

PRODUCT ZINC  
PRODUIT

PROVINCE OR PROVINCE OU  
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 104 P/6  
RÉGION DU S.N.R.C.

REF. ZN 3  
RÉF.

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

JOE (IRON CAP)

OBJECT LOCATED - Joe 1-8.  
OBJET LOCALISÉ

UNCERTAINTY 500 m  
FACTEUR D'INCERTITUDE

Lat. 59°17'40"

Long. 129°25'30"

Mining Division Liard  
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 by lower Cambrian, Atan Group, thin to medium bedded quartzites, siltstones, limestones and dolomites on the southwest flank of a northerly trending anticline. A number of northerly trending faults occur, one of which is occupied by the "Reed" vein. This fault dips 65 to 85 degrees west and has been traced on surface for approximately 1,000 feet. The fault is occupied by a vein consisting of up to 2 feet of quartz, containing considerable arsenopyrite and minor pyrite and galena, on the hanging wall and up to 5 feet of pyrite, galena, and sphalerite mineralization in the brecciated footwall. Trenching and diamond drilling outlined a mineralized structure 560 feet long, 200 feet in depth, with an average width of 5 feet.

Associated minerals or products - Silver, lead.  
Minéraux ou produits associés

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

The property is located at approximately 4,700 feet elevation on the south slope of Mount Reed, some 15 miles east of Cassiar and 1 mile north of the Cassiar Highway.

The showings were discovered in 1937 by Joe Reed, of Lower Post, and staked by him as the Iron Cap 1-8 claims in 1947. Yukon Ranges Exploration Limited optioned the claims in 1949 and carried out stripping and rock trenching.

The Consolidated Mining and Smelting Company of Canada Limited optioned the property (15 claims) from Mr. Reed in 1956. Diamond drilling was done in 5 holes totalling 1,498 feet. "In the 560 feet tested length of the vein there is about 40,000 tons of indicated ore and 40,000 tons of inferred ore, both with a grade of 6.4 ozs Ag per ton, 5.5% Pb, and 4.14% Zn" (J. Richardson, 1956, as quoted by J. Kruzick, 14/02/80 - in Gulf Titanium Ltd. Statement of Material Facts, Dec. 3, 1980).

The Iron Cap 7 and 8, and Dome 1-76 claims were optioned in 1969 by Brettland Mines Ltd. and Glen Copper Mines Limited as a joint venture. Work during the year included geological mapping, airborne magnetometer and ground induced polarization surveys, geochemical soil and silt sampling, and trenching. Molybdenum-tungsten mineralization was discovered on the Dome claims (104 P/6, Mo 1). Pacific Petroleum, Ltd. funded the exploration work in 1970; geological mapping and a ground magnetometer survey were carried out over the Iron Cap claims. Glen Copper and Brettland Mines dropped their option on the property in Oct. 1970. The claims were subsequently transferred by Mr. Reed to Reed Mines Ltd., a private company incorporated in December 1970. Glen Copper Mines Limited re-optioned the property in June 1971 and carried out 1,195 feet of diamond drilling in 2 holes. Reed Mines Ltd. was dissolved in March 1978.

The Joe 1-8 claims were staked on the showings in July 1979 for G.H. and C.F. Brett, D. Farrell and associates, and transferred to Gulf Titanium Ltd. in May 1980.

Gabrielse, H.; McDame Map Area, Cassiar District, British Columbia; Memoir 319, p. 114, Geol. Surv. of Canada, 1963.

Reports of Minister of Mines, British Columbia: 1949, p. 72; 1956, p. 11.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 42; 1970, p. 35.

Minerals Sector; Corporation Files: "Yukon Ranges Exploration Limited"; "Brettland Mines Ltd."; "Glen Copper Mines Limited"; "Pacific Petroleum, Ltd."; "Gulf Titanium Ltd.".

\*Kruzick, John H.; Report on Joe Mineral Claims, 14/02/80 - in Gulf Titanium Ltd. Statement of Material Facts, 03/12/80.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

#Joe claims, Sc. 1:50,000, Fig. 2, Report by Kruzick, 1980.

\*Map 104 P/6, Good Hope Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	12-80						