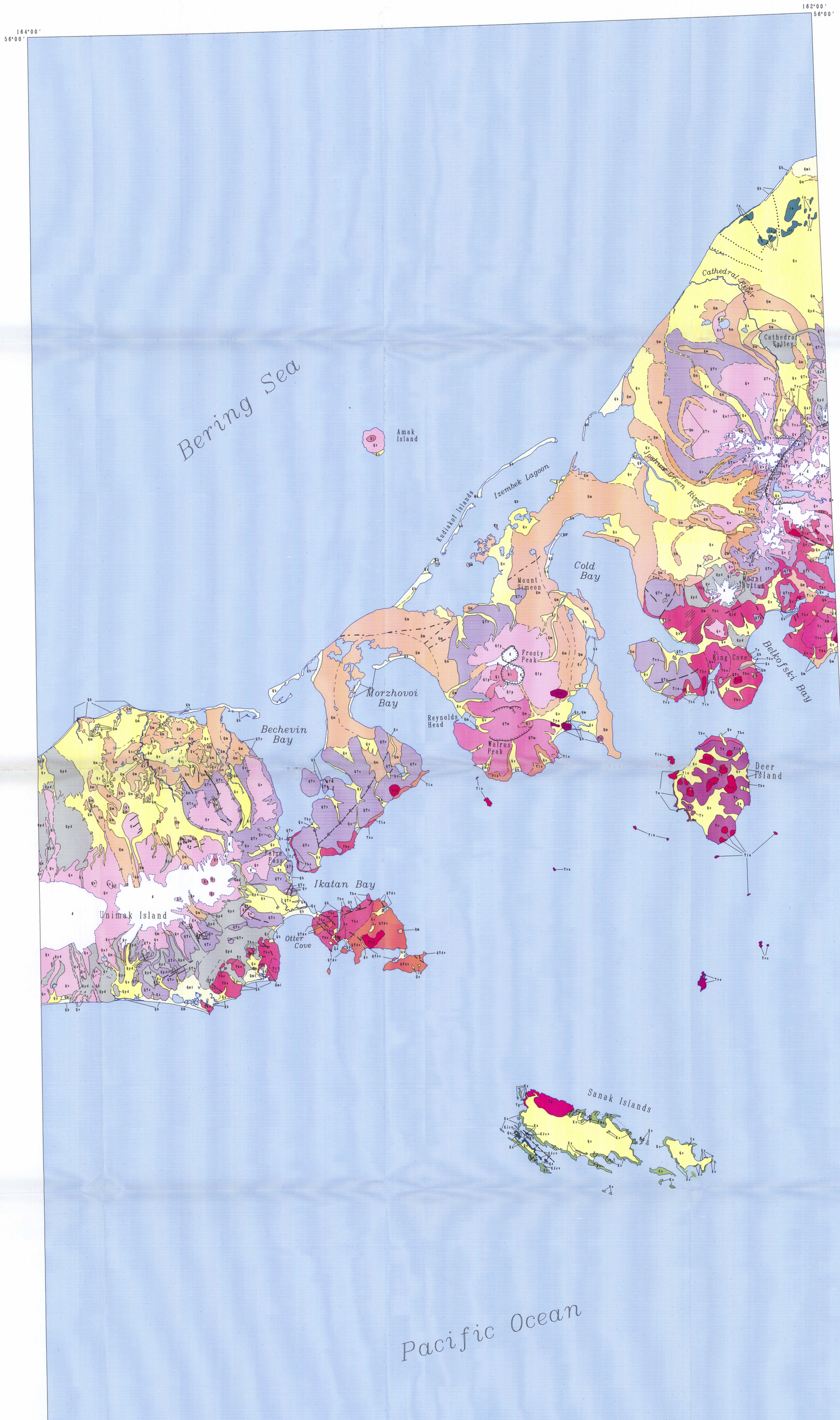
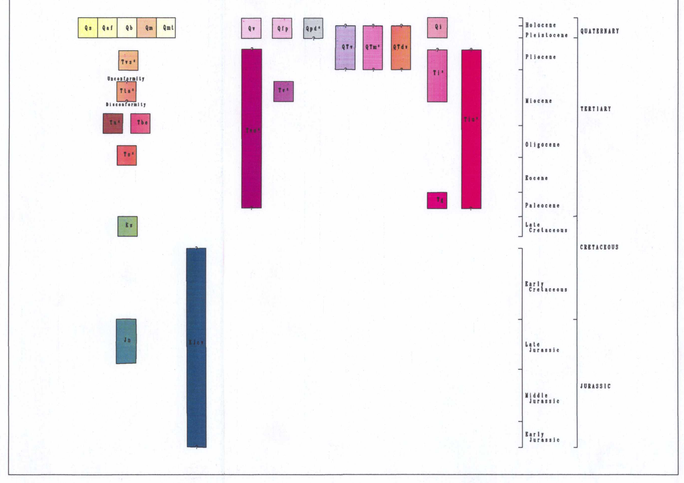
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE MAP 92-545



