

A silver-lead-zinc vein lies exposed between elevations of 2,850 and 3,300 feet about 700 feet northeast of the gold-bismuth deposits. It extends up a steep slope through a vertical distance of 450 feet and a horizontal distance of 500 feet. The vein occurs along a fault fissure and is enclosed in fine-grained andesite flows except at the upper end where it passes into tuffs. It strikes from south 20 to 40 degrees west and dips from 40 to 60 degrees northwest. The vein consists of banded alternations of calcite, siderite, galena, sphalerite, arsenopyrite, and pyrite, with a little quartz and in places some tetrahedrite. It ranges from 4 to 18 inches in width. The wall-rock adjoining the vein is bleached for widths of a few inches to 1 foot or 2 feet.

At elevation 2,950 feet an adit has been driven 80 feet southwest along the vein. In the adit the vein ranges from 5 to 10 inches wide and is mineralized throughout. An 8-inch channel sample taken across the vein from the roof of the adit, 10 feet from the portal, assayed: gold, 0.015 ounce a ton; silver, 6.5 ounces a ton; lead, 4.41 per cent; and zinc, 1.66 per cent. A 6-inch channel sample taken across the vein at the face of the adit assayed: gold, 0.06 ounce a ton; silver, 17.69 ounces a ton; lead, 1.10 per cent; and zinc, 2.66 per cent.

Associated minerals or products of value - Gold, lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The showings are located between elevations of 2,800 and 3,300 feet on the south side of Glacier Gulch, 5 miles northwest of Smithers. Gold-bismuth showings are located about 700 feet to the southwest (93 L/14, AU 8).

The Glacier Gulch group, covering ground on both sides of Glacier Gulch, was owned by S.F. Campbell, G.E. Loveless, and Wesley Banta from about 1926. The South Side showings were discovered in 1934. Exploration and development work was done in open cuts, a 14 foot adit at the 3,085 foot elevation, and a 80 foot adit at the 2,950 foot elevation. In the autumn of 1937, 29 tons of ore were shipped to Trail.

The Glacier Gulch No. 3 & 4 and Coronation claims were optioned from Herbert Porter, of Manson Creek, in June 1950 by L.W. Brodie, John Borne, and associates, who incorporated Glacier Gulch Mining Co., Ltd. The company staked the Biff Nos. 1-3 claims. Diamond drilling was done in 3 holes. A crosscut adit was driven 400 feet at the 2,600 foot elevation. During 1951 a raise was driven 250 feet to connect with the old workings above.

The ground was subsequently acquired by American Metal Climax, Inc. as part of the Glacier Gulch molybdenum property (93 L/14, MO 1). (See also 93 L/14, AU 8 and AU 9).

120 822

HISTORY OF PRODUCTION

Production records for individual Glacier Gulch properties are incomplete. Twenty-nine tons of ore were shipped from the South Side showings to Trail in 1937.

Combined production for the Glacier Gulch properties for the period 1933-1939 is recorded as 183 tons of ore. From this ore 297 ounces of gold, 1,187 ounces of silver, 5,292 pounds of lead, and 13,345 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), pp. 97, 101, Geol. Surv. of Canada, 1954.

Kerr, F.A.; Mineral Resources along the Canadian National Railway, between Prince Rupert and Prince George, British Columbia; Paper 36-20, p. 96, Geol. Surv. of Canada.

Report of Minister of Mines, British Columbia: 1951, p. 113.

Mineral Policy Sector; Corporation Files: "Twin Falls Mining Co. Ltd."

MAP REFERENCES

- #Geology in the vicinity of Glacier Gulch, Hudson Bay Mountain, Sc. 1": $\frac{1}{2}$ mile, Fig. 11 - accomp. Report of Minister of Mines, British Columbia, 1966.
- 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":2miles, Paper 44-23, Geol. Surv. of Canada.
- Sketch Map of Hudson Bay Mountain, (Geol. and Mineral Prospects), Sc. 1":1 mile, Fig. 1, accomp. Paper 36-20.
- 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						
Date	12-75						