

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

EAGLET

OBJECT LOCATED - *trenched area on Eaglet 8 claim.*
OBJET LOCALISÉ

UNCERTAINTY 500 m FACTEUR D'INCERTITUDE	Lat. 52°34'10" Lat.	Long. 120°59'10" Long.
Mining Division Cariboo Division minière	District District	Cariboo
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 showings occur in a quartz-feldspar augen gneiss of unknown age. Adjacent rocks belong to the Proterozoic Kaza group (Paper 71-A). The gneiss is injected with masses of pegmatite, aplite, and granitic rock of normal texture. Foliation in the gneiss strikes east to northeastward and dips 35 to 45 degrees to the north. Just below the third falls in the tributary creek, about 2,000 feet up from the mouth of the canyon, the gneiss encloses a narrow band of limestone, and within a short distance farther upstream it is in contact with mica schist of apparent conformable attitude. The rocks are highly fractured by numerous joints and faults that fit roughly into two sets--one that strikes north to slightly west of north and is generally nearly vertical, and a second that strikes northeastward and is vertical or dips steeply to the southeast.

The fluorite occurs as grains disseminated in the country rock, as thin films on fractures, as veinlets and scattered veins as much as 6 inches thick, and as pods and irregular masses 6 to 8 inches wide. The colour ranges from pale greenish white through blues to blackish purple, most commonly being blue. The dark shades rapidly lose colour when exposed

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

The property is located on Quesnel Lake, on the east side of the North Arm near its junction with the main lake. The showings are exposed between elevations of about 2,400 to 3,000 feet in the canyon of Barrett Creek, a tributary to Wasko Creek, on the lower southwesterly slopes of Junction Mountain.

The showings were discovered by H.H. Forster in 1946 and staked the following year. By 1963 the property comprised 10 claims, 6 held by Forster and 4 by C. Johnson, both of Kamloops. Canex Aerial Exploration Ltd. optioned the property in 1966 and carried out trenching, percussion drilling and bulk sampling in an outcrop area 2,000 to 3,000 feet west of the canyon. Results were not encouraging and the option was given up.

In about 1971 the property, comprising about 43 claims in the Eaglet and Eagle groups, was acquired from Mr. Forster by A. Pitt and associates, of Port Hope, Ontario. Bulldozer trenching was done in the area of previous trenching to obtain bulk channel samples. The new owners incorporated Eaglet Mines Limited in August 1972. Work during 1973 included trenching, stripping, and 818' of diamond drilling in 2 holes on Eaglet 2, on the east side of the canyon. An additional 898 metres of diamond drilling in 8 holes on Eaglet 1, 8, 24 and 25 was carried out during 1975.

Underground exploration began in 1980 when No. 1 adit was driven on the West Zone for a total of 400 metres of drift and crosscuts; underground diamond drilling totalled over 2,200 feet. Surface diamond drilling on the East Zone totalled 1657 metres in 9 holes. In 1981 No. 2 adit, parallel to and 300 metres east of No. 1 adit, was driven 85 metres on the East zone and surface diamond drilling totalled 7,600 metres was done in 49 holes. This work discovered a higher-grade foot-wall zone. Diamond drilling in 1982 (6,354 metres) was done on surface in 42 holes; drilling to date totalled 15,472 metres in 100 holes. Drill indicated mineable material was estimated at 20,700,000 tons averaging 11.59% CaF₂ per ton (George Cross News Letter, 25/10/82). Metallurgical tests indicated the material is amenable to treatment by conventional methods with the production of acid and metallurgical grade concentrates.

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

In 1983 the No. 2 adit was extended 374 metres including 5 short crosscuts. In addition 55 metres of raise and 24 metres of sub-level drifting was done. Diamond drilling during the year totalled 3,158 metres. Drill indicated mineable material was estimated at 24,000,000 tonnes at 11.5% CaF₂ (Eaglet Mines Limited, 1984 Annual Report).

Environmental and geological studies were carried out in 1983-84. Diamond drilling in 1985 was done in 8 holes.

REFERENCES/BIBLIOGRAPHIE

- Report of Minister of Mines, British Columbia: 1965, p. 263⁺.
- Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1973, p. 546; 1975, p. E 199.
- †† Mitchell, J.A.; Report on Eaglet Fluorite Property, 20/02/73, for Eaglet Mines Limited.
- Mineral Policy Sector; Corporation Files: "Eaglet Mines Limited".
- George Cross News Letters: 11/08/82; 25/10/82; 25/03/83; 12/08/83; 28/09/83; 1985, No. 150.
- Exploration in British Columbia: 1980, p. 525; 1981, p. 295.
- Ball, C. and Boggaram, G.; Geological Investigation of the Eaglet Fluorspar Deposits; Mining Magazine, June 1985, pp. 506-509.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1-1963, Quesnel Lake, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

Sketch Map of part of Quesnel Lake Map-Area, British Columbia, Paper 70-1 A, p. 33, Geol. Surv. of Canada.

#Eaglet Fluorite, Map of Workings, Sc. 1":600' - accomp. Rept. by Mitchell, 20/02/73.

*Map 93 A/10, Quesnel Lake, (Topo.), Sc. 1:50,000.

Claim map and drill hole plan - in Eaglet Mines Limited 1982 Annual Report.

GSC Open File 962, Quesnel Lake, Sc. 1:50,000, 1983.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

to the weather. Quartz is the most abundant associated mineral. Minor amounts of calcite, some of which fluoresces bright reddish orange, dickite, celestite, pyrite, galena, sphalerite, molybdenite, and allanite also are found with the fluorite. In certain zones, microcline and albite with sericite are strongly developed.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	JL	DMacR	DMacR			
Date Date	09-80	09-82	05-84	05-87			