

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

MISTY (FORE) (KAY)

OBJECT LOCATED - mineralized zone on WB 6 - Misty 7 claims.
OBJET LOCALISÉ

UNCERTAINTY 500 m
FACTEUR D'INCERTITUDE

Lat.	55°55'10"	Long.	125°30'20"
Lat.		Long.	
Mining Division Division minière	Omineca	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 Jurassic migmatic syenite (Duckling Creek syenite complex) of the Hogem batholith. These rocks grade from syenite to diorite, range from medium-grained to pegmatitic, and are foliated in many places into gneissic and schistose structures. Pyrite, chalcopyrite, and in places a little bornite occur in minor amounts through most of the altered and foliated rocks. The better mineralized sections occur in areas of alteration associated with strong foliation, fracturing and faulting.

Associated minerals or products → Iron.
Minéraux ou produits associés

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

The property is located at about 1,700 metre elevation at the head of the west fork of Duckling Creek, some 165 k northeast of Smithers.

Prospectors after locating the Lorraine group in 1947 for Kennco Explorations (Canada), Limited continued to prospect the area. In 1948 they discovered 4 other occurrences, one of which was staked as the Kay group of 4 claims; the claims subsequently lapsed.

The showings were restaked by A. Wilmot and G. Warren (Fore 1-24 claims) and optioned in May 1960 to Fort Reliance Minerals Limited. Work by the company during the period 1961-1963 included geological mapping, geophysical and geochemical surveys, and trenching on an anomaly in the south-east corner of the property; the mineralization exposed in the trenches was weak and erratic.

The ground was restaked by Wilmot in 1968 as the Misty 1-52 claims. El Paso Mining and Milling Company optioned the property and during 1970-1973 carried out geological mapping, trenching, 9.3 line-miles of magnetometer survey, a geochemical soil survey (493 samples) on Misty 1-6, diamond drilling in 9 holes totalling 5,053 feet on Misty 3-6, 12, and 1,600 feet of rotary drilling on the same claims. In 1973 a geochemical soil survey (479 samples) was carried out over 9.5 line-miles on the adjacent Bell group.

The drilling indicated a northwesterly trending zone about 500 metres long, averaging 11 metres in width and extending to at least 170 metres in depth. This zone is estimated to contain about 3,000,000 tons of altered syenite grading 0.63% copper with very low silver and gold values (G.A. Noel, 26/11/81, in Sohio Exploration Corporation Prospectus, 24/08/84). Drill hole M-4, on Misty 12 claim, cut about 60 metres of syenite with magnetite grading about 21% iron with trace amounts of copper. The claims were returned to Wilmot in 1978.

The Misty 1-6 claims lapsed and were restaked by Wilmot as W.B. 1-6 in 1979. Wilmot and associates sold the property to Sohio Exploration Corporation in 1982. The W.B. claims lapsed in July 1982 and were restaked for the company as the W+B 1-6.

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Reports of Minister of Mines, British Columbia: 1949, pp. 98-101; 1961, p. 116; 1962, p. 134.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1970, p. 184; 1971, p. 218; 1972, p. 454; 1973, p. 369+.

Mineral Policy Sector; Corporation Files: "Fort Reliance Minerals Limited"; "Sohio Exploration Corporation".

Garnett, J.A.; Geology & Copper-Molybdenum Mineralization in the Southern Hogem Batholith, North-Central British Columbia; Canadian Institute of Mining & Metallurgy, Bulletin, Sept. 1974, pp. 101-106.

Garnett, J.A.; Geology and Mineral Occurrences of the Southern Hogem Batholith; Bulletin 70, British Columbia Dept. of Mines, 1978.

Noel, G.A.; Report on the Misty Property, 26/11/81 - in Sohio Exploration Corporation Prospectus, 22/08/84.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geology of the Southern Hogem Batholith, Sc. 1:125,000 - accomp. Bulletin 70.

#Misty Property, claim map, Sc. 1:50,000, Fig. 2 - accomp. Report by Noel.

*Map 93 N/13, Ogden Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	04-85						