

NAME OF PROPERTY

JESSIE (LAST CHANCE)

OBJECT LOCATED - Jessie Fr. claim (Lot 7031).

UNCERTAINTY IN METRES 100. Lat. 54°47'25" Long. 127°15'50"

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

At elevation 4,400 feet, an adit is driven westerly in finely crystalline rhyolite and andesite to prospect a mineralized zone that outcrops immediately above the portal. This zone exposes two principal mineralized fissures, one 12 feet above the other; both strike northerly, dip west at a low angle, and contain vein quartz and considerable pyrite, arsenopyrite, sphalerite, and galena. Some of the rock between these fissures is also fractured, and small sulphide veinlets occur along these minor fractures. Wherever the rock is fissured it is altered and bleached, probably by the action of hydrothermal solutions at the time of vein formation.

The two main veins are traced by strippings and open-cuts for about 400 feet in a northerly direction from the adit to an elevation of 4,500 feet. Their strike changes gradually north of the adit to due west and the dip is south at about 35 degrees. They also diverge from one another in a northerly direction and are about 30 feet apart 125 feet north from the portal of the adit. Where exposed 60 feet south of the portal, see Card 2

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

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at elevations of 4,000 to 5,000 feet on the east slope of Hudson Bay Mountain on the spur between the forks of Simpson Creek, $3\frac{1}{2}$ miles west-northwest of Smithers.

The Last Chance and Lost Dollar claims were staked in this vicinity by Geo. Smith and Gus Timmermeister prior to 1917. Work to 1917 was done in a 180 foot crosscut to the vein, and 27 feet of drifting on the vein.

The Jessie group of 6 claims and fractions was staked in 1926 by L.S. McGill and associates. The initial work on the showing was done in open cuts and stripping. The owners incorporated Jessie Gold Mines, Limited, in March 1929. Development work through 1933 was done in one or more adits. The Jessie Falls, Pennant Fr., Jessie, Jessie Falls Fr., Jessie Fr., and Hope Fr. (Lots 7027-7032) were Crown-granted to L.S. McGill and S.B. Rutland in 1932. The company charter was surrendered in 1937.

120649

HISTORY OF PRODUCTION

REFERENCES

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 112, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia: 1917, p. 114; 1927, p. 136; 1928, p. 162; 1933, p. 97.

Mineral Policy Sector; Corporation Files: "Jessie Gold Mines, Limited".

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						
Date	1-76						

PRODUCT

GOLD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 L/14

- Card 2 -
REF. AU 11

NAME OF PROPERTY

JESSIE (LAST CHANCE)

DESCRIPTION OF DEPOSIT (continued)

the fissured zone strikes south 45 degrees west and dips 35 degrees northwest. The fracture pattern appears, then, to be saucer-shaped with one saucer lying above the other.

In most places the sulphide-rich quartz veins range in width from 6 to 16 inches. A 10-inch channel sample collected across the vein 75 feet north of the adit, assayed: gold, 0.34 ounce a ton; silver, 3.21 ounces a ton; lead, 0.60 per cent; and zinc, 12.60 per cent. Some of the fractured rock adjoining the main veins also constitutes ore, particularly where the main fissures are joined by branches. A typical sample of ore from the dump at the portal of the adit, assayed: gold, 0.14 ounce a ton; silver, 4.86 ounces a ton; lead, 5.55 per cent; and zinc, 13.10 per cent. (Kindle, 1954).