

NAME OF PROPERTY  
 NOM DE LA PROPRIÉTÉ CASSIAR MOLY (HAZEL) (ELOISE) (X)

OBJECT LOCATED - showing.  
 OBJET LOCALISÉ

UNCERTAINTY 300 m  
 FACTEUR D'INCERTITUDE

Mining Division Liard  
 Division minière

Lat. 59°12'40"  
 Lat.

Long. 129°51'45"  
 Long.

District  
 District Cassiar

County  
 Comté

Township or Parish  
 Canton ou paroisse

Lot  
 Lot

Concession or Range  
 Concession ou rang

Sec  
 Sect. Tp. R.  
 Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property occurs within the late Cretaceous Troutline Creek quartz monzonite (Cassiar Stock) at the east edge of the Cassiar batholith. The mineralization can be called the 'dry', fracture-related, alaskite-pegmatite type. It is intimately associated with small dyke-like intrusions that are the more highly differentiated phases of the surrounding quartz monzonite. These rocks form a northeast trending, steep dipping dyke-like body up to 360 m wide.

Molybdenite is concentrated near intrusive contacts in fractures and rare quartz veinlets, and is disseminated as scattered flakes and rosettes in the dyke-like intrusive. Scattered mineralization occurs over a 460 x 460 m area.

Samples from underground show molybdenite concentrated in narrow fractured zones, some with spectacular grades. One sample contained 4.17% MoS<sub>2</sub> over 1 metre, and another 1.64% MoS<sub>2</sub> over 3 metres. However, over-all molybdenite grade is low, for example 0.026% MoS<sub>2</sub> across 100 metres in the crosscut adit.

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

The property is located between elevations of 4,500 and 6,700 feet on the south side of Lang Creek about 5 miles south of Cassiar townsite.

Value Line Minerals Ltd., incorporated May 1966, acquired 205 claims, including the Hazel, Eloise, Rusty, X, and Lillian groups; the main showings were covered by the X 17 and X 19 claims. During 1967 geological mapping was carried out and an adit was collared at the 6,300 foot elevation. Work during 1968-69 included driving the adit for 2,905 feet, 1,500 feet of diamond drilling in 4 holes, geological and geochemical surveys.

Noranda Exploration Company, Limited held the ground as the Vines 1 claim (20 units) in 1976; prospecting was reported. The showings were restaked in 1977 by W. Elsner as the Angel 1 and 2 claims (21 units). Rio Tinto Canadian Exploration Limited carried out geochemical soil and rock chip surveys in 1978-79.

Cassiar Resources Ltd optioned the property and in 1980 carried out trenching and 1 369 m of diamond drilling in 3 holes on Angel 2, with negative results.

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Reports of Minister of Mines, British Columbia: 1967, p. 26; 1968, p. 36.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 41.

Porphyry Deposits of the Canadian Cordillera; Canadian Institute of Mining & Metallurgy, Special Volume 15, Table I, #130, 1976.

\*Geological Fieldwork, British Columbia Dept. of Mines: 1978, pp. 51-56; 1979, p. 84; 1980, pp. 48-53.

Exploration in British Columbia; BCDM: 1976, p. 198; 1979, p. 318; 1980, p. 516.

Geology in British Columbia; BCDM: 1977-1981, p. 189.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1110 A, McDame, (Geol.), Sc. 1":4 miles - accomp. Memoir 319, Geol. Surv. of Canada.

#Geology of the Cassiar map-area, Sc. 1 cm:1.25 km, Fig. 16, Geological Fieldwork 1978, p. 52.

\*Map 104 P/4, Needlepoint Mountain, (Topo.), Sc. 1:50,000. Geology of the 'Cassiar Moly' deposit, Sc. .45 cm:100 m, Fig. 16, Geological Fieldwork, 1980, p. 50.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	10-86						