

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

SCOTTIE CREEK (FLINT) (BARBARA)

OBJECT LOCATED - Flint claim (Lot 3532).
OBJET LOCALISÉ

UNCERTAINTY FACTEUR D'INCERTITUDE	300 m	Lat.	50°59'40"	Long.	121°23'20"
Mining Division Division minière	Kamloops	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

Map 1010 A indicates the area is underlain by Permian and (?) earlier Cache Creek greenstone. Chromite in nodules, lenses and tabular sheets has been found in a number of irregular spaced massive pods of fair grade in faulted serpentine. Chromite also occurs as sparse disseminations in serpentine over a wide area. Magnetite and minor pyrite are present. Sampling of the disseminated zones, in about 1939, averaged only 10% Cr₂O₃. Mines Branch tests gave a Wilfley table concentrate of 44.76% Cr₂O₃ and 14.32% Fe at a grind of minus 48 mesh; the chrome-iron ratio was 2.14:1 and the recovery less than 50% of the Cr₂O₃.

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

The property is located at about 2,600' elevation on Chrome Creek, a tributary of Scottie Creek and the Bonaparte River, some 18 miles north-northwest of Ashcroft.

The chromite showing was discovered by Mike Ahearn in 1901, probably as a result of placer activity on Scottie Creek. Limited trenching was done and a sample of the mineralization was sent to the Geological Survey of Canada.

By 1918 the ground was held as the Iron King and Iron Queen claims owned by Henry Cargyle, of Ashcroft, and several claims located to the west of the above owned by Mr Bryson, of Pavilion. All the above claims were optioned to Messrs Stewart & Calvert, of Oroville, Washington. Work included trenching and a 40' adit on the Iron Queen claim. About 500 tons of mineralized rock was mined but not shipped.

The Consolidated Mining and Smelting Company of Canada Limited optioned one claim in 1928 and staked adjacent ground. In 1929 the company shipped 126 tons of chromite-bearing material to Trail for experimental purposes. Exploration work in the period 1929-31 on the Scottie and Ferguson Creek (92 I/14, CR 1) properties included about 927' of drifting, crosscutting, raising and sinking in several adits. Work was suspended early in 1931. Eight claims, the Flint, Flint No. 2, Barbara, Flint Nos. 3-5, White Tree and Brown Tree (Lots 3532-3539 respectively) were Crown-granted to the company in 1939.

The Granby Consolidated Mining and Smelting Company Limited reportedly held an option on the property in 1948.

The Crown-granted claims were acquired by J.A.B. Whist and associates, who incorporated Valhalla Minerals Incorporated in 1980. The Scot 1 and 2 claims (20 units) were staked adjacent. Granges Exploration Aktiebolag acquired a 50% interest in the property. Work in 1980-81 included a ground magnetometer survey over 32 line-kilometres and 312.4 metres of diamond drilling in 2 holes. The Granges interest was transferred to Granges Exploration Ltd on its incorporation in November 1983.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

A test shipment to Trail in 1929, recorded under the name "Flint", totalled 126 tons assaying 13.3% chromite.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1901, p. 1091; 1902, p. 198; 1915, p. 285; 1918, pp. 227, 242; 1927, p. 211; 1928, p. 220; 1929, p. 229; 1930, p. 198; 1931, p. 110.

Exploration in British Columbia; British Columbia Dept. of Mines: 1980, p. 243; 1981, p. 233.

+Reinecke, L.; Mineral Deposits between Lillooet and Prince George, British Columbia; Memoir 118, p. 86, Geol. Surv. of Canada, 1920.

Duffell, S. and McTaggart, K.C.; Ashcroft Map-Area, British Columbia: Memoir 262, p. 96, Geol. Surv. of Canada, 1952.

O'Neill, J.J. and Gunning, H.C.; Platinum and Allied Metal Deposits of Canada, Economic Geology Series No. 13, p. 102, Geol. Surv. of Canada, 1934.

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1943, Investigation No. 1343; copy in Metals Controller file 167-C1-2-57, Mineral Policy Sector.

Mineral Policy Sector; Corporation Files: "Granges Exploration Ltd"; "The Consolidated Mining and Smelting Company of Canada Limited".

George Cross News Letter: 29/07/82, p. 3.

Eardley-Wilmot, V.L.; Chromite Notes, August 1939, in Commodity file MR-CR-301.00, Mineral Policy Sector.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1010 A, Ashcroft, (Geol.), Sc. 1":4 miles, accomp. Memoir 262.

Chromite occurrences near Chrome Creek, Sc. 1":750', Fig. 14, Memoir 118, p. 87.

Map 92 I/14, Cache Creek, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	10-85						