

PRODUCT PRODUIT	URANIUM	PROVINCE OR TERRITORY	PROVINCE OU TERRITOIRE	British Columbia	N.T.S. AREA RÉGION DU S.N.R.C.	104 N/11	REF. U 1 RÉF.
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NAME OF PROPERTY
NOM DE LA PROPRIÉTÉ

CRACKER CREEK (PURPLE ROSE)

OBJECT LOCATED
OBJET LOCALISÉ

UNCERTAINTY
FACTEUR D'INCERTITUDE

Lat. 59°43'30" Long. 133°18'50"

Mining Division
Division minière

Atlin

District
District

Cassiar

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 widespread occurrence of the secondary mineral meta-zeunerite, a hydrated arsenate of calcium and uranium, is reported in silicified shear zones in granite. The mineral occurs as small green specks on fracture planes in the shear zones. Preliminary sampling reportedly gave values in the range from 0.12 to 0.32% uranium oxide. The Purple Rose claims are underlain by quartzite, greenstone, and limestone of the Cache Creek group, cut by granitic intrusives. The uranium showings lie in the strongly kaolinized granite in the vicinity of a northerly striking shear zone. A selected sample assayed: Uranium oxide, 0.088%; thorium oxide, 0.011%. Company assays showed small amounts of silver, and some lead and copper. At one place on the contact the limestone is metamorphosed to a tremolite garnet skarn containing a few small lenses of magnetite and showing copper stain along minor fractures.

The Zeunerite (copper uranium arsenate) occurrence is the first recorded in British Columbia. No primary uranium mineral has been identified in these occurrences.

The mineralization is locally associated with fluorite.

Associated minerals or products - Copper, silver, lead, fluorspar,
Minéraux ou produits associés

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

The occurrence of uranium has been reported in the vicinity of the summits of Mounts Leonard, Vaughan, and Barham, some 15 miles northeast of Atlin.

Float submitted to the Barymin Company, Limited by local prospectors late in 1953 was identified as high-grade botryoidal pitchblende. In 1954 the company engaged prospectors, N.S. Fisher and O. Olsen to search for the source of the high-grade float. They failed to find any pitchblende but located a radio-active area and staked about 60 claims in the Purple Rose and Fisher groups in August 1954. The Purple Rose group lies at about the 5,500 foot elevation on the headwall of the cirque at the head of the west branch of Cracker Creek. The Fisher group lies about 4 miles to the southwest, on the southeast side of Mount Leonard. During the summer of 1955 the company carried out stripping on showings on both groups. A considerable amount of work was done in the talus, attempting to reach bedrock through the permanently frozen material that lies just below the surface; on the Purple Rose, bedrock was reached in only one trench about 12 feet long.

Jason Explorers Ltd. held 6 claims in 1967 but it is not known if these were on the Purple Rose or Fisher showings.

The ground was held in the late 1970's as the Pato 1-4 claims (36 units), owned by Union Oil Company of Canada Ltd. Work in 1977-78 included geological mapping, a reconnaissance ground scintillometer survey covering Pato 1, and geochemical surveys comprising 87 soil, 5 rock and 2 water samples.

HISTORY OF PRODUCTION/HISTORIQUE DE LA PRODUCTION

REFERENCES/BIBLIOGRAPHIE

Holland, S.S.; Purple Rose and Fisher; Report of the
Minister of Mines, British Columbia, 1955, pp. 7-9.

The Northern Miner: September 16th, 1954, p. 1.

Mineral Policy Sector; Corporation Files: "Jason
Explorers Ltd."

Exploration in British Columbia; BCDM: 1977, p. 240;
1978, p. 270.

MAP REFERENCES/RÉFÉRENCES CARTOGRAPHIQUES

Map 1082 A, Atlin, B.C., (Geol.), Sc. 1":4 miles - accomp.
Memoir 307.

Map 104 N/11 W, Surprise Lake, B.C., (Topo.), Sc. 1:50,000.

REMARKS/REMARQUES

Comp./Rev. By Comp./rév. par			DMacR				
Date Date	07-68	06-74	08-87				