

NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

CHROME VANADIUM

OBJECT LOCATED - Alocin showing.  
OBJET LOCALISÉ

UNCERTAINTY 300 m  
FACTEUR D'INCERTITUDE

Lat. 50°00'30"  
Lat.

Long. 119°51'50"  
Long.

Mining Division Nicola  
Division minière

District  
District

Kamloops

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

Chromite occurs in a N25°W striking band of serpentized peridotite pyroxenite termed the Old Dave ultrabasic, of Windermere or older Proterozoic age. The band appears to intrude Archean or later Chapperon Group metamorphic rocks of the Shuswap Terraine over a 180-metre width and known length of approximately 5.5 kilometres. Chromite occurs locally as nodules, disseminations, coalesed schlieren or massive high grade lenses. The lenses are small, ranging from 3 metres by 0.3 metre to 15 centimeters by 3 centimeters. Samples taken across the lenses assayed from 23.6 to 30.8% chromic oxide (Cr<sub>2</sub>O<sub>3</sub>). Disseminated mineralization across 5.4 metres in the Cameo showing assayed 1.24% Cr<sub>2</sub>O<sub>3</sub>.

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

The Alocin showings are located at 4,600' elevation on the south side of Alocin Creek, 1 kilometre west of Eileen Lake and some 31 kilometres west-northwest of Kelowna. Other showings have been located about 2 kilometres south-easterly (Cameo Lake showings) at Lat: 49°59'40", Long: 119°51'40" (N.T.S. Area 82 E/13).

The Chrome Vanadium group of claims was staked on the Alocin Creek showings in 1929 by A.H. Raymer and associates of Kelowna. Work was done in open cuts, small pits and surface strippings. The property was held in 1939 by the Chrome Ridge Mining Syndicate, of Penticton.

Noranda Exploration Company, Limited held the property in 1956 as the Alocin Chrome A and B groups; work included geological mapping and an airborne magnetic survey.

The showings were restaked in 1977 by R.A. Hrkac, of Coquitlam, as the Roc claim (8 units), and optioned that same year to Nicola Copper Mines Ltd. Work in 1977 included geological mapping, a geochemical survey, and a geophysical survey over 32.5 line-kilometers covering the Roc claim. The company name was changed in 1978 to Buccaneer Resources Ltd; no further work was reported.

Ground covering the northwesterly extension of the ultrabasic rocks was held in 1978-79 by H. Wessel, of Vancouver as the Good, Best and other groups totalling about 30 units; work included ground magnetometer surveys over about 19 kilometres.

An area extending northwest and southeast from Eileen Lake was held as the Jack and other groups (42 units) by A. Hrkac and associates in 1978. Pan Ocean Oil Limited that same year carried out an airborne magnetometer survey and a geochemical soil survey (1,100 samples) over part of this property.

120904

+Cairnes, C.E.; Mineral Resources of Northern Okanagan Valley, British Columbia; Summary Report 1931, Pt. A., p. 94, Geol. Surv. of Canada.

Exploration in British Columbia, British Columbia Dept. of Mines: 1977, p. E 79; 1978, p. E 94; 1979, p. 102.

Report of Minister of Mines, British Columbia: 1929, p. 249; 1958, p. 64.

+Von Rosen, G.; Report on Geological and Geochemical surveys on Nana, Roc Mineral Claims, 7/12/77, in Buccaneer Resources Ltd Statement of Material Facts, 25/08/78.

Jones, A.G.; Vernon Map-Area, British Columbia; Memoir 296, p. 154, Geol. Survey of Canada, 1959.

British Columbia Dept. of Mines: Assessment Report Nos. 168, 6775.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1059 A, Vernon, (Geol.), Sc. 1":4 miles - accomp. Memoir 296.

#Nicola Copper Mines, Chromite property, Sc. 1 cm:500 m, Fig. 1 B - accomp. Report by G. von Rosen.

\*Map 82 L/4, Shorts Creek, (Topo.), Sc. 1:50,000.

\*Map 82 E/13, Peachland, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

|                                 |       |  |  |  |  |  |  |
|---------------------------------|-------|--|--|--|--|--|--|
| Comp./Rev. By<br>Comp./rév. par | DMacR |  |  |  |  |  |  |
| Date<br>Date                    | 10-85 |  |  |  |  |  |  |