

PRODUCT CHROMIUM
PRODUIT

PROVINCE OR TERRITORY PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 92 I/14
RÉGION DU S.N.R.C.

REF. CR 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

FERGUSON CREEK

OBJECT LOCATED - adit.
OBJET LOCALISÉ

UNCERTAINTY 300 m
FACTEUR D'INCERTITUDE

Lat. 50°56'35" Long. 121°23'15"
Lat. Long.

Mining Division Kamloops
Division minière

District
District

Kamloops

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec
Sect.

Tp.
Cr.

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. Serpentine outcrops locally in more or less vertically sided noses on each side of the valley over an area some 1,200' by 700'. Three principal zones of mineralization have been identified as the "central", "northeast" and "southeast" showings. Chromite occurs as disseminated grains in lenses and patches. The lenses have a maximum known length of 350' and width of 18'. The mineralization is locally sheared and displaced by faulting. Tests by Mines Branch, Ottawa, on central zone samples indicated a shipping grade assaying 50% Cr₂O₃ and 15% Fe should be obtained by grinds of from minus 28 to mines 35 mesh.

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

The property is located at 3,100' elevation on the NW side of Ferguson Creek, a tributary of the Bonaparte River, some 15 miles north-northwest of Ashcroft. Showings on Scottie Creek, 3 miles to the north, were discovered in 1901, however there is no report of activity on Ferguson Creek until the 1920's.

The Consolidated Mining and Smelting Company of Canada Limited in 1927 optioned two claims (Bear group ?) on Ferguson Creek and staked additional claims. Exploration work, confined to the northeast showing, included trenching and 167' of crosscut and drift in one adit at 3,000' elevation. Operations ceased in 1931 and the claims were allowed to lapse.

In the early 1940's the property comprised 4 claims held by D.B. Sterrett of Kamloops and H. Cargyle and J. Barr of Ashcroft; no work was reported at that time. The showings were examined by H.M.A. Rice, of the Geological Survey of Canada in 1942. He concluded there were 20,000 tons of about 15% Cr₂O₃ reasonably assured, and a possible total of 50,000 tons.

St Joseph Explorations Limited in 1977 held ground in this vicinity as the TIK 1 claim (12 units). Work included a ground magnetometer survey over 14.5 line kilometres.

The Chrome 1 claim (20 units), staked on the showings in November 1985, was acquired by Technigen Platinum Corporation.

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Rice, H.M.A.; Preliminary Report on Ferguson Creek Chromite Showings, Sept. 10, 1942, in Metals Controller file 167-C 1-2-27, Mineral Policy Sector.

Sterrett, Douglas B.; A British Columbia Chromite Deposit; The Miner, Vol.14, March 1941, p. 36.

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

Mines Branch, Ottawa; Investigations in Ore Dressing and Metallurgy; 1943, Investigation No. 1343; copy in Metals Controller file 167-C 1-2-57, Mineral Policy Sector.

Mineral Policy Sector; Corporation Files: "The Consolidated Mining and Smelting Company of Canada Limited"; "Technigen Platinum Corporation".

Exploration in British Columbia; British Columbia Dept. of Mines: 1978, p. E 173.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

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

Ferguson Creek, Geol. and showings, Sc. 1":40', Rice, 1942, Metals Controller File 167-C 1-2-57, Mineral Policy Sector.

#Ferguson Creek Chromite, Plan, Sc. 1":100', accomp. Report by Sterrett, 1941.

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

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR	DMacR					
Date Date	10-85	04-87					