

PRODUCT MANGANESE
PRODUIT

PROVINCE OR PROVINCE OU
TERRITORY TERRITOIRE

British Columbia

N.T.S. AREA 93 K/1
RÉGION DU S.N.R.C.

REF. MN 2
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

BIG MARCELLE (TEAD)

OBJECT LOCATED
OBJET LOCALISÉ

| | | |
|--|---|------------------|
| UNCERTAINTY approx. FACTEUR D'INCERTITUDE | Lat. 54°08'10" | Long. 124°25'30" |
| Mining Division Omineca Division minière | District District | Range 5 Coast |
| 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

Manganese occurs as pyrolusite and psilomelane, and lies in folded, cherty, Carboniferous quartzites which outcrop over an area of 4½ square miles. These rocks trend northwest and normally dip steeply to the northeast. In a 9 foot deep shaft the pyrolusite and psilomelane with thin seams of sandy, yellow clay form a small lens having a maximum width of 4 feet and a length of 10 feet. A second exposure, 60 feet south of the shaft, consists of mineralized rock across a width of 3½ feet. Individual quartzite beds up to 2 inches in width have been almost completely replaced by manganese oxides. No evidence could be found to indicate the two showings extend any distance beyond where they are exposed. The purest material from the shaft is reported to assay 70% manganese.

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

This property is located about 7 miles northeast of Fort Fraser.

The showings were discovered and staked in 1934 by Mr. B. Tead, of Fort Fraser. Exploration work was done in open cuts and a 9 foot deep shaft. The property was optioned by a syndicate headed by C.W. Frank, of Victoria, in about 1940. No work other than sampling was reported at that time.

Gray, J.G.; East Half, Fort Fraser Map-Area, British Columbia; Paper 38-14, p. 6, Geol. Surv. of Canada.

Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, p. 195, Geol. Surv. of Canada, 1949.

Reports of Minister of Mines, British Columbia; 1940, p. 85.

Mineral Policy Sector; Resource File: MR-MN-301.00 - British Columbia.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 603 A, Fort Fraser, (Geol.), Sc. 1":4 miles. (1941).

Map 907 A, Fort St. James, (Geol.), Sc. 1":6 miles. (1948) - accomp. Memoir 252.

Map 971 A, Smithers-Fort St. James, (Geol.), Sc. 1":8 miles. (1949).

Map 1580 G, Vanderhoof, (Aeromag.), Sc. 1":1 mile. (1963).

Map 93 K/1 W, Vanderhoof, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

| | | | | | | | |
|---------------------------------|-------|--|--|--|--|--|--|
| Comp./Rev. By Comp./rév. par | | | | | | | |
| Date Date | 05-69 | | | | | | |