

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

SUMPTER (BACON LAKE) (ELIZABETH F.)

OBJECT LOCATED  
OBJET LOCALISÉ

UNCERTAINTY  
FACTEUR D'INCERTITUDE

Mining Division Division minière	Nanaimo	District District	Comox
County Comté		Township or Parish Canton ou paroisse	
Lot Lot		Concession or Range Concession ou rang	
Sec Sect.	Tp. Ct.	R. R.	

Lat. 49°57'50"  
Long. 125°37'10"

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The formation consists of limestone, shale, skarn, and volcanic rocks, all of the Vancouver group of Upper Triassic age, intruded by granitic rocks of the Coast intrusions. Magnetite occurs in several localities across the  $\frac{3}{4}$  mile wide ridge between Upper Campbell and Bacon Lakes. What appears to be the most important occurrence lies about 300 feet east of the outlet of Bacon Lake. At this point, in a length of 300 feet, magnetite is visible in ten or twelve isolated outcrops which lie within a zone 10 to 25 feet wide. The individual outcrops range from several feet to 40 feet in length, but are all less than 5 feet wide. At most exposures the magnetite is nearly pure, but at some is disseminated through greenstone.

On the Campbell Lake side of the ridge a mineralized zone, with an observed width of 9 feet, occurs in crystalline grey limestone. The zone contains chalcopyrite in a gangue composed chiefly of copper-stained garnetite with some magnetite and crushed limestone. On the adjoining claim to the southwest a vein 18" wide has a filling of garnet and epidote containing a little bornite and chalcopyrite.

Associated minerals or products - Copper.  
Minéraux ou produits associés

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

The Sumpter group of 8 claims was staked on the showings by J. Smith & associates in about 1916. Development work, done on the Beatrice and Solomon claims on the west shore of Upper Campbell Lake, consisted of open cuts, a 30 foot shaft, and about 200 feet of tunnel in two adits.

The claims were allowed to lapse and the showings were restaked as the Lorraine F. and Elizabeth F. claims by J. Forbes in about 1930, but apparently no development work was done at this time.

The B.C. Iron Ore Development Co. Ltd. was reported to have carried out diamond drilling on the property in 1952 but details of this work are lacking.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Young, G.A. & Uglow, W.L.; The Iron Ores of Canada, Vol. 1, B.C. & Yukon; Economic Geology Series 3, p. 78, Geol. Surv. of Canada, 1926.

Gunning, H.C.; Buttle Lake Map-Area, Vancouver Island; Summary Report 1930, Pt. A, p. 72, Geol. Surv. of Canada.

Annual Reports, Dept. of Mines, B.C.: 1916, p. 327; 1930, p. 300.

Western Miner, January 1953, p. 47.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 2-1965, Comox Lake Area, B.C., (Geol.), Sc. 1<sup>U</sup>:2 miles.  
 Map 92 F/13 E, Upper Campbell, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	10-65						

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