

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

UTE (RIO) (FRENCH PEAK)

OBJECT LOCATED - #226, Map 69-1.  
OBJET LOCALISÉ

UNCERTAINTY 500 m  
FACTEUR D'INCERTITUDE

Lat. 55°20'  
Lat.

Long. 126°48'  
Long.

Mining Division Omineca  
Division minière

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 mainly by red, purple and green porphyritic andesite flows of the Hazelton Group. The general strike of these rocks is north to northeast, with 10 to 30° westerly dips. The main vein system, exposed by trenching over a strike length of about 1,500 feet, varies from a simple unmineralized break in the host rock to broadly sheared areas 5 to 15 feet wide containing several veins and stringers of sulphides with disseminated mineralization between them. The main vein system strikes east-west and dips steep north to vertical. The mineralization consists of galena, tetrahedrite, chalcopyrite, sphalerite, and pyrite, in a quartz carbonate gangue. About 400 feet to the south, further sulphide mineralization has been exposed by trenching. The mineralized areas are surrounded by an alteration zone from a few feet to more than 100 feet in width. Bleaching, manganese staining, silicification, and kaolinization mark the alteration zone. The indicated grade of the high-graded section of the vein is 13.6 ounces of silver per ton over a 4 foot mining width and 250 foot strike length.

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

The property is located at about the 4,500 foot elevation 2.5 miles southeast of French Peak and some 33 miles east-northeast of Hazelton.

The showings were discovered in 1955 by Rio Canadian Exploration Ltd. and 24 claims were staked. During 1956 the mineralized structures were investigated over a length of 1,200 feet by about 4,500 linear feet of bulldozer trenching and 1,737 feet of diamond drilling. The company name was changed in 1958 to Rio Tinto Canadian Exploration Limited. No further activity was reported on the showings until 1964 when the Rio Nos. 1-4 claims were leased from the company by Steve Homenuke, of Hazelton, and A.F. Claussen. During 1964-65 a small amount of selected ore was shipped from open cuts.

By 1974 the property consisted of the UTE 1-16 claims, owned by S. and D. Homenuke and J. Sargent. A further 33 tons of sorted ore were shipped during the year. By an agreement of August 1974 the owners gave an option to acquire a 100% interest in the property to Can-Ex Resources Ltd. In October 1974 Renniks Resources Ltd. agreed to carry out exploration work on the property in consideration for the assignment by Can-Ex of all its rights, title, and interest in the August agreement. Work by the company in the latter part of 1974 included geological, geochemical, and electromagnetic surveys, and trenching.

Aalenian Resources Ltd in March 1976 optioned the Ute5-8 claims from Homenuke and Sargent. Adjacent ground was staked as the Silverado, Eldoradom, Mag Hi and Silver Iron claims totalling 30 units. Work by the company included geological mapping, a magnetometer survey and approximately 806 m of diamond drilling in 29 holes; hole 76-14 contained an 8' section assaying 8.5 oz/t Ag, 0.043 oz/t Au, 0.13% Cu, 0.32% Pb, 0.23% Zn (Northern Miner 22/07/76); an adit was collared in the fall of 1976. The company name (Aalenian) was changed in July 1977 to Silverado Mines Ltd.

Mohawk Oil Co. Ltd. held a sub-option on the property from April 1977 until September 1980; petrological studies were reported. Further work by Silverado included an electromagnetic survey over 36 km and a geochemical soil survey comprising 747 samples in 1981 and a geochemical

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p.t.o. ....

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

In 1964-65, 24 tons of sorted ore were shipped from this property. From this ore 2 ounces of gold, 7,291 ounces of silver, 8,039 pounds of lead, and 77 pounds of zinc were recovered.

Reports of Minister of Mines, British Columbia: 1956, p. 29; 1964, p. 50; 1974, p. 272.

In 1974 sorted ore shipped to Trail under the name "Rio" amounted to 28 tons. From this ore 2 ozs gold, 3,423 ozs silver, 2,755 lbs copper, 8,010 lbs lead and 1,023 lbs zinc were recovered.

Mineral Policy Sector; Corporation Files: "Renniks Resources Ltd.".

Geology in British Columbia; BCDM: 1976, p. 106.

Exploration in British Columbia; BCDM: 1981, p. 49; 1985, p. 326.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

#Map 69-1, Smithers, Hazelton, and Terrace Areas (Geological Compilation), Sc. 1":4 miles, British Columbia Dept. of Mines.

Open File 720, Hazelton, (Geol.), Sc. 1:250,000, Geol. Surv. of Canada, 1980.

\*Map 93 M/7, Netalzul Mountain, (Topo.), Sc. 1:50,000.

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

rock survey (40 samples) and diamond drilling 137.5 m in 7 IEX holes in 1985. Reserves are shown as 2 630 tonnes at 5% Cu, 14% Pb, 2.4 g/mt Au, 411 g/mt Ag (Preliminary Map 65, BCDM, 1986).

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date	05-75	06-87					