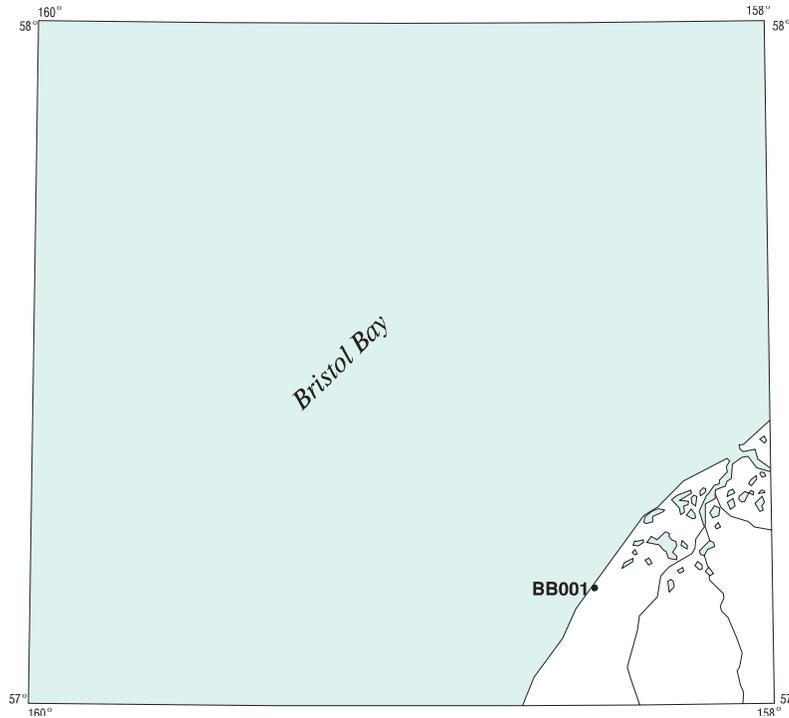


Bristol Bay quadrangle

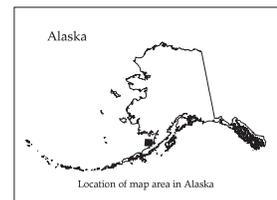
Descriptions of the mineral occurrences shown on the accompanying figure follow. See U.S. Geological Survey (1996) for a description of the information content of each field in the records. The data presented here are maintained as part of a statewide database on mines, prospects and mineral occurrences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



*Distribution of mineral occurrences in the Bristol Bay
1:250,000-scale quadrangle, Alaska Peninsula, 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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This report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic code. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government.

Site name(s): Unnamed (beach southwest of Cinder River)

Site type: Occurrence

ARDF no.: BB001

Latitude: 57.172

Quadrangle: BB A-2

Longitude: 158.479

Location description and accuracy:

This site represents beach placer deposits that extend approximately 10 miles to the northeast and 5 miles to the southwest of Hook Lagoon, which is approximately 35 miles southwest of the mouth of Cinder River. The location is accurate as plotted (MacKevett and Holloway, 1977, locality 1; Church and others, 1989, locality 22).

Commodities:

Main: Au, Fe, Ti

Other:

Ore minerals: Gold, ilmenite, magnetite

Gangue minerals:

Geologic description:

This occurrence consists of narrow beach deposits of black sand which occur primarily along the strand line. The black sand forms thin veneers of surf-washed titaniferous magnetite, ilmenite, and pyroxene. To test the sands the U.S. Bureau of Mines (Berryhill, 1963) drilled 15 auger holes along 15 miles of beach. The holes varied from 3.4 to 9 feet in depth. The drill samples were analyzed for iron and titanium oxide.

The magnetic fraction contained 3.6 to 41 pounds of iron and 1.5 to 9.2 pounds of titanium oxide per cubic yard. The non-magnetic fraction contained 0.4 to 1.6 pounds of titanium oxide per cubic yard (Berryhill, 1963). Trace amounts of flour gold were recovered from two of the holes.

Alteration:

Age of mineralization:

Quaternary.

Deposit model:

Shoreline placer titanium (Cox and Singer, 1986; model 39c)

Deposit model number (After Cox and Singer, 1986 or Bliss, 1992):

39c

Production Status: None**Site Status:** Inactive**Workings/exploration:**

In 1963 the U.S. Bureau of Mines drilled 15 holes to test the titanium content of the black sands. The magnetic fraction contained 3.6 to 41 pounds of iron and 1.5 to 9.2 pounds of titanium oxide per cubic yard. The non-magnetic fraction contained 0.4 to 1.6 pounds of titanium oxide per cubic yard. Trace amounts of flour gold were recovered from two of the holes.

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

This occurrence is located on state land.

References:

Berryhill, 1963; Cobb, 1972 (MF-456); MacKevett and Holloway, 1977; Cobb, 1980 (OFR 80-909); Church and others, 1989.

Primary reference: Berryhill, 1963**Reporter(s):** S.H. Pilcher (Anchorage)**Last report date:** 2/1/00

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