

PRODUCT
PRODUIT

PHOSPHATE

PROVINCE OR TERRITORY
PROVINCE OU TERRITOIRE

British Columbia

N.T.S. AREA 82 G/15
RÉGION DU S.N.R.C.

REF. Phs 1
RÉF.

NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

ALEXANDER CREEK - LINE CREEK

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 49°49' Long. 114°43'

Lat. Long.

Mining Division Fort Steele District Kootenay
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

Phosphate at the base of the Jurassic Fernie Formation can be traced in this area for a strike length of 15 km. The strata dip 40° to 75° easterly. Phosphate content ranges from a low of 3.7 % P₂O₅ in a drill hole to a high of 23.7 % P₂O₅ across 1.6 m in a back-hoe trench.

The Exshaw Formation (Devonian-Mississippian) in this area contains pelletal and nodular phosphate in a basal sandstone horizon and 3 other horizons.

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

Alexander Creek flows southerly, parallel to and just west of the Alberta boundary in the vicinity of Crowsnest Pass

The Consolidated Mining and Smelting Company of Canada Limited (Cominco Ltd) in 1930 prospected showings at about 7 000 feet elevation over a wide area at the head of Alexander Creek, east side of Erickson Ridge; and extending north to the Line Creek area; work was done in 5 adits and 13 shallow shaft. This work indicated a grade similar to the Crowsnest deposit but with a somewhat higher silica content, offering some promise of raising the grade by concentration. Reserves in this vicinity were estimated at several million tons (Cominco Ltd Annual Report, 1930, p. 27).

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Report of Minister of Mines, British Columbia, 1930, p. 378;
1967, p. 311.

Cominco Ltd, Annual Report, 1930.

Butrenchuk, S.B.; Phosphate Inventory; Geological Fieldwork,
1986, pp. 289, 294, BC Dept. of Mines.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 35-1961, Fernie (E½), (Geol.), Sc. 1"= 2 miles - accomp.
Paper 61-24, Geol. Survey of Canada.

Tectonic map of part of the eastern Rocky Mountains, Sc. 1"=
8 miles, Fig. 1, Memoir 336, Geol. Surv. of Canada, 1965.

Map 82 G/15, Tornado Mountain, (Topo.), Sc. 1: 50 000.

REMARKS/REMARQUES

BCI 82 G/NE-32

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