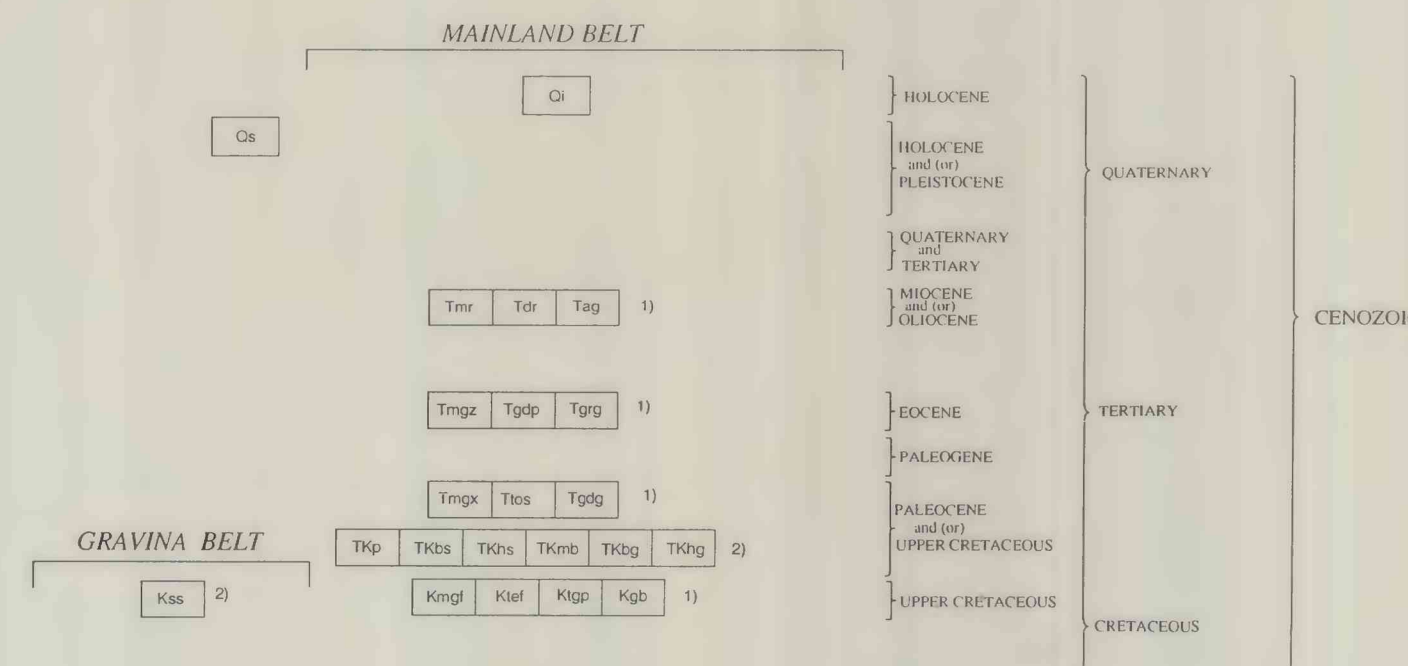




CORRELATION OF MAP UNITS IN THE PETERSBURG C-1 QUADRANGLE
(SEE INDEX MAP FOR LOCATION OF BELTS)



NOTES:
1. AGE OF EMPLACEMENT
2. AGE OF METAMORPHISM

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards and stratigraphic nomenclature. Any use of trade names is for descriptive purposes only and does not imply endorsement by the U.S.G.S.

BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG C-1 QUADRANGLE

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- Qi GLACIAL ICE AND PERMANENT SNOWFIELDS (Holocene)
- Tdr INTRUSIVE ROCKS OF BEHM CANAL PLUTONIC BELT (Miocene and/or Oligocene)
Rhyolite and Related Rocks
- Tmr Foliated Rhyolite and Related Rocks
- Tag Chlorite Granite
- Tmgz GRANODIORITE OF CENTRAL COAST METAMORPHIC-PLUTONIC COMPLEX AND ASSOCIATED MIGMATITES (Eocene)
Migmatite Consisting of Schist, Gneiss, Tonalite, and Granodiorite Invaded by Biotite Granodiorite
- Tgdp Porphyritic Biotite-Hornblende Granodiorite
- Tgrg Gneissic Biotite Granite and Granodiorite
- Tmxg INTRUSIVE ROCKS OF THE GREAT TONALITE SILL BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous and/or Paleocene)
Migmatite Consisting of Schist and Gneiss Invaded by Tonalite
- Ttos Biotite-Hornblende and Hornblende-Biotite Tonalite, Quartz Diorite, and Minor Granodiorite
- Tgdg Gneissic Biotite Granodiorite and Quartz Monzoniorite
- TKp METAMORPHIC ROCKS OF COAST MOUNTAINS COMPLEX (Upper Cretaceous and/or Paleocene)
Phyllite
- TKbs Biotite Schist
- TKhs Hornblende Schist and Semischist
- TKmb Marble and Calc-Silicate Granofels
- TKbg Biotite Gneiss
- TKhg Hornblende Gneiss

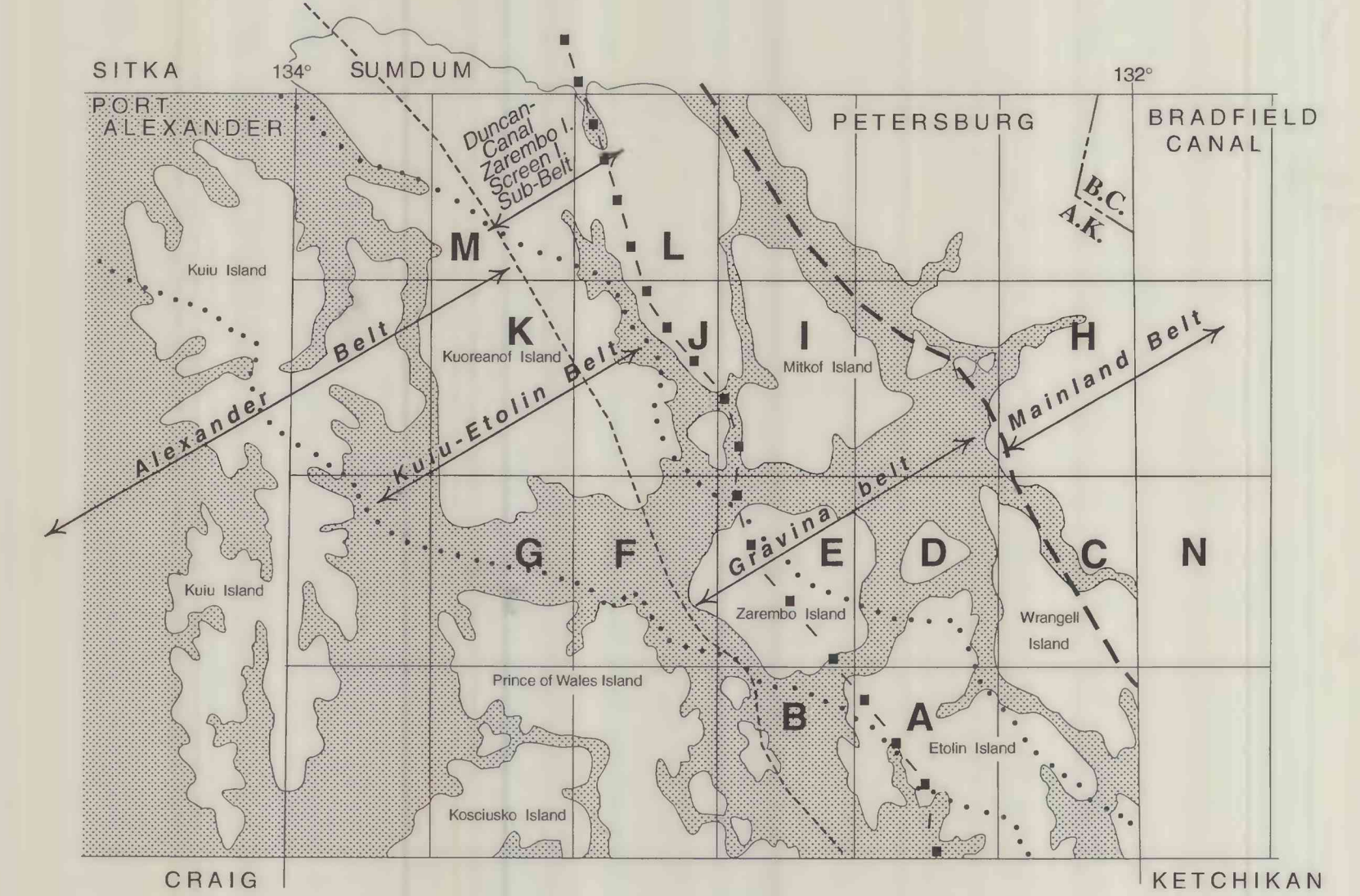
MAINLAND BELT AND GRAVINA BELT
INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
Kmgf Migmatite
Ktlf Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzoniorite, and Quartz Diorite
Ktgp Biotite Tonalite, Quartz Diorite, and Granodiorite
Kgb Metagabbro

