

PRODUCT ZINC
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE British Columbia

N.T.S. AREA 104 N/10
RÉGION DU S.N.R.C.

REF. ZN 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CY

OBJECT LOCATED - Mount Weir.
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 59°39'40" Long. 132°59'20"
Lat. Long.

Mining Division Atlin
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

The property is underlain by alaskite of the Cretaceous Surprise Lake batholith. In the south part of the claim group alaskitic quartz monzonite is in contact with argillite and chert of the Cache Creek Group. Mineralization, assumed to be associated with local fractures or faults, includes zeunerite, molybdenite, galena, sphalerite, fluorite, beryl, wolframite, magnetite, and hematite. Galena, sphalerite, and tin occur in chloritic veins and mineralized boulders. On the northeast flank of the mountain, mafic-rich dykes contain sphalerite, galena, magnetite, hematite, quartz, and danalite. On top of the mountain, tension fractures contain quartz, galena, and sphalerite. Elsewhere near the summit quartz rich zones contain near massive magnetite-hematite veins. On the CY 6 claim the bedrock in pits is anomalous in uranium; in the same vicinity a mafic-rich dyke carries disseminated sphalerite. On the west side of Caribou Creek, on CY 8, several mafic dykes up to 4 metres wide contain up to 20 per cent disseminated sphalerite, purple fluorite and beryl are minor constituents.

Associated minerals or products
Minéraux ou produits associés Lead, molybdenum, uranium, iron, fluorspar,
tin, tungsten,

HISTORY OF EXPLORATION AND DEVELOPMENT
HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located on Weir Mountain some 40 km east-northeast of Atlin.

The CY and ENG claim groups (about 190 units) were owned from about 1977 by Noranda Mines Ltd. Mattagami Lake Mines Limited optioned the property and work in 1977-78 included radon and scintillometer surveys over CY 4-8, magnetometer surveys over 30 km, VLF-EM surveys over 28 km, Crone EM surveys over 32 km, induced potential survey covering CY 2, 4-6, and geochemical surveys comprising 100 rock, 200 soil, and 168 water and stream sediment samples.

Additional work by Mattagami in 1979-80 included radiometric and radon gas surveys on CY 6, magnetometer surveys over more than 60 km and electromagnetic surveys over 133 km, airborne magnetometer and electromagnetic surveys over 485 km, geochemical surveys comprising 2,270 soil, 23 silt and 60 rock samples, trenching and 1 926 m of diamond drilling in 16 AQ holes on CY 6, 8, ENG 2.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Exploration in British Columbia; BCDM: 1977, p. 239;
1978, p. 269; 1979, p. 298; 1980, p. 500.

Geological Fieldwork; BCDM: 1978, p. 106⁺.

Geology in British Columbia; BCDM: 1977-1981, p. 182.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1082 A, Atlin, (Geol.), Sc. 1";4 miles - accomp.Memoir 307,
Geol. Surv. of Canada, 1960.

Map 104 N/10, Eva Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	08-87						