

PRODUCT
PRODUIT PHOSPHATE

PROVINCE OR
TERRITORY PROVINCE OU
TERRITOIRE

British Columbia

N.T.S. AREA
RÉGION DU S.N.R.C. 93 K/4

REF. PHS 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ FRANCOIS LAKE

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE Approx. Lat. 54° 04' Long. 125° 45'

Mining Division Omineca District Range 5 Coast
Division minière District

County Township or Parish
Comté Canton ou paroisse

Lot Concession or Range
Lot Concession ou rang

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

OWNER OR OPERATOR/PROPRIÉTAIRE OU EXPLOITANT

DESCRIPTION OF DEPOSIT/DESCRIPTION DU GISEMENT

Asphaltum and phosphate minerals occur in a small, irregular vein, 4 to 12 inches wide, that outcrops at intervals for a distance of 100 feet. It consists of botryoidal phosphates associated with some asphaltum and andesite breccia. The vein occurs in an amygdaloidal and vesicular andesitic flow that overlies sandstone and shale of Upper Eocene or Lower Oligocene age. It has the appearance of a layer between two lava flows rather than the filling of a fracture. Nodules, from 2 to 8 inches in diameter, consist of botryoidal masses of phosphates in concentric layers, with an outer coating of asphaltum. The phosphate minerals are collinsite and quercyte. The vein probably does not extend far in any direction, and gives no promise of having any commercial value.

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

This occurrence, located 2 miles north of François Lake Post Office, was discovered in 1923 by E.M. Dotson; a sample of the material was submitted to the Geological Survey at Ottawa.

Armstrong, J.E.; Fort St. James Map-Area, Cassiar and Coast Districts, British Columbia; Memoir 252, p. 197, Geol. Surv. of Canada, 1949.

Reports of Minister of Mines, British Columbia; 1923, p. 116; 1924, p. 101.

Poitevin, Eugene; A New Canadian Occurrence of Phosphorite from near François Lake, British Columbia; Contributions to Canadian Mineralogy, 1926, Bull. No. 46, pp. 2-12, Geol. Surv. of Canada, 1927.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 631 A, Fort Fraser, (Geol.), Sc. 1":4 miles. (1941).

Map 5315 G, , (Aeromag.), Sc. 1":1 mile.

Map 93 K/4 E, Burns Lake, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par							
Date Date	09/69						