

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

EAGLE (JOY)

OBJECT LOCATED - Pass Zone.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 58°29'20"
Lat.

Long. 129°07'20"
Long.

Mining Division Liard
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

Porphyry deposits of pyrite, chalcopyrite, bornite and minor molybdenite occur within a biotite granodiorite phase of a large differentiated Jurassic stock. Three main zones of mineralization are indicated and termed, from northwest to southeast, the Camp, Pass and Bornite Zones, spaced about 1 km apart.

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

The property is located some 10 km southeast of the centre of Eaglehead Lake and 55 km east of Dease Lake.

Kennco Explorations, (Western) Limited, apparently staked the Joy group of 32 claims on the showing in 1963. Work by the company during the period 1963 through 1965 included a geochemical survey, trenching, an induced potential survey, and 1,432 feet of diamond drilling in 4 holes; the claims subsequently lapsed.

The showings were restaked in 1970 as the Eagle 1-22 claims by Spartan Explorations Ltd., under a joint exploration agreement with Mitsui Mining & Smelting Co. Ltd. In August 1971 the property was optioned to Imperial Oil Enterprises Ltd. Additional staking was done to a total of 84 claims. Work by Imperial in 1971-74 included geological mapping, geochemical soil and silt surveys, an induced potential survey over 12 line-miles, magnetometer surveys over 3.5 line-miles and 14,964' of diamond drilling in 25 holes on Eagle 2,3,4,6,18, 38, 96-98, 102, 112, 121.

The company name (Spartan) was changed in 1974 to Nuspar Resources Ltd. Work by Imperial during 1975-76 included a geochemical soil survey (115 samples), an induced potential survey over 16 line-kilometres, and 1 045 metres of diamond drilling in 5 holes on Eagle 53, 98, 121 and 124.

Imperial Oil's interest in the joint venture agreement was transferred to Esso Minerals Canada in 1978. Nuspar resumed exploration on the property in 1979, thereby maintaining a 40% interest in the joint venture. Work in 1979-82 included airborne magnetometer and electromagnetic surveys, an induced potential survey over 12 km, an induced polarization survey over 34 km, geochemical surveys comprising 1,500 soil and 134 silt samples, and 5 847 m of diamond drilling. Nuspar failed to cover its share of the 1981 exploration costs, thereby reducing its 40% working interest to a 10% carried interest. Reserves are reported as 30 000 000 tonnes at 0.41% Cu, 0.0216% MoS₂, 0.2 g/mt Au, 2.71 g/mt Ag (Preliminary Map 65, BCDM, 1986).

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Reports of Minister of Mines, British Columbia: 1963, p. 6; 1964, p. 11; 1965, p. 16.

Mineral Policy Sector; Corporation Files: "Nuspar Resources Ltd."; "Esso Minerals Canada".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1971, p. 45; 1972, pp. 540-543⁺; 1973, p. 511; 1974, p. 349.

Exploration in British Columbia; BCDM: 1975, p. 192; 1976, p. 192; 1979, p. 288; 1980, p. 486; 1981, p. 80; 1982, p. 389.

Geological Fieldwork; BCDM: 1976, p. 68.

Geology in British Columbia; BCDM: 1976, p. 136.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 381 A, Eagle-McDame Area, (Geol.), Sc. 1":4 miles - accomp. Memoir 194, Geol. Surv. of Canada.

Map 29-1962, Cry Lake, (Geol.), Sc. 1":4 miles.

Geology of the Eagle Claims, Sc. approx. 1":1,600 ft, Fig. 67, Geology, Exploration, and Mining 1972, p. 542.

#Drill hole location map, Sc. 1 cm:200 metres, Nuspar Resources Statement of Material Facts 7/12/82, p. 16.

Map 104 I/6, Snowdrift Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	06-87						