PRODUCT	URANIUM (PLACER)	PROVINCE OR TERRITORY	British Columbia	N.T.S. AREA	82 K/9	REF.	U 1

NAME OF PROPERTY FORSTER CREEK

OBJECT LOCATED -lower placer deposit.

UNCERTAINTY IN METRES 300. Lat. 50°39'10" Long. 116°22'20"

Mining Division Golden District Kootenay

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The Cretaceous Bugaboo Batholith is divided into two lithologically distinct units consisting of a western fine- to medium-grained, uniform textured hornblende-biotite granodiorite and an eastern quartz monzonite. The latter consists of a number of textural variants ranging from a medium-grained, leuco-quartz monzonite of uniform texture to very coarsely porphyritic biotite quartz monzonite.

Black sand placer concentrations containing the columbium- and uranium-bearing minerals, uraninite, euxenite-polycrase, and pyrochlore-microlite occur in the outwash gravels of active glaciers in the high peaks of Bugaboo and Horsethief Batholiths. A large block of porphyritic quartz monzonite taken from Horsethief Batholith and representative of much of this pluton was crushed and a heavy concentrate was separated and examined. All minerals found in the placer concentrate were found in the common quartz monzonite of the pluton; pyrochlore-microlite, euxenite-polycrase, uraninite, anatase, lepidocrocite, epidote, allanite, magnetite, ilmenite, rutile, sphene, apatite, fluorite, and zircon. Cassiterite and molybdenite were also found in some of the black sand concentrates.

Associated minerals or products of value – Columbium.

HISTORY OF EXPLORATION AND DEVELOPMENT

Forster Creek flows easterly on the slopes of the Purcell Mountains and joins the Columbia River at Radium Hot Springs.

Uranium-bearing black sand was discovered at the head of Bugaboo creek by G.O. Reid in 1949. Prospecting in the area in August 1953 by F.T. Russel and A. Archer for Quebec Metallurgical Industries Ltd., a subsidiary of Ventures Limited, relocated the Bugaboo deposit. Subsequent prospecting led to the discovery of deposits on Forster and Vowell creeks. Eight placer leases and 2 special leases were acquired on Forster creek. The company carried on exploration work into 1956 but this was apparently confined mainly to Bugaboo creek. The leases were subsequently allowed to lapse.

Bugaboo Uraniums Ltd., incorporated in August 1968, carried out an airborne spectrometer survey the following month, locating a number of anomalous areas on several creeks. Placer leases were apparently acquired at that time. Canadian Johns-Manville Company, Limited, carried out exploration on Lease Nos. 303-314, 351, and 354-357 on upper Bugaboo and Forster creeks in 1969. Work on Forster creek included the geochemical testing of sands, and a scintillometer survey over a length of about 4 miles.

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IISTORY OF PRODUCTION

1AP REFERENCES

Map 1362 A, Lardeau, (Geol.), Sc. 1:250,000 - accomp. Memoir 369.

Sketch Map of Bugaboo Creek placer deposits, Sc. 1": 14 miles, Fig. 1, p. 29, Report by Rowe, 1958.

Map 82 K/9, Radium Hot Springs, (Topo.), Sc. 1:50,000.

IEMARKS

Comp./Rev. By	DMacR						
Date	7-75						

REFERENCES

Reeson, J.E.; Geology of the Lardeau Map-Area, East-Half, British Columbia; Memoir 369, pp. 87, 92, 117, Geol. Surv. of Canada, 1973.

Report of Minister of Mines, British Columbia: 1956, p. 142.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 377.

Rowe, R.B.; Columbium (Niobium) Deposits of Canada; Economic Geology Series No. 18, p. 28, Geol. Surv. of Canada, 1958.

Lang, A.H.; Griffith, J.W. and Steacy, H.R.; Canadian Deposits of Uranium and Thorium; Economic Geology Series No. 16 (Second Edition), p. 198, Geol. Surv. of Canada, 1962.

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