

PRODUCT

SILVER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA

93 L/14

REF. AG 9

NAME OF PROPERTY

EVELYN (FORT GEORGE)

OBJECT LOCATED - showing.

UNCERTAINTY IN METRES 500. Lat. 54°51'45" Long. 127°19'25"

Mining Division Omineca District Range 4 Coast

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

A mineralized, sheared zone in andesite has been traced by a dozen open-cuts for 1,000 feet in a horizontal direction and 385 feet in a vertical direction up a 27-degree slope between elevations of 5,150 and 5,535 feet. The sheared zone strikes north 55 degrees east and dips about 45 degrees southeast. It is mineralized with various amounts of arsenopyrite, pyrite, galena, sphalerite, and tetrahedrite. A boss of granodiorite that lies to the southeast approaches within 600 feet of the vein.

The most extensive shearing and vein formation were seen in two large open-cuts 45 feet apart at elevation 5,250 feet. In the west cut, the andesite is sheared, altered, and silicified over a width of 7 feet. The altered rock is replaced by finely disseminated pyrite and arsenopyrite, and is traversed by fine veinlets of galena and sphalerite. A chipped sample taken across 7 feet of the altered and mineralized rock assayed: gold, a trace; silver, 0.91 ounce a ton; lead, 0.29 per cent. In the cut 45 feet farther east there are two parallel sheared zones 6
see Card 2

Associated minerals or products of value - Lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 5,000 foot elevation on the northeast side of Hudson Bay Mountain, 8½ miles northwest of Smithers and 3 miles southwest of Evelyn station.

The Evelyn group of 4 claims, including the Fort George claim, was owned in the 1920's by Angus McLean and J.A. MacDonald of Smithers. Open cutting was reported.

Tugold Res Inc FS 42/85 ?

120820

Mineral Development Sector, Department of Energy, Mines and Resources, Ottawa.

HISTORY OF PRODUCTION

REFERENCES

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, British Columbia; Memoir 223 (Revised Edition), p. 95, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia: 1923, p. 110; 1925, p. 136; 1926, p. 132.

Jones, R.H.B.; Geology and Ore Deposits of Hudson Bay Mountain, Coast District, B.C.; Summary Report 1925, p. 143, Geol. Surv. of Canada.

MAP REFERENCES

#Map 69-1, Smithers, Hazelton, and Terrace Areas, (Geological compilation), Sc. 1":4 miles, B.C. Dept. of Mines.

Preliminary Map 44-23, Smithers, (Geol.), Sc. 1":2 miles, Paper 44-23, Geol. Surv. of Canada.

Sketch Map, Hudson Bay Mountain, (Geol. & Mineral Dep.), Sc. 1":1 mile, Fig. 1 - 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	12-75						

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N.T.S. AREA 94 L/14

- Card 2 -
REF. AG 9

NAME OF PROPERTY

EVELYN (FORT GEORGE)

DESCRIPTION OF DEPOSIT (continued)

feet apart that strike north 60 degrees east and dip 40 degrees southeast. The upper zone ranges from 6 to 12 inches in width and the lower from 12 to 16 inches in width. The zones consist of silicified, sheared andesite that contains up to 10 per cent of arsenopyrite with small amounts of galena, sphalerite, and tetrahedrite. A 15-inch channel sample taken across the lower zone in the floor of the cut assayed: gold, 0.0075 ounce a ton; silver, 10.70 ounces a ton; lead, 0.42 per cent.

In an open-cut 160 feet farther down the slope there is a sheared zone 15 feet wide that is mineralized throughout with a little arsenopyrite, galena, and sphalerite. In the lowest cut 50 feet farther down the slope, the sheared zone is 12 feet wide and is only sparsely mineralized with arsenopyrite.