

PRODUCT CHROMIUM
PRODUIT

PROVINCE OR PROVINCE OU British Columbia
TERRITORY TERRITOIRE

N.T.S. AREA 93 N/3, 4
RÉGION DU S.N.R.C.

REF. CR 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ALLOY (SIMPSON)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 55°14' Long. 125°30'
Lat. Long.

Mining Division **Omineca**
Division minière

District **Cassiar**
District

County
Comté

Township or Parish
Canton ou paroisse

Lot
Lot

Concession or Range
Concession ou rang

Sec. Tp. R.
Sect. Ct. R.

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Chromite occurs in an altered peridotite composed of varying amounts of olivine, serpentine, and talc. The olivine normally occurs in well-defined crystals, partly serpentinized, embedded in a talc-serpentine matrix. Some of the talc is observed replacing pyroxene crystals. The rock, which is dark grey-green, weathers to various shades of buff, pink, and yellow-brown, and is much fractured. Ten small chromite lenses are exposed on a bench-like surface that may represent a gently dipping fracture plane. The lenses probably form nearly flat slabs lying parallel with this surface. They are scattered throughout a length of 20 feet and range in outcrop size from 3 inches in diameter to about 2½ square feet. Much of the chromite is hard, clean, and massive. Some of it, near the borders of the lenses, is disseminated in the rock. A composite chip sample, collected from all the lenses, assayed: Cr₂O₃, 45.7%, Cr, 31.3%; Fe, 15.5%.

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

The occurrence is located at about the 6,300 foot elevation in the Mitchell Range, 25 miles southeast of Takla Landing. The occurrence was discovered by a Geological Survey field party in 1940, and staked by H. Simpson & associates in the spring of 1941 under the name Alloy group.

Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, p. 189, Geol. Surv. of Canada, 1949.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 844 A, Takla, (Geol.), Sc. 1":4 miles (1946).

Map 907 A, Fort St. James, (Geol.), Sc. 1":6 miles - accomp. Memoir 252.

Simpson Chromite Deposit, (Geol.), Sc. 1":4 feet - Mineral Policy Sector; Commodity File: MR-Cr-301.00, British Columbia.

Map 93 N, Manson River, (Topo.), Sc. 1:250,000.

REMARKS/REMARQUES

Comp./Rev. By
Comp./rév. par

Date
Date

10-68