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PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 92 G/11
RÉGION DU S.N.R.C.

REF. CU 2
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

RAY CREEK (BRUCE), (RADIANT)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°41'10" Long. 123°03'40"
Lat. Long.

Mining Division Vancouver
Division minière

District New Westminster
District

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

Teknol Mining Co. Ltd.,
902 - 470 Granville St.,
Vancouver 2, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The country rock consists of a wide belt of Mesozoic volcanic and sedimentary rocks of the Gambier group, enclosed within the Coast Range batholith. The western contact between the belt of sediments and the granodiorite lies about $\frac{1}{2}$ mile up Ray creek. The mineralization occurs in an altered zone 1,000 feet wide and over a length of about 4,700 feet, the area being roughly parallel to the northwesterly trend of the granodiorite contact. Within this zone pale green tuffaceous schists strike northwesterly, local dips being steep southwesterly. The schists are frequently impregnated with pyrite in zones of shearing which correspond in general to the bedding or schistosity of the rocks. The pyrite is accompanied in places by chalcopyrite and occasionally sphalerite. Mineralization is reported to be more pronounced towards the east side of the altered zone where the silica content is highest. Selected samples taken from the old workings by B.T. O'Grady gave the following range of assay values: copper, 2.3-10.9%; silver, 1-5 oz per ton; zinc, 2% (occurring in one sample only).

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

This property is located on Ray Creek, approximately 4 miles east of Squamish. The claims cover the basin at the head of Ray Creek and extend westerly down slope to the Stawamus River.

Staking prior to 1919 included the Bruce group of 4 claims, located on Ray Creek at about the 3,000 foot elevation, and the McKinnon group of 9 claims, located along the northeast side of the Stawamus valley below the Bruce group, all owned by Mr. McKinnon & associates. The Radiant group of 4 claims and the Contact group of 6 claims, located east of and adjoining McKinnon's property, were located prior to 1921 and owned by O.W. Rafuse. Exploration work to 1921 consisted of numerous trenches, 80 feet of tunnel in 3 short adits, and 3 vertical shafts totalling about 100 feet.

The 4 groups were combined in 1927 for the purpose of optioning to the Consolidated Mining & Smelting Company of Canada, Limited. The company put down 7 diamond drill holes on the McKinnon group towards the lower end of the property. The results of this were unsatisfactory (copper mineralization was intersected in only one of the 7 holes drilled, and there were no values above .55% Cu, except one foot assaying 1.12% Cu) and the option was relinquished. The following year Radiant Copper Company Limited was incorporated to acquire the Bruce, McKinnon, and Radiant groups. A geophysical survey, which outlined several anomalies, was carried out. Trenching across one of these anomalies disclosed a zone at least 60 feet in width containing about 15% pyrite, but apparently very little copper.

A group of 8 claims held by J.A. Crane of Vancouver in 1937 covered the basin at the head of Ray Creek, the ground formerly covered by the Contact and Bruce groups. The showings on this group, lying on the strike of the showings drilled in 1927, were examined and sampled by B.T. O'Grady of the British Columbia Department of Mines in 1937.

The Britannia Mining & Smelting Company Limited examined the property on several occasions between 1923 and 1939.

Teknol Mining Co. Ltd., incorporated in November 1964, began exploration work on the property in 1966.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

O'Grady, B.T.; Ray Creek; Report of the Minister of Mines, British Columbia, 1937, pp. F 26-F 28.

Annual Reports, Dept. of Mines, B.C.: 1919, p. 229; 1921, p. 229; 1927, p. 364; 1928, p. 387; 1929, p. 397; 1930, p. 310.

Mineral Policy Sector; Metals File: "MR-Cu-301.00".

Mineral Policy Sector; Corporation File: "Teknol Mining Co. Ltd.".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 42-1963, Squamish, B.C., (Geol.), Sc. 1":4 miles.

Map 92 G/11 E, Squamish, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	05-68						

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