GRAVINA BELT
METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)
Kss Schist and Hornfels

LINE SYMBOLS

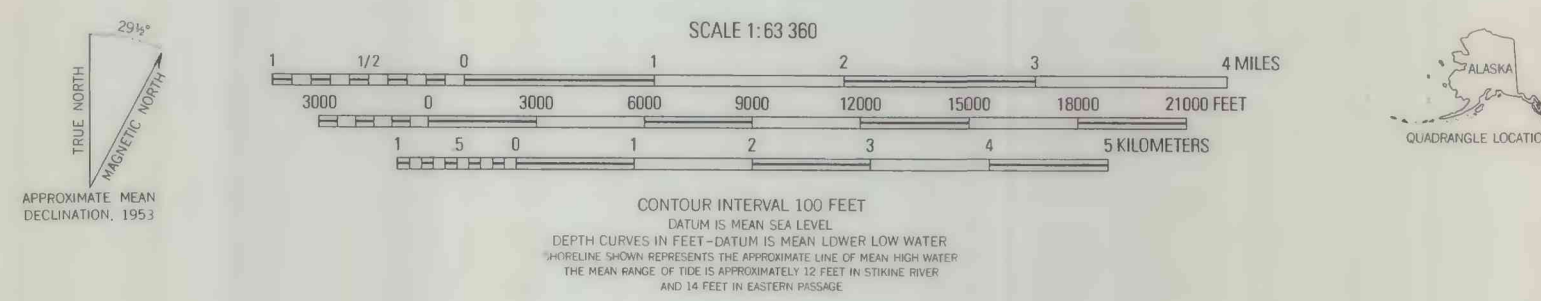
Contact; shown as solid line where position is known or inferred and where concealed by younger units or water; this convention has been adopted to facilitate future scanning and digitizing of this map data

High-angle fault; shown as solid line where position is known or inferred and where concealed by younger units or water; this convention has been adopted to facilitate future scanning and digitizing of this map data



Index map of Petersburg project area (Brew and others, 1984) showing locations of belts mentioned in text and on Correlation of Map Units diagram and the locations of 1:250,000- and 1:63,360-scale quadrangles. The 1:63,360-scale quadrangles in this Open-File Report map series (OFR 97-156a-n) are indicated by capital letters. The different types of lines bounding the belts have no special significance.

Base from U.S.G.S 1:63,360
Topographic Map Series, 1953



Geologic Mapping by:
D.A. Brew, P.D. Burrell, A.B. Ford,
C. Huie, S.J. Hunt, S.M. Karl, R.D. Koch,
T.E. Moore, R.P. Morrell, K. Reading,
and R.A. Sonnevil; 1978-1982

This report is preliminary and has not been edited or reviewed for conformity with U.S. Geological Survey editorial standards or with the North American Stratigraphic Code. Any use of trade, firm, or product names is for descriptive purposes only and does not imply endorsement by the U.S. Government

RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG C-1 QUADRANGLE, SOUTHEASTERN ALASKA

By
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1997