

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ MANGANESE (CURLE MANGANESE)

OBJECT LOCATED No. 1 Deposit, on Manganese claim (lot 10673)
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°57'	Long. 116°59'
Mining Division Division minière	Slocan	District District
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

Rocks underlying the property include Triassic argillites of the Slocan series, greenstone of the Kaslo series, and a 1 500 feet wide tongue of sedimentary rocks of the Milford group. Three manganese deposits have been located: a lower (track deposit) located just above the old railway bed is exposed for 70 feet along the slope and of unknown uphill extent; two deposits occupy a single terrace or bench some 300 feet above the railway bed, the No. 1 deposit covering about 5.5 acres and, some 1 200 feet northerly, the No. 2 deposit covering about 2.5 acres. Within these areas, the bog manganese varies from less than an inch to 3 feet in thickness. The deposits consist of different forms of wad or bog manganese interstratified with, but generally fairly distinct from, varying proportions of hydrous iron oxides, calcareous tufa or sinter, and layers of clayey subsoil.

At about 1 600 feet above the railway bed, quartzitic and argillaceous rocks across a width of several feet carry black and reddish oxides and, locally, abundant
p.t.o.

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

The property is located at 2 800 feet elevation on the east side of Kaslo River, 7 km northwest of Kaslo. The showings were discovered by A.J. Curle, of Kaslo, in 1907 but not being of economic value lay dormant until July 1917 when he staked 6 claims, the Manganese, Manganese 1-4, and Cantan. Two claims Manganese (lot 10673) and Manganese No. 1 (lot 10674) were Crown-granted to Mr. Curle in 1925. The No. 1 deposit, on the Manganese claim, was evaluated by some 85 test pits and trenches. On the No. 2 deposit (Manganese No. 1 claim) Mr. Curle sank a large number of test pits. A trial shipment of 29.5 tons (490 sacks) of ore was made in 1917 by Mr. Curle and A.G. Larson, of Spokane. In 1918 the property was under lease to Col. F.B. Millard, of Spokane, and 15 car-loads of ore were shipped by the Kaslo Nakusp Railway which bordered the lower edge of the property. The high water content of the first shipment necessitated the installation of a dryer but results were not entirely satisfactory and work ceased in October of that year. Mr. Curle made further shipments in late 1918 and 1919. The analysis of sample sent by Mr. Curle to the Mines Branch, Ottawa, in 1940 indicated the sample material was of low quality and didn't warrent further testing. Curle estimated from 700 to 800 tons averaging 30 % manganese remained on the Manganese claim following the 1918-19 production. On the Manganese No. 1 claim, Hanson, 1932, estimated 2 270 tons; and analysis of this material gave 31.57 % manganese, 12.03 % silica, 3.75 % limonite.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A test shipment of 29.5 tons in 1917 averaged 43 % metallic manganese. An estimated 850 to 900 tons shipped under a lease agreement in 1918 is reported to have carried between 45 and 50 % metallic manganese. Mr. Curle, in late 1918-1919, shipped about 100 tons to Trail and Tacoma. (Cairnes, 1935).

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1917, pp. 156, 185; 1918, pp. 160, 193; 1919, p. 152; 1925, p. 449.

Hanson, G.; Manganese Deposits of Canada; Economic Geology Series No. 12, pp. 107-111, Geol. Surv. of Canada, 1932.

Bancroft, M.F.; Investigations in the Slocan District; Summary Report 1919, Pt. B, pp. 31-33, Geol. Surv. of Canada.

Cairnes, C.E.; Descriptions of Properties, Slocan Mining Camp; Memoir 184, pp. 231-234, Geol. Surv. of Canada, 1935.

Nash, A.D.; Manganese Deposits Near Kaslo, 31/01/1918, in File MR-Mn-301.00, British Columbia.

Eardley-Wilmot, V.L.; Field Trip, Manganese Notes, August 1939, in File MR-Mn-301.00, British Columbia.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

- Map 273 A, Sandon (Geol.), Sc. 1": 4 000 feet, accomp. Memoir 173, Geol. Surv. of Canada, 1934.
- #Plan of Curle Manganese Group, (claims & deposits), Report of Minister of Mines, British Columbia, 1919, p. 152.
- #Map 82 F/15, Kaslo, (Topo.), Sc. 1: 50 000.

DESCRIPTION OF DEPOSIT (con't)

grains of a manganiferous garnet. An assay of this material gave 14.08 % manganese, 15.03 % iron, 38.64 % silica.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR							
Date Date	12-87							