

PRODUCT COPPER  
PRODUIT

PROVINCE OR TERRITORY  
PROVINCE OU TERRITOIRE

N.T.S. AREA 82 M/5  
RÉGION DU S.N.R.C.

REF. CU 1  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

EBL, B&B

OBJECT LOCATED - Drilled area, Bat 2 claim.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 51°19'40"

Long. 119°46'20"

Mining Division Kamloops  
Division minière

District  
District

Kamloops

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 underlying rocks are chlorite schist, phyllite, and minor skarnified limestone of the Late Devonian Eagle Bay Formation, near the contact with the Baldy Batholith. Granodiorite dykes from a few centimetres to tens of metres thick intrude the metamorphosed rocks near the contact. Pyrite, pyrrhotite, chalcopyrite and very minor sphalerite and galena have several modes of occurrence: massive, stratiform, in skarns, disseminated or in planes of foliation, fractures and in quartz-carbonate veins. Exploration in the period 1968-1974 favoured a porphyry copper setting. A volcanogenic origin was suggested in 1976 and subsequent geochemical surveys gave some anomalous gold and silver values.

Associated minerals or products - Gold, silver,  
Minéraux ou produits associés

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

The property is located at 3,400-3,900' elevation between the east ends of North and East Barriere Lakes, some 50 miles north-northeast of Kamloops.

Showings of copper-bearing float were discovered and staked in 1961 by James Gourley and Tom Moore. They optioned the property to Barriere Lake Mines Ltd, who in 1966 sub-optioned to Scurry Rainbow Oil. Magnetometer and electromagnetic surveys were carried out before the option was dropped later that same year.

The claims lapsed and Gourley and Moore restaked the showings in 1968; diamond drilling was carried out in 5 short holes. The Dynamic Group of Companies, operating in British Columbia in 1969 under the name of one of its members, Royal Canadian Ventures Ltd, optioned the property. Work on the EBL, Rem, and Brad groups totalling 108 claims, in 1969 included a ground magnetometer survey over 12 line-miles, and a geochemical soil survey comprising 1,500 samples. Diamond drilling in 5 vertical holes totalling 2,200 feet was done at 400 foot centres on a geochemical anomaly approximately 9,000 feet long by 2,000 feet wide.

In late 1969 Royal Canadian sub-optioned the property to Rayrock Mines Limited. Work in 1970 included geological mapping, an induced potential survey over 26 line-miles, a geochemical soil survey (441 samples), and 2,914 feet of percussion drilling in 12 holes on EBL 27-32, 37, 40, and Rem 16 and 18. The most promising drill intersection averaged 0.35% copper over a core length of 212 feet. Based on the 1969 and 1970 drilling a substantial tonnage of low-grade copper mineralization was proven up (Royal Canadian Ventures, 1970 AR). Rayrock subsequently dropped the option.

In 1971 Royal Canadian sub-optioned the property to Noranda Exploration Company, Limited. Work by Noranda included a geochemical soil survey (947 samples), an electromagnetic survey over 9.4 line-miles, a magnetometer survey over 17.2 line-miles covering the EBL, Rem, and B&B groups, and 6,475 feet of diamond drilling in 17 holes on Rem 15, 18, EBL 29-32, and B & B 7, 12, 14. Noranda gave up the option.

see Card 2 ....

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Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 233; 1970, p. 314<sup>++</sup>; 1971, p. 438; 1972, p. 87; 1973, p. 115<sup>++</sup>; 1974, p. 97; 1976, p. E 60.

Mineral Policy Sector; Corporation Files: "Royal Canadian Ventures Ltd."; "Rayrock Mines Limited"; "The Dynamic Group of Companies"; "Western Mines Limited".

Geological Fieldwork, British Columbia Dept. of Mines; 1978, pp. 31-37 (Paper 1979-1).

Exploration in British Columbia; BCDM: 1981, p. 11; 1982, pp. 114, 115; 1983, p. 159.

+Gower, S.C.; Summary Report of Assessment of the EBL Claim Group, 15/12/86, in Agarwal Resources Ltd Prospectus, 4/01/87.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 48-1963, Adams Lake, (Geol.), Sc. 1":4 miles.

Map 5231 G, Barriere Lake, (Aeromag.), Sc. 1":1 mile. (1968).

\*Map 82 M/5, North Barriere Lake, (Topo.), Sc. 1:50,000.

Generalized geological map of the Barriere Lakes-Adams Plateau area, Sc. 1 cm:3 km, Fig. 9, Geological Fieldwork 1979, p. 31, B.C. Dept. of Mines.

#Red Fox, Lynx and Bat Claims, Fig. 2 and 2 A, accomp. Report by Gower, 1986.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	05-87						

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 TERRITORY TERRITOIRE

British Columbia

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 NOM DE LA PROPRIÉTÉ

EBL, B &amp; B

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

Pan Ocean Oil Corporation Limited in 1971 acquired the assets of The Dynamic Group of Companies. Craigmont Mines Limited in 1972 sub-optioned from Pan Ocean the EBL, Rem, Brad, Snark, EL, NLSS, and B & B groups totalling 162 claims. Work by Craigmont during the year included induced potential and resistivity surveys over 4 line-miles covering parts of the EBL, B & B, and NLSS groups. Diamond drilling totalling 6,909 feet in 17 holes was done on the EBL and B & B groups. The option was given up. Pan Ocean gave up their option agreement with the original owners in 1973.

Western Mines Limited optioned the property that same year and carried out airborne electromagnetic and magnetometer surveys over 80 line-miles covering part of the EBL group and all of the Rem, Brad, and Snark groups. Further work by Western Mines in 1974 included geological mapping, a magnetometer survey over about 1 line-mile on EBL 16-18 and Rem 1-6, and 2,907 feet of diamond drilling in 6 holes on EBL 16, 18, 32, and Rem 5. This work failed to expand the known mineralization and the option was terminated.

Kennco Explorations, (Western Limited in 1976 acquired an option on the property from owners R and G Moore and J Gourlay. A geochemical soil survey (99 samples) was carried out over Rem 5, 6, 15, 16, EBL 16; the option was given up.

Assessment work by K.E. Northcote in 1981-83 included rock and soil geochemistry, magnetometer and electromagnetic surveys. Agarwal Resources Ltd in June 1983 optioned from G.F. Moore a 75% interest in 19 claims covering the EBL showings; the property was re-staked in 1985 as 12 claims (Bat 1-4, Red Fox 1-4, Lynx 1-4). Work by the company included minor trenching, sampling, VLF-EM and Mag orientation surveys in 1983 and minor rock and soil geochemical sampling in 1985.