



Alaska Resource Data File, Point Lay quadrangle, Alaska

By Donald J. Grybeck¹

Open-File Report 2006-1156

2006

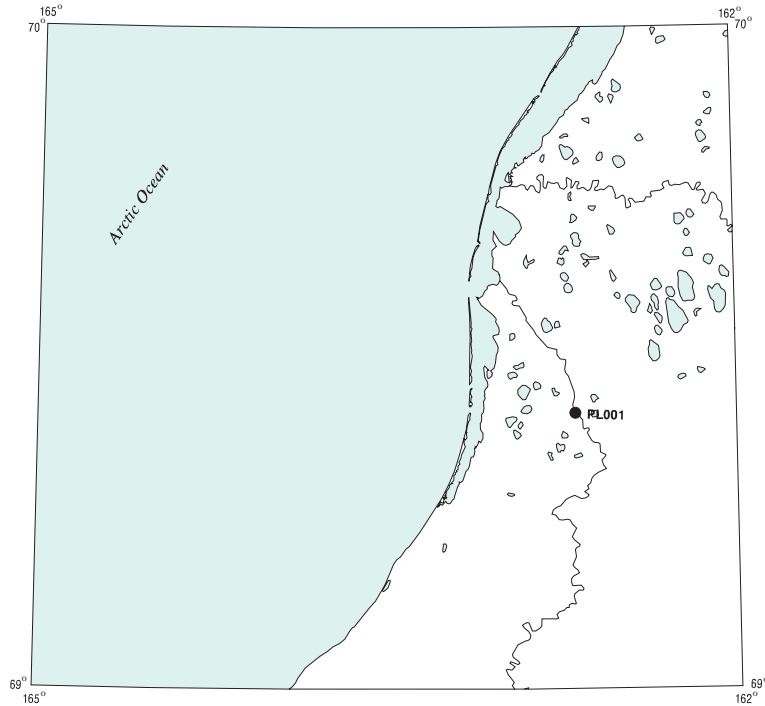
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**U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY**

¹ Port Ludlow, WA

Point Lay quadrangle

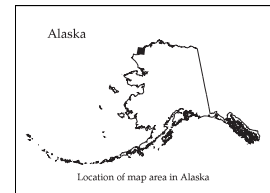
Descriptions of the mineral occurrences shown on the accompanying figure follow. See U.S. Geological Survey (1996) for a description of the information content of each field in the records. The data presented here are maintained as part of a statewide database on mines, prospects and mineral occurrences throughout Alaska.



*Distribution of mineral occurrences in the Point Lay
1:250,000-scale quadrangle, Alaska*

This and related reports are accessible through the USGS World Wide Web site <http://ardf.wr.usgs.gov>. Comments or information regarding corrections or missing data, or requests for digital retrievals should be directed to: Frederic Wilson, USGS, 4200 University Dr., Anchorage, AK 99508-4667, e-mail fwilson@usgs.gov, telephone (907) 786-7448. This compilation is authored by:

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Site name(s): Unnamed (near Kukpowruk River)**Site type:** Occurrence**ARDF no.:** PL001**Latitude:** 69.4167**Quadrangle:** PL B-2**Longitude:** 162.6917**Location description and accuracy:**

This occurrence is near the bank of the Kukpowruk River about 11 miles southwest of the center of Kuvirok Lake, near the northeast corner of Section 28, T. 1 N., R. 44 W., of the Umiat Meridian. The samples were collected along a two mile traverse centered at the indicated coordinates.

Commodities:**Main:** Th, U**Other:****Ore minerals:****Gangue minerals:****Geologic description:**

During a study of the geology, petrology, and paleontology of the Cretaceous Nanushuk Group in northwestern Alaska, Huffman (1979) collected 34 samples of sandstone and shale in a stratigraphic section about 4,600 feet thick on the south limb of the Barbara syncline. The samples contained an average of 7.30 parts per million (ppm) thorium and 1.58 ppm uranium; the maximum values were 16.14 ppm thorium and 3.17 ppm uranium.

Alteration:**Age of mineralization:**

Cretaceous or younger based on the age of the host rock.

Deposit model:

Sandstone-hosted U.

Deposit model number (After Cox and Singer, 1986 or Bliss, 1992):**Production Status:** None**Site Status:** Undetermined**Workings/exploration:**

Probably only sampling by government geologists in the course of stratigraphic and petrologic studies.

Production notes:**Reserves:****Additional comments:**

References:

Huffman, 1979; Cobb and others, 1981.

Primary reference: Huffman, 1979

Reporter(s): D. J. Grybeck (U.S. Geological Survey)

Last report date: 4/15/2006

References

- Cobb, E.H., Mayfield, C.F., and Brosge, W.P., 1981, Summaries of data on and list of references to metallic and selected nonmetallic mineral occurrences in Arctic, Baird Mts., Chandler Lake, De Long Mts., Demarcation Pt., Howard Pass, Micheguk Mtn., Mt. Michelson, Noatak, Point Lay, and Table Mtn. quadrangles in northern Alaska; supplement to Open-file report 75-628; Part A, Summaries of data to January 1, 1981: U.S. Geological Survey Open-File Report 81-0767-A, 25 p.
- Huffman, A.C., 1979, Stratigraphy and petrography of a measured section on the south limb of Barbara syncline, in T.S. Ahlbrandt, ed., Preliminary geologic, petrologic, and paleontologic results of the study of the Nanushuk Group rocks, North Slope, Alaska: U.S. Geological Survey Circular C 794, p. 77-88.