



NATIONAL PETROLEUM RESERVE-ALASKA

Explanation

Deposits not subdivided by age nor arranged in columnar fashion by relative age. Unconsolidated deposits are Quaternary (possibly late Tertiary?) age as shown by letter Q; Bedrock is probably of Cretaceous age and older.

- Qb** Marine beach deposits
- Qm** Marine silt
- Qms** Marine sand
- Qs** Upland silt
- Qo** Eolian sand (ruled pattern where reworked by streams)
- Qsm** Silt and muck
- Qto** Older glacial till
- b** Undifferentiated bedrock
- Qc** Colluvium
- Qog** Outwash gravel and terrace deposits
- Qg** High-level gravel (ancestral Colville)
- Qty** Younger glacial till
- Contact between units approximately located from aerial photographs, queried where basis for line is of low reliability.
- Wave-cut cliff, substantially modified by solifluction processes, hachures downslope. May coincide with contact.
- Morainal ridge

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LOCATION MAP

Planimetry and selected topography from U.S. Geological Survey Barrow, Harrison Bay, Howard Pass, Ikpikpuk River, Kihik River, Lookout Ridge, Mishoguk Mountain, Meade River, Teshekpuk, Umiat, Utukuk River, and Wainwright 1:250,000 quadrangles.
 Base map compiled for HUSKY OIL OPERATIONS, INC., 1977, by ALASKA MAP SERVICE, INC.

PRELIMINARY SURFICIAL DEPOSITS MAP OF NATIONAL PETROLEUM RESERVE-ALASKA

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This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.