

PRODUCT

COPPER

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 93 L/14

REF. CU 1

NAME OF PROPERTY

LAST CHANCE

OBJECT LOCATED - Last Chance claim (Lot 7255).

UNCERTAINTY IN METRES 100. Lat. 54°50'45" Long. 127°21'20"

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

Several, small, irregular sulphide veins in andesite have been prospected by open-cuts and a short adit. The veins are composed largely of magnetite, with considerable pyrite and a little chalcopyrite.

Three of the sulphide veins are exposed in a shallow open-cut 60 feet long. They occupy fractures that strike from north 55 to north 70 degrees west and dip steeply north. One vein at the east end of the cut is 20 feet long and ranges from 1 inch to 12 inches in width. Near the west end of the cut, two veins lie parallel, one 20 feet long with an average width of 6 inches, the other 6 feet long and 3 inches wide. All three veins terminate against small cross faults. The andesite wall-rock is somewhat altered, but is only sparsely mineralized.

About 100 feet farther west another vein outcrop is exposed by a small open-cut. This vein is 30 feet long and ranges from 3 to 12 inches in width. It strikes north 55 degrees west and dips 83 degrees northeast. The vein consists of massive magnetite and pyrite cut by small chalcopyrite stringers. A selected sample of this vein, collected by D. Lay in 1926, assayed: gold, a trace; silver, 2 ounces a ton; copper, 2.5 per cent. At the foot of a bluff 20 feet below the vein outcrop, an adit driven 75 feet along a bearing of north 20 degrees east fails to disclose any mineralization of importance. A representative sample of a small amount of vein material collected from the dump assayed: gold, 0.02 ounce a ton; silver, 0.09 ounce a ton; copper 3.75 per cent; sinc, 0.16 per cent. (Kindle, 1954).

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

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located at the 5,150 foot elevation on the north side of the divide at the head of Toboggan Creek, $\frac{1}{2}$ mile northwest of Schufer Lake, on Hudson Bay Mountain, 9 miles northwest of Smithers.

The Last Chance group of 4 claims was owned by J. Sealy and O. Hanson from prior to 1918. The property was leased in 1918 to C.G. Anderson, of Prince Rupert. Exploration work was done in open cuts and a 75 foot crosscut adit.

The Last Chance claim (Lot 7255) was Crown-granted in 1933 to J. Sealy and Lumon Wood.

HISTORY OF PRODUCTION

REFERENCES

Kindle, E.D.; Mineral Resources, Hazelton and Smithers Areas, Cassiar and Coast Districts, B.C.; Memoir 223 (Revised Edition), p. 113, Geol. Surv. of Canada, 1954.

Reports of Minister of Mines, British Columbia: 1918, p. 118; 1926, p. 131.

Jones, R.H.B.; Geology and Ore Deposits of Hudson Bay Mountain, Coast District, B.C.; Summary Report 1925, Pt. A., p. 142, 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 Prospects), Sc. 1":1 mile, Fig. 1, Paper 36-20, Geol. Surv. of Canada.

Sketch Map of the Silver Lake Section, Sc. 1":2,000 ft. (approx.), Report of Minister of Mines, British Columbia, 1928, p. 165.

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						