Location/Identification

MINFILE Number: 103K 001
National Mineral Inventory Number: 103K2 Mn1
Name(s): **SHAG ROCK**
KLASHWUN POINT, SHAG
Status: Prospect
Mining Division: Skeena
Electoral District: North Coast
Regions: British Columbia, Queen Charlotte Islands
Resource District: Queen Charlotte Islands Forest District
BCGS Map: 103K017
NTS Map: 103K02E
UTM Zone: 08 (NAD 83)
Latitude: 54 08 54 N
Northing: 6002374
Longitude: 132 39 36 W
Easting: 652940
Elevation: 5 metres
Location Accuracy: Within 500M
Comments: Location is the centre of showing, Figure 5, Sheet 2 (Bulletin 54). Located on the east side of Klashwun Point near Shag Rock on the northern tip of Graham Island.

Mineral Occurrence

Commodities: Manganese

Minerals
Significant: Manganite, Pyrolusite, Hausmannite, Jacobsite
Significant Comments: Trace hausmannite and jacobsite.
Mineralization Age: Unknown

Deposit
Character: Vein, Massive, Breccia
Classification: Replacement, Epigenetic, Industrial Min.
Type: H06: Epithermal Mn
Shape: Regular
Modifier: Faulted
Dimension: 168x4x0 metres
Strike/Dip: 015/80E
Comments: Occurrence can be traced for 168 metres, widths vary from 1.5 to 4.5 metres.

Host Rock

Dominant Host Rock: Volcanic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Tertiary	Undefined Group	Masset	------

Isotopic Age	Dating Method	Material Dated
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Lithology: Amygdaloidal Basalt, Basalt Flow, Porphyritic Andesite, Calcareous Shale, Calcareous Sandstone
Comments: Masset Formation ranges from Oligocene to Pliocene in age.

Geological Setting

Tectonic Belt: Insular
Physiographic Area: Queen Charlotte Lowland
Terrane: Wrangell

Inventory

Ore Zone: SHAG ROCK
Year: 1965
Category: Unclassified
Report On: Y

Quantity: 13,607 tonnes **NI 43-101:** N

Commodity	Grade
Manganese	15.0000 per cent

Comments: Visual estimate of tonnage and grade.

Reference: Source unknown.

Capsule Geology

The property is located at Klashwun Point, at the north end of Graham Island, Queen Charlotte Islands. The showings occur along the shoreline for about 152 metres, just north of Indian Reserve 13.

Two claims were located on the showing in 1955 by Joseph Pauloski. He shipped a 200 pound sample to the Mines Branch, Ottawa in 1961; the sample assayed 23.4 per cent manganese.

In 1965 the property consisted of 17 recorded claims held under the name Naden Harbour Manganese Ltd. During May 1965 Falconbridge Nickel Mines Limited took out bulk samples of the order of 150 to 200 tons of fresh material and drilled 77 metres in two packsack diamond-drill holes. The positions of the holes did not provide conclusive results. One hole may have penetrated the fault zone; the other hole intersected it at a narrow locality, although the breccia lens adjacent on the surface is large. A visual estimate of tonnage and grade is 15,000 tons at 15 per cent manganese.

The property was held in 1980 as the Shag 1-2 claims (35 units) by Glen White, of Richmond. Work included a geochemical soil survey comprising 220 samples.

The area is underlain by Tertiary volcanics of the Masset Formation consisting of amygdaloidal basalts, basalt flows and porphyritic andesite sills which strike north to northeast and dip 15 to 20 degrees east. A fault, striking 015 degrees and dipping 80 degrees east, crosscuts the lavas. East of the fault, the lavas are underlain by 23 metres of dark-grey shale and buff-coloured, calcareous shale to sandstone, which resembles the Queen Charlotte Group, Cretaceous Skidegate Formation.

The fault is filled with 1.5 to 4.5 metres of volcanic breccia, cemented by manganese minerals comprised mainly of manganite, pyrolusite, housmannite and jacobsite. Veinlets of manganite also extend into the volcanic rocks in the footwall. The showing is exposed along shore for about 168 metres. The manganese values assay up to 50 per cent and average 15 per cent manganese. At the northern end of the exposure a higher-grade lens measuring 15 by 2.4 by 1.5 metres contains between 30 to 40 per cent manganese (Minister of Mines Annual Report 1960, page 11).

Bibliography

EMPR AR *1960-11; *1965-68
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EMPR PF (Holmes, T. (1962): Letter and sketch map to A. Sutherland-Brown, 6 p.)
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GSC MAP 1385A
GSC P 88-1E, pp. 221-227, 269-274; 89-1H, pp. 73-79; 90-10, pp. 305-324
CANMET IR 61-47
Falconbridge File
EMPR PFD 650307, 508654, 508655, 508797, 508798, 508799, 509366

Date Coded:	1986/06/02	**Coded By:**	Larry Jones (LDJ)	**Field Check:**	N
Date Revised:	1989/01/23	**Revised By:**	Laura L. Duffett (LLD)	**Field Check:**	N