

PRODUCT

LEAD

PROVINCE OR
TERRITORY

British Columbia

N.T.S. AREA 104 N/11

REF. PB 1

NAME OF PROPERTY

SURPRISE

OBJECT LOCATED

UNCERTAINTY IN METERS

Lat. 59°36'

Long. 133°25'

Mining Division Atlin

District

Cassiar

County

Township or Parish

Lot

Concession or Range

Sec

Tp.

R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

Chlorite schist is cut by a quartz vein striking N10°W and dipping 70° southwest. The vein varies from 3 to 20 feet in width, and carries minor amounts of galena, chalcopryrite, and calcite. At the entrance to the adit the vein is 6 feet wide, and narrows to 3 feet at the face. The quartz has been brecciated and recemented with calcite, but galena and chalcopryrite occur only sparingly. The winze reportedly encountered a small shoot of sulphides.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the north side of Spruce Mountain, about 10 miles east of Atlin.

Two claims, the Pride of Pine Creek, and Surprise Mountain Lode, were staked in August 1898 by Fritz Miller and associates; open cutting was reported at that time. By 1925 the property had been restaked as the Surprise group (2 claims) by Messrs. Sweet, Tolmier, and Eggert. The workings included a 50 foot adit with a winze of unknown depth 15 feet from the portal.

Associated minerals or products of value

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

REFERENCES

Gwillim, J.C.; Atlin Mining District, British Columbia; Annual Report Vol. XII, Pt. A., p. 69, Geol. Surv. of Canada, 1899.

Cockfield, W.E.; Silver-Lead Deposits in Atlin District; Summary Report 1925, Pt. A., p. 23, Geol. Surv. of Canada.

MAP REFERENCES

Map 1082 A, Atlin, (Geol.), Sc. 1":4 miles - accomp. Memoir 307, Geol. Surv. of Canada, 1959.

Map 104 N/11 W, Surprise Lake, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	MacR						
Date	6-74						

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