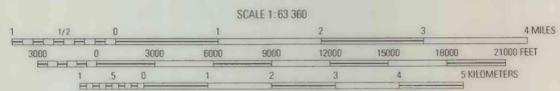


Base from U.S.G.S 1:63,360
Topographic Map Series, 1955

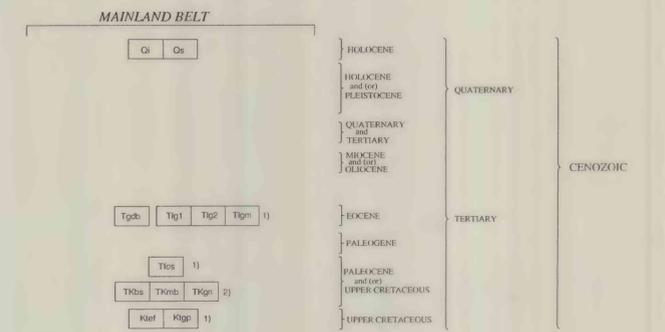


CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET - DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE HIGH RANGE OF TIDE IS APPROXIMATELY 14 FEET



Geologic Mapping by:
R.D. Koch, R.L. Elliott, D.A. Brew,
J.D. Gallineti, S.M. Karl, M.L. Miller,
R.P. Morrell, and R.A. Sonnevi; 1978-1979

CORRELATION OF MAP UNITS IN THE BRADFIELD CANAL B-6 QUADRANGLE
(SEE INDEX MAP FOR LOCATION OF BELTS)



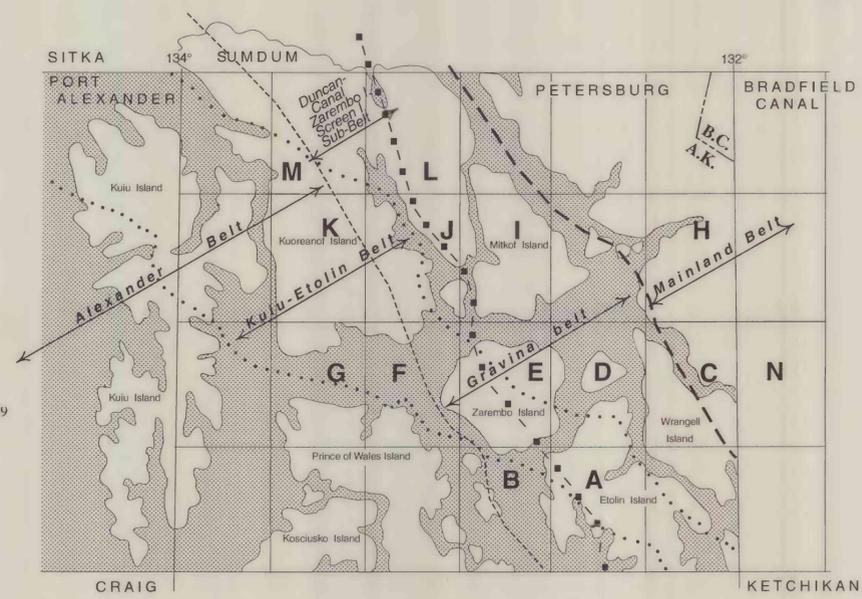
NOTES:
1. AGE OF EMPLACEMENT
2. AGE OF METAMORPHISM

BRIEF DESCRIPTION OF MAP UNITS IN THE BRADFIELD CANAL B-6 QUADRANGLE
MAINLAND BELT

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- Qi GLACIAL ICE AND PERMANENT SNOWFIELDS (Holocene)
- GRANDIORITE OF CENTRAL COAST METAMORPHIC-PLUTONIC COMPLEX (Eocene)
 - Tgdb Hornblende-Biotite Granodiorite and Quartz Diorite
 - Tlg1 Leucocratic Porphyritic Biotite Granodiorite and Adamellite [Granite]
 - Tlg2 Leucocratic Granodiorite
 - Tlgn Migmatite associated with Leucocratic Granodiorite
- INTRUSIVE ROCKS OF THE GREAT TONALITE SILL BELT (Upper Cretaceous and/or Paleocene)
 - Ttos Biotite-Hornblende and Hornblende-Biotite Tonalite, Quartz Diorite, and Minor Granodiorite
- METAMORPHIC ROCKS OF COAST MOUNTAINS COMPLEX (Upper Cretaceous and/or Paleocene)
 - TKbs Biotite Schist
 - TKmb Marble and Calc-Silicate Granofels
 - TKgn Garnet-Biotite Gneiss and Schist, and Amphibolite
- INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT (Upper Cretaceous)
 - Ktfe Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzodiorite, and Quartz Diorite
 - Ktgp Biotite Tonalite, Quartz Diorite, and Granodiorite

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) and adjacent Bradfield Canal area 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.

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 BRADFIELD CANAL
B-6 QUADRANGLE, SOUTHEASTERN ALASKA**

By
David A. Brew and Richard D. Koch
1997