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PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 92 H/7
RÉGION DU S.N.R.C.

REF. CU 4
RÉF.

NAME OF PROPERTY FRIDAY CREEK (WHEELER) (GLADSTONE)
NOM DE LA PROPRIÉTÉ

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°18' Long. 120°33'30"
Lat. Long.

Mining Division Similkameen
Division minière

District
District

Similkameen

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

Samson Mines Ltd.,
850 West Hastings St.,
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The property lies in the Copper Mountain stock near its western margin. In the vicinity of the showings the rocks include pyroxenite, gabbro, monzonite, and porphyritic monzonite. Small red pegmatite dykes ranging from a few inches up to 4 feet in width occur singly, or in groups and networks. The dykes seem more numerous in and near a fault zone about 80 feet wide which strikes north-northeast and dips 70-80° southeast. Within the fault zone the rocks are brecciated and altered and contain plentiful biotite and epidote. Mineralization, consisting of bornite, chalcopyrite, and chalcocite occurs in bunches and disseminated grains in the pegmatite dykes and reportedly also occurs as fracture fillings and local disseminations in brecciated rocks and as bunches and stringers in calcite or quartz veins in the faults.

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

This property is located at the 3,200 foot elevation on Friday Creek, about 10 miles south of Princeton.

Three claims were located on the showings in 1891 and underground work was begun at this time. The following year the property was reportedly held by the Victoria Copper Co. The Gladstone claim, on which most of the early work was done, was reportedly owned by E. Wheeler & associates from 1898 until about 1929. Total development work to 1929 consisted of some 525 feet of tunnel in 5 adits.

In 1952 Copper Basin Mines Ltd. purchased 11 claims, staked 8 adjoining claims, and leased 1 Crown-granted claim; in 1956 the company reportedly held only a 50% interest in the property; no work reported during this period.

Phelps Dodge Corporation of Canada, Limited, optioned the property from Len and Irvine Ashley in 1960. A program of dip needle and geochemical surveys, and 1,600 feet of bulldozer trenching was carried out before the option was dropped.

Additional claims, in the Elk and Ni groups, were added to the property making a total of 22 claims, all reportedly recorded in the name of Douglas F. Hamelin. The Friday Creek Development Co. Ltd. optioned the property from the Ashley's in 1960. A program of geophysical surveying, trenching, and 1,700 feet of diamond drilling was carried out during 1960-61.

The property was transferred to Princeton Exploration Ltd. in April 1963. Exploration work by the company included a new 100 foot long adit and 500 feet of diamond drilling, 200 feet of which was from the new adit. A sample taken across a 20 foot wide mineralized zone south of the creek assayed 0.5 oz gold, 1.5 oz silver, and 3.7% copper. The company name was changed in April 1966 to Samson Mines Ltd.

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

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Carr, J.M.; Friday Creek; Report of Minister of Mines, British Columbia, 1963, pp. 59-61.

McKechnie, N.D.; Similkameen River; Report of Minister of Mines, British Columbia, 1962, pp. 61-63.

Rice, H.M.A.; Geology and Mineral Deposits of the Princeton Map-Area, B.C.; Memoir 243, p. 89, Geol. Surv. of Canada, 1947.

Dolmage, V.; Geology and Ore Deposits of Copper Mountain, British Columbia; Memoir 171, p. 47, Geol. Surv. of Canada, 1934.

Annual Reports, Dept. of Mines, B.C.: 1901, pp. 1088, 1171; 1908, p. 129; 1929, p. 277; 1958, p. 30; 1960, p. 56; 1961, p. 56.

Mineral Policy Sector; Corporation Files: "Friday Creek Development Co. Ltd."; "Samson Mines Ltd."; "Copper Basin Mines Ltd.".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 300 A, Copper Mountain Mining Area, B.C., (Geol.), Sc. 1": 1,000 ft. - accomp. Mem. 171.

Map 888 A, Princeton, B.C., (Geol.), Sc. 1":4 miles - accomp. Mem. 243.

Map 92 H, Hope, B.C., (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	05-66						

B.C.I 92 H/KE-33.