

PRODUCT PRODUIT	FLUORSPAR (FLUORITE)	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA 82 E/8 RÉGION DU S.N.R.C.	REF. FSP 1 RÉF.
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NAME OF PROPERTY  
NOM DE LA PROPRIÉTÉ

ROCK CANDY

OBJECT LOCATED - workings.  
OBJET LOCALISÉ

UNCERTAINTY 300 m FACTEUR D'INCERTITUDE	Lat. 49°15'40"	Long. 118°29'15"
Mining Division Greenwood Division minière	District District	Similkameen
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

The main showing consists of a zone containing numerous veins filling a series of near-parallel fractures in syenite. Map 6-1957 shows the syenite as part of one of the Paleocene(?) Coryell intrusions. The zone as exposed on surface is 525 feet long in a northerly direction and averages 40 feet wide. Mineralization is reported to extend to a depth of more than 200 feet underground. Most vein widths range from an inch or so to 2 feet with occasional irregular replacement patches and lenses much wider. When the property was in operation, widths up to 45 feet of the mineralized zone were mined.

The veins strike and are jointed and banded in a direction 6 to 12 degrees east of north and dip 59 to 65 degrees west. Most pinch and swell rapidly, and individual veins are not continuous far along strike.

The chief minerals recognized in the veins were fluorite, quartz, and massive cherty silica with a few scattered patches of barite and scarce grains of pyrite. The fluorite is mainly pale sea-green or white and only occasionally purple.

Associated minerals or products  
Minéraux ou produits associés

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

The property is located at 2,800' elevation on the north side of Kennedy Creek, 1.5 miles west of the Granby River and 14 miles northeast of Greenwood.

The showings were discovered in 1916 by prospectors and some stripping was done in 1917 by The Stewart-Calvert Company, of Oroville, Washington. The Consolidated Mining and Smelting Company of Canada Limited optioned the property in 1918 and subsequently purchased it outright. A 1.5 mile aerial tram was installed to transport ore to the Granby River where a 100 ton-per-day mill was put into operation in 1919. The concentrate was shipped to the Trail smelter to make hydrofluoric acid for use in the lead refinery, and to markets in other parts of Canada and United States.

Six claims were Crown-granted in 1919; the Rock Candy No. 1, Rabbitt and Portal No. 1 (Lots 1646 S-1648 S respectively) to Messrs. C.M. Tabiassen, B.J. Averill and J.S. Boyce; the adjacent Tadanac, Fluorspar, and Decimal Fraction (Lots 1649 S-1651 S respectively) to The Consolidated Mining and Smelting Company. The Nellie No. 1, Annie and Hydro No. 1 claims (Lots 2396 S, 2397 S, 2616 S), adjacent on strike to the north, were Crown-granted to Annie Boyce in 1927.

A small shipment of crude ore was made in 1918. The mill operated throughout 1919-20 and part time in 1921 and 1922. The mine operated part time in 1925 and 1929 and the crude ore was shipped to Trail for concentrating. The workings to the end of 1925 totalled about 2,100' of drifts, crosscuts and raises in two adits. Five sections of vein were stoped through to surface. Diamond drilling totalled some 2,100'.

Showings extending to  $\frac{3}{4}$  mile north of the main workings were explored by trenching, a 15' adit and at least 508' of diamond drilling, the latter in 1965. The company name (Consolidated) was changed in 1966 to Cominco Ltd.

Tatsa Resources Ltd acquired 32 units in the Rock Candy and Cougar claims in 1983; the company name was changed to Acorn Resources Ltd in July 1983. A geochemical soil survey (650 samples) was reported.

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HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

The mine produced intermittently in the period 1918-1929 inclusive. Production data is incomplete and subject to interpretation. Based on information in the Reports of Minister of Mines and in Consolidated Mining and Smelting Annual Reports for 1920-1932, ore shipments from the mine were between 55,000 and 72,000 tons. More than 23,000 tons were milled at the property and 22,000 tons or more were shipped to Trail for concentrating. Total concentrate production is reported at 32,729 tons. Reported concentrate assays ranged from 84 to 88% CaF<sub>2</sub> and 5.3 to 6% silica.

REFERENCES/BIBLIOGRAPHIE

Reports of Minister of Mines, British Columbia: 1917, p. 201; 1918, pp. 25, 207, 222; 1919, pp. 164, 370; 1920, pp. 24, 154; 1921, pp. 25, 180; 1922, p. 170; 1923, pp. 25, 177, 180; 1925, pp. 51, 192; 1926, p. 204; 1929, p. 254; 1930, pp. 31, 228; 1947, p. 211; 1965, p. 264; 1967, pp. 305-308<sup>+</sup>.

Wilson, M.E.; Fluorspar Deposits of Canada; Economic Geology Series No. 6, pp. 22-27, Geol. Surv. of Canada, 1929.

Mineral Policy Sector; Corporation Files: "Cominco Ltd"; "Acorn Resources Ltd".

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 6-1937, Kettle River, East Half, (Geol.), Sc. 1":4 miles, Geol. Surv. of Canada.

#Plan of workings, Sc. 1":200', Fig. 33, Report of Minister of Mines, B.C., 1967, p. 307.

Map 8488 G, Deer Park, (Aeromag.), Sc. 1":1 mile.

\*Map 82 E/8, Deer Park, (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par	DMacR						
Date Date	04-84						