

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

BUGABOO

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat.	48°39'20"	Long.	124°29'30"
Lat.		Long.	
Mining Division Division minière	Victoria	District District	Renfrew
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
Noranda Exploration Co. Ltd.,
202, 2256 West Twelfth Ave.,
Vancouver, B.C.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

The district is underlain by a partly unroofed batholith of diorite of the Coast intrusives in which are exposed many large and small roof pendants of limestone and volcanics of the Vancouver group. Three well exposed, partly developed magnetite deposits, the Conqueror-Daniel (Bugaboo), the Sirdar and Little Bobs-Baden Powell, occur in and along the southwest side of Bugaboo creek with a length of about a mile.

On the Conqueror showing a solid body of magnetite about 35 feet high is exposed in the canyon of Bugaboo creek, over which the creek forms a water fall. The magnetite lies in the contact zone of the fine grained diorite with the limestone. Both the Conqueror and Daniel are relatively high-grade ore-bodies. Some sulphur is present in the form of pyrite and pyrrhotite, but other impurities are negligible.

On the Sirdar showing the magnetite outcrops along the face and brow of a ridge on the southwest side of the creek for about 160 feet. The magnetite occurs as a massive deposit almost completely surrounded by quartz diorite porphyrite and appears to be an almost complete replacement of a thick, lenticular mass of limestone caught up in the main intrusive.

p.t.o.

HISTORY OF EXPLORATION AND DEVELOPMENT

HISTORIQUE DE L'EXPLORATION ET DE LA MISE EN VALEUR

The property is located on Bugaboo Creek, a southeasterly flowing tributary of Gordon River, about 10 miles north of Port Renfrew. The Conqueror showing was originally staked by R. Elliot of Port Renfrew in 1898 but the claims lapsed and four of them were relocated as the Conqueror group in 1899 and Crown-granted in 1905. This new group, which also covered the Daniel showing, was owned by Messrs. McGregor, Cathcart & Parsell. The development work, carried out during the period 1900-1907, consisted of two open-cuts, and a tunnel 14 feet long, in solid magnetite, driven from a point 8 feet above the creek.

The Sirdar, Little Bobs, and Baden Powell showings were staked in 1900 by the Kirkpatrick brothers and J. Williams. In 1902 the property was bonded to an English syndicate represented by H. Newton. Several years later the property was bonded to the Gordon River Iron Ore Co. The principal open cutting and the driving of the tunnels was done between 1900 and 1907. The Sirdar was developed by two shallow trench-like open cuts as well as some stripping and a tunnel 103 feet long crosscutting the deposit, commencing at the lower edge of the magnetite and attaining a vertical depth of 53 feet at the face. On the Little Bobs-Baden Powell showing two tunnels were driven 50 feet apart vertically, the one almost directly below the other, and a number of shallow open-cuts and stripping. The upper tunnel is in 108 feet, the lower 114 feet.

No further work was done on the property until 1959 when Noranda Exploration Co. Ltd. optioned 7 Crown-granted claims and fractions from H.W. Cathcart of Victoria covering the Conqueror and Daniel showings. A 100 foot grid survey, as well as dip needle and magnetometer surveys were completed. 2,889 feet of diamond drilling in 13 holes was completed on the Daniel claim and 3,700 feet of diamond drilling in 15 holes on the Conqueror. In 1960 an additional 6,200 feet of diamond drilling was done in 22 holes. The results of this diamond drilling have not been made known. Reserves were estimated (Young & Uglow, 1926) at 55,300 tons proven and 87,525 tons probable ore.

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT (continued)

body. The magnetite is hard and dense and contains considerable pyrite as disseminations and in veinlets.

On the Little Bobs-Baden Powell showing the magnetite outcrops for 350 feet along the flank of a ridge on the southwest side of the creek. The upper contact is against quartz diorite; the dip of the contact is 50 degrees into the hill or to the southwest. The central part of the orebody is high-grade magnetite; the outer edges are mixed with metamorphosed rock and impregnated with pyrite.

REFERENCES/BIBLIOGRAPHIE

- Young, G.A. & Uglow, W.L.; The Iron Ores of Canada; Vol. 1, Economic Geol. Series No. 3, pp. 168-186, Geol. Surv. of Canada, 1926.
- Annual Reports, Dept. of Mines, B.C.: 1902, p. 219; 1904, p. 253; 1905, p. 216; 1916, pp. 282-283, 275; 1959, p. 140; 1960, p. 116.
- Clapp, C.H.; Southern Vancouver Island; Memoir 13, pp. 189-193, Geol. Surv. of Canada, 1912.
- Lindeman, M.E.; Iron Ore Deposits of Vancouver & Texada Islands, B.C.; Bulletin No. 47, pp. 10-11, Mines Br., Ottawa, 1909.
- Mineral Policy Sector; Corporation Files: "International Iron Mines"; "Noranda Mines Ltd."
- Bulletin No. 3, p. 14, B.C. Dept. of Mines, 1917.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 196 A, Vancouver Sheet, (Geol.), Sc. 1":3 miles.

Map 92 C/9, West Half, San Juan, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By
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