

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

KOFIT

OBJECT LOCATED - #217, Map 69-1.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Mining Division Division minière	Omineca	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 hill is underlain by northwest-striking andesite tuffs and breccias with some interbedded argillaceous siltstones and hematitic felsite tuffs. Medium- to coarse-grained equigranular diorites and monzonites occur in three small stocks of roughly 3,000 feet diameter near the central part of the hill; a magnetite-bearing gabbroic border facies was noted in the easternmost stock. Apparently younger fine-grained quartz diorites occur in a sill-like mass, 2,000 feet wide and 4,000 feet long on the west-facing slope of the hill. The quartz diorites are altered to quartz monzonites near the central part of the intrusive mass. The quartz diorites and related rocks are cut by a stock-like body of biotite-feldspar porphyry, elongate in a northeasterly direction and measuring 1,200 by 800 feet. Projecting from and marginal to this stock are dykes of similar trend and composition. Pyrite and chalcopyrite occur in fractures in the biotite-feldspar porphyries and as fine disseminations in adjacent quartz diorites. Another showing on the property consists of coarse blebs of chalcopyrite in a northwest-striking tectonic breccia zone.

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

This property is located on Hearne Hill, east of the south end of Morrison Lake, some 55 miles east of Hazelton. Elevations range from 3,000 feet at the base of the hill to 4,500 feet at the top.

Trojan Consolidated Mines Ltd. and the Buttle Lake Mining Company Limited acquired 363 claims in the Kofit, Reg, ML, Marc, and Cram groups. These claims, held jointly by the two companies, surround the Morrison property. Tro-Buttle Exploration Limited, which is controlled by the above companies, began exploration work on the property in 1967. Geophysical and geochemical surveys and bulldozer trenching located mineralization on the Kofit group on Hearne Hill. Texas Gulf Sulphur Company optioned the property in August 1967 and during the latter part of the year carried out geophysical and soil geochemical surveys, and 6,370 feet of diamond drilling in 12 holes. The option was subsequently dropped.

Canadian Superior Exploration Limited optioned the property in 1968. Work during 1968 and 1969 included geological mapping, magnetic, electromagnetic, induced potential, and geochemical soil surveys, and percussion drilling in 47 holes totalling 11,000 feet near the base of Hearne Hill.

Carter, N.C.; Kofit, Reg, etc.; Report of Minister of Mines, British Columbia, 1967, p. 105; 1968, p. 134.

Mineral Policy Sector; Corporation Files: "Trojan Consolidated Mines Ltd."; "Buttle Lake Mining Company Limited"; "Canadian Superior Exploration Limited".

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 113.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Geological map of the Morrison Lake area, Sc. 1":1 mile, Fig. 14, Report of Minister of Mines, British Columbia, 1966, p. 100.

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

Map 93 M, Hazelton, (Topo.), Sc. 1:250,000.

*Map 93 M/1, Old Fort Mountain, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	02-69	02-75					