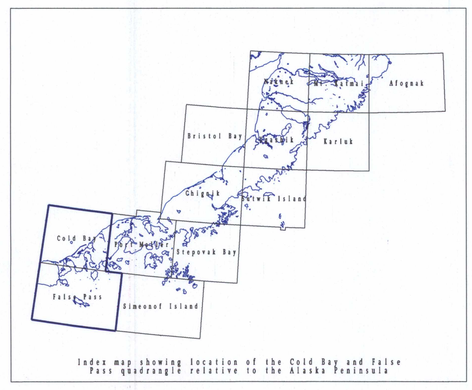
CORRELATION OF MAP UNITS

(See DESCRIPTION OF MAP UNITS for exact unit age assignments.)



LINE SYMBOLS

- Stratigraphic contacts -- Certain
- Stratigraphic contacts -- Approximate
- Stratigraphic contacts -- Inferred, queried
- Stratigraphic contacts -- Concealed
- Internal unit contacts
- Faults -- Certain
- Faults -- Approximate
- Faults -- Inferred, queried
- Faults -- Concealed
- Lineaments
- Caldera or crater rim
- Shorelines
- Ice contacts



Index map showing location of the Cold Bay and False Pass quadrangle relative to the Alaska Peninsula

Base from U.S. Geological Survey, Cold Bay, 1943 (minor revisions 1975); False Pass, 1949 (revised 1970) and

U.S. Dept. of Commerce, National Oceanic and Atmospheric Administration National Ocean Survey Chart 16535 (Morzhovoi Bay and Isanotski Strait), (edition of Sept. 4, 1976) used in the vicinity of Morzhovoi Bay and Isanotski Strait

Universal Transverse Mercator projection, zone 3

SCALE 1:250,000

Preliminary geologic map of the Cold Bay and False Pass quadrangles, Alaska Peninsula, Alaska

By

Frederic H. Wilson, Thomas P. Miller, and Robert L. Detterman

MAP SYMBOLS*

* See description of map units for full unit descriptions

Sedimentary rocks and surficial deposits

QUATERNARY

- Qs — Surficial deposits, undivided (Holocene and Pleistocene)
- Qaf — Alluvial fan and landslide deposits
- Qb — Marine beach and estuarine deposits
- Qmt — Marine terrace deposits
- Qm — Moraines and other glacial deposits

TERTIARY

- Tvs — Volcanic sedimentary rocks and agglomerate (Pliocene?)
- Tta — Tachilni Formation (late Miocene)
- Tu — Unga Formation (middle Miocene to late Oligocene)
- Tbe — Belkofski Formation (middle Miocene? to late Oligocene?)
- Ts — Stepovak Formation (early Oligocene and late Eocene)

Mesozoic units

CRETACEOUS

- Ks — Shumagin Formation (Late Cretaceous; Maestrichtian)

CRETACEOUS? and/or JURASSIC?

- KJcv — Chert and volcanic sequence (Early Cretaceous or Jurassic)

JURASSIC

- Jn — Naknek Formation, Northeast Creek Sandstone Member (Late Jurassic; Oxfordian)

Volcanic rocks

QUATERNARY

- Qv,Qfp,Hv — Volcanic rocks (Holocene and Pleistocene)
- Qpd — Pyroclastic and debris-flow deposits (Holocene and late Pleistocene?)

QUATERNARY and/or TERTIARY

- QTv — Volcanic rocks (Quaternary and Pliocene?)
- QTm — Morzhovoi Volcanics (early Quaternary?, Pliocene, and late Miocene?)
- QTdv — Volcanic breccia proximal to Dora Peak (Quaternary?, Pliocene?, and late Miocene?)

TERTIARY

- Tvu — Volcanic rocks, undivided (Tertiary)
- Tv — Volcanic rocks (late Miocene)

Intrusive rocks

QUATERNARY

- Qi — Intrusive rocks (Holocene and Pleistocene)

TERTIARY

- Ti — Intrusive rocks (Pliocene and late Miocene)
- Tiu — Intrusive rocks, undivided (Tertiary)
- Tg — Granodiorite (Paleocene)

Other

- Ice fields or glaciers
- Water (lakes, ocean)
- Altered zones.

October 08, 1992