



MINFILE Detail Report
BC Geological Survey
Ministry of Energy, Mines and Petroleum Resources

Location/Identification

MINFILE Number: 082FSE091 **National Mineral Inventory Number:** 082F7 Gem1
Name(s): MIDGE CREEK

Status: Showing **Mining Division:** Nelson
Regions: British Columbia **Electoral District:** Nelson-Creston
BCGS Map: 082F036 **Resource District:** Kootenay Lake Forest District
NTS Map: 082F07W **UTM Zone:** 11 (NAD 83)
Latitude: 49 22 20 N **Northing:** 5468850
Longitude: 116 49 34 W **Easting:** 512624
Elevation: 730 metres
Location Accuracy: Within 1KM
Comments: The beryl locality is just south of Midge Creek about 1.6 kilometres from Kootenay Lake (Rice, personal communication; in Mulligan, 1968, Geological Survey of Canada Economic Geology Series 23, page 61).

Mineral Occurrence

Commodities: Beryl

Minerals

Significant:	Beryl
Associated:	Garnet, Magnetite, Tourmaline
Mineralization Age:	Mesozoic-Cenozoic

Deposit

Character:	Disseminated
Classification:	Pegmatite, Industrial Min.
Type:	Q07: Schist-hosted emerald

Host Rock

Dominant Host Rock: Plutonic

Stratigraphic Age	Group	Formation	Igneous/Metamorphic/Other
Middle Cretaceous	-----	-----	Bayonne Batholith

Isotopic Age	Dating Method	Material Dated
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Lithology: Pegmatite Dike, Granite, Granodiorite

Geological Setting

Tectonic Belt: Omineca **Physiographic Area:** Selkirk Mountains
Terrane: Ancestral North America

Metamorphic Type: Regional **Relationship:** Pre-mineralization
Grade: Greenschist
Comments: Post-metamorphic Bayonne batholith.

Inventory

No inventory data

Capsule Geology

This particular beryl locality is just south of Midge Creek about 1.6 kilometres from Kootenay Lake (Rice, personal communication, in Geological Survey of Canada Economic Geology Series 23). Beryl was found in large blue-green crystals, with garnet, magnetite and black tourmaline in pegmatite dikes, which are reported by Rice (Geological Survey of Canada Memoir 228) to be abundant in that part of the middle Cretaceous Bayonne batholith comprising granite and granodiorite.

Bibliography

EMPR PF (Prospectors Report 2001-16 by Lloyd Addie)

GSC EC GEOL *23, p. 61

GSC MAP 603A; 1714A

GSC MEM 228

GSC OF 929; 2721

EMPR PFD 505753, 505763

Date Coded: 1995/11/28

Coded By: Craig H.B. Leitch (CHBL)

Field Check: N

Date Revised: 2014/12/02

Revised By: Laura deGroot (LDG)

Field Check: N