

PRODUCT MAGNESIUM
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE British Columbia

N.T.S. AREA 104 N/12
RÉGION DU S.N.R.C.

REF. MG 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ATLIN

OBJECT LOCATED - Pine Creek road deposit.
OBJET LOCALISÉ

UNCERTAINTY 300 m Lat. 59°34'50" Long. 133°41'10"
FACTEUR D'INCERTITUDE 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

Surficial deposits of hydromagnesite occur immediately east of Atlin townsite. The four deposits exceeding an acre in area have an average thickness of $2\frac{1}{2}$ to 3 feet and contain an estimated 118,000 tons of white hydromagnesite. About 83% of the total tonnage carries between 41 and 42 per cent MgO, and about 3% contained CaO, Al₂O₃, Fe₂O₃, and SiO₂, the remainder being of lower grade. Cold mineral springs in the area are believed to be the source of the deposit. (Cummings, J.M., 1940, p. 119).

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

Hydromagnesite occurs in several small deposits at the east edge of Atlin townsite, and on the north side of the Pine Creek road about $\frac{1}{2}$ mile east of the town.

The deposit was staked as a mineral claim by A.C. Hirschfeld of Atlin, who during the summer of 1904 sacked and shipped some 200 tons of the material to San Francisco. During the summer of 1915 a trial shipment of over 500 tons was made to Vancouver by the firm of Armstrong, Morrison, and Company of Vancouver.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A total of 1,450 tons of hydromagnesite have reportedly been shipped from this deposit.

REFERENCES/BIBLIOGRAPHIE

Aitken, J.D.; Atlin Map-Area, British Columbia; Memoir 307, p. 79, Geol. Surv. of Canada, 1959.

Young, G.A.; Hydromagnesite Deposits of Atlin, B.C.; Summary Report 1915, pp. 50-61, Geol. Surv. of Canada.

++Cummings, J.M.; Saline and Hydromagnesite Deposits of British Columbia; Bulletin No. 4, pp. 115-119, Dept. of Mines, B.C., 1940.

Annual Reports, Dept. of Mines, B.C.; 1904, p. 82⁺; 1915, p. 28.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1082 A, Atlin, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 307.

#Map 104 N/12 E, Atlin, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-80						

BCI 104 N - 79