

PRODUCT
PRODUIT

LEAD

PROVINCE OR TERRITORY
PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 104 A/4
RÉGION DU S.N.R.C.

REF. PB 4
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

AZTEC, MAMMOTH, DALHOUSIE

OBJECT LOCATED - Tillamook claim (Lot 4926).
OBJET LOCALISÉ

UNCERTAINTY 500 m
FACTEUR D'INCERTITUDE

Lat. 56°03'30"
Lat.

Long. 129°56'40"
Long.

Mining Division Skeena
Division minière

District
District

Cassiar

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Ct.

R.
R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Country rocks in the area consist of green fragmental volcanics of the Jurassic Hazelton group, generally trending northwesterly and dipping steeply west. Towards the top of Bear River Ridge these rocks grade into coarse red and purple volcanic breccias. The showings in general consist of quartz-sulphide breccia mineralization filling narrow northwesterly trending shears in the fragmental volcanics. A fault zone extends northwesterly through the MAMMOTH, DUNDEE, and BEN LOMOND claims. On the Mammoth claims this zone, about 18 feet wide, is mineralized with pyrite, galena, and sphalerite. On the Ben Lomond claims the greenstone is altered in places to a light coloured schist; irregular areas in these rocks are mineralized with pyrite and chalcopyrite.

On the Aztec claims the main vein is mineralized across 8 to 9 feet with coarse-grained galena, sphalerite, and pyrite in a vuggy quartz matrix with country rock inclusions. Uphill the vein narrows and is cut by lamprophyre dykes at 4,100 foot elevation. Below the 3,975 foot elevation the vein has been cut off by a normal fault which has produced an apparent displacement of about 1,500 feet to the north. The probable

p.t.o.,

Associated minerals or products - Zinc, copper,
Minéraux ou produits associés

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

A number of showings occur on the east slope of Bear River Ridge opposite the mouth of Bitter Creek, about 9½ miles north of Stewart. The MAMMOTH, DUNDEE, and BEN LOMOND claims extend northwesterly from the Bear River up the east slope of Mount Shorty Stevenson to about the 3,000 foot elevation. The ABITIBI, TEMAGAMI, and NIPISSING CLAIMS extend from the Mammoth claims southwesterly about parallel to the river at about the 800 foot elevation. The AZTEC group of claims, located in the same vicinity at a later date, extend from the river to the top of Bear River Ridge and may be in part a relocation of some of the earlier claims.

Eight claims, the BEN LOMOND, MAMMOTH, ERIE, ALGONQUIN, DUNDEE, TECUMSEH, WENTWORTH, and PENETANT (Lots 1487-1494) were held by the International Mining Company, Limited, which was incorporated in 1910. Work by the company, mainly on the Mammoth claim, included open cuts and 197 feet of tunnel in one adit. The claims were Crown-granted to the company in 1912. The company charter was surrendered in 1919.

The ABITIBI, TEMAGAMI, and NIPISSING claims were acquired by Portland Star Mines, Limited in 1910. Work by the company during 1910-11 included open cutting, and 56 feet of tunnel in one adit. The company charter was surrendered in 1918.

The AZTEC group of 4 claims was located in this vicinity in about 1920 and consisted of the AZTEC, owned by W.A. Pratt, the BELLAROPHON, owned by John Watt, and the TILLAMOOK and WOLLABY, owned by George Cameron. The showings were explored by open cutting during 1920. The Dalhousie Mining Company, Limited was formed in 1925 to acquire the Dalhousie group of 8 claims and fractions from Messrs. Cameron and Pratt. This group included the TILLAMOOK claim (Lot 4926). The Rock of Ages group of 7 claims, located north of and adjoining the Dalhousie, and owned by D.A. Munro, was subsequently acquired. Work by the company during 1926-27 was done in open cuts and a 110 foot long adit. The Dalhousie group (Lots 4924-4932) and the Rock of Ages group (Lots 4933-4940) were Crown-granted to the company in 1929.

The showings were restaked as the AZTEC group of 8 claims in about 1965 by R. Hutchings and optioned to Canex Aerial Exploration Ltd. During 1965 geological, magnetometer, and geo-chemical (soil) surveys were carried out and some trenching done.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

faulted extension of the vein is relatively continuous but has a lower sulphide content. A sample from an open cut on the Dalhousie claims assayed: Gold, 0.10 ounce a ton; silver, 1.4 ounces a ton; copper, 1.0%.

REFERENCES/BIBLIOGRAPHIE

Annual Reports, Department of Mines, British Columbia: 1910, pp. 61, 62; 1911, pp. 73, 74; 1912, p. 324; 1920, p. 55; 1922, p. 70; 1925, p. 99; 1926, p. 93; 1927, p. 91; 1928, p. 105; 1965, p. 52.

McConnell, R.G.; Portions of Portland Canal and Skeena Mining Divisions, Skeena District, B.C.; Memoir 32, p. 46, Geol. Surv. of Canada, 1913.

Hanson, George; Portland Canal Area, British Columbia; Mem. 175, pp. 106, 123, 111, Geol. Surv. of Canada, 1935.

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

Grove, Edward W.; Geology and Mineral Deposits of the Stewart Area, British Columbia; Bulletin No. 58, p. 123, British Columbia Department of Mines, 1971.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 216 A, Bear River Sheet, B.C., (Geol.), Sc. 1":1 mile - accomp. Mem. 159.
- Diagram of Portland Canal Mining District, B.C., (Property Locations), Sc. 1":2 miles - accomp. Mem. 32.
- Geological Map of the Stewart Area, Sc. 1": $\frac{1}{2}$ mile, Fig. 3, Sheet B - accomp. Bulletin No. 58.
- *Stewart Area, Crown Grant claim Map, Fig. 15 B - accomp. Bulletin No. 58.
- *Map 217 A, Bear River Sheet, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	05-67	10-74					