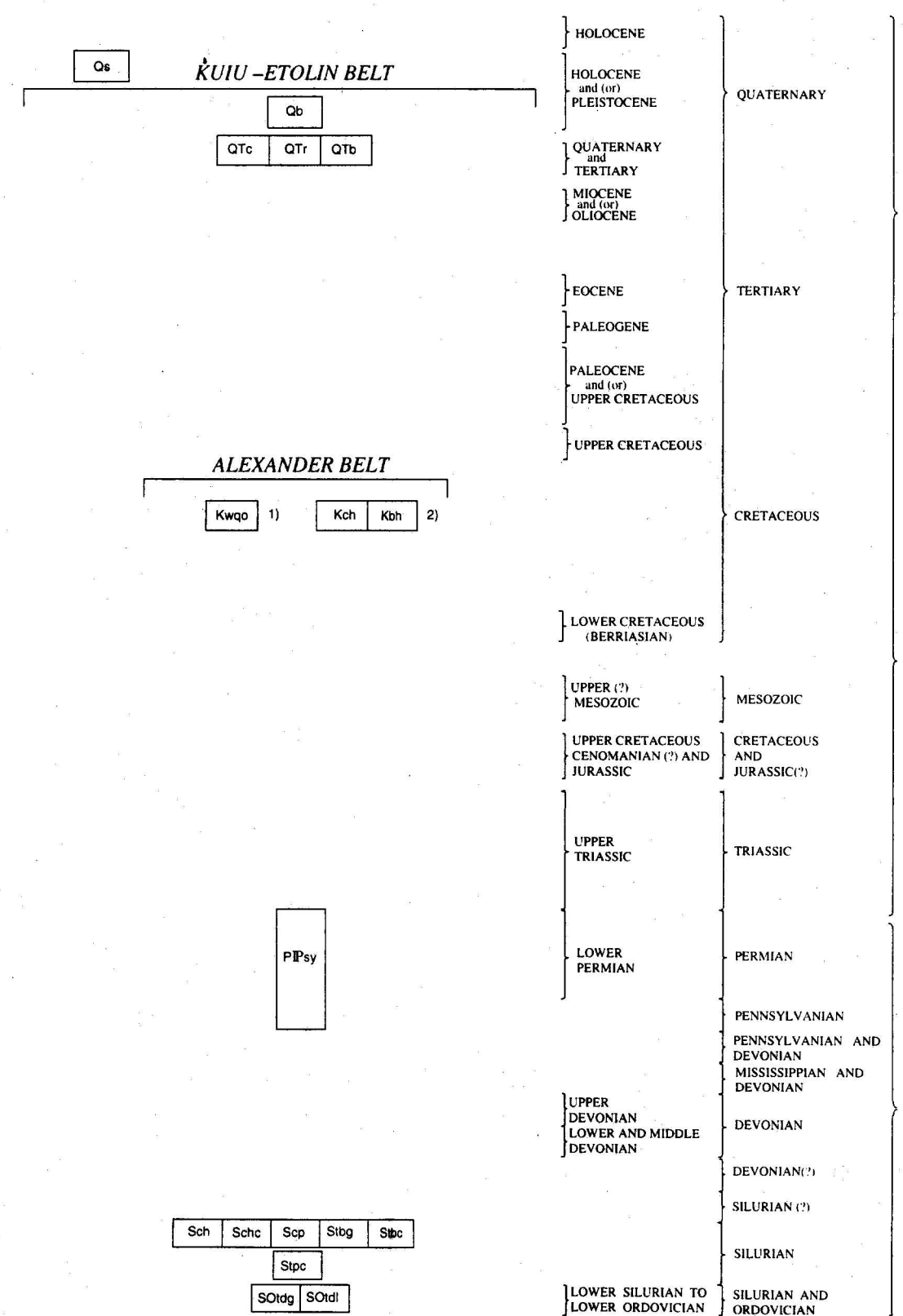


**CORRELATION OF MAP UNITS IN THE PETERSBURG B-5 QUADRANGLE**  
(SEE INDEX MAP FOR LOCATION OF BELTS)



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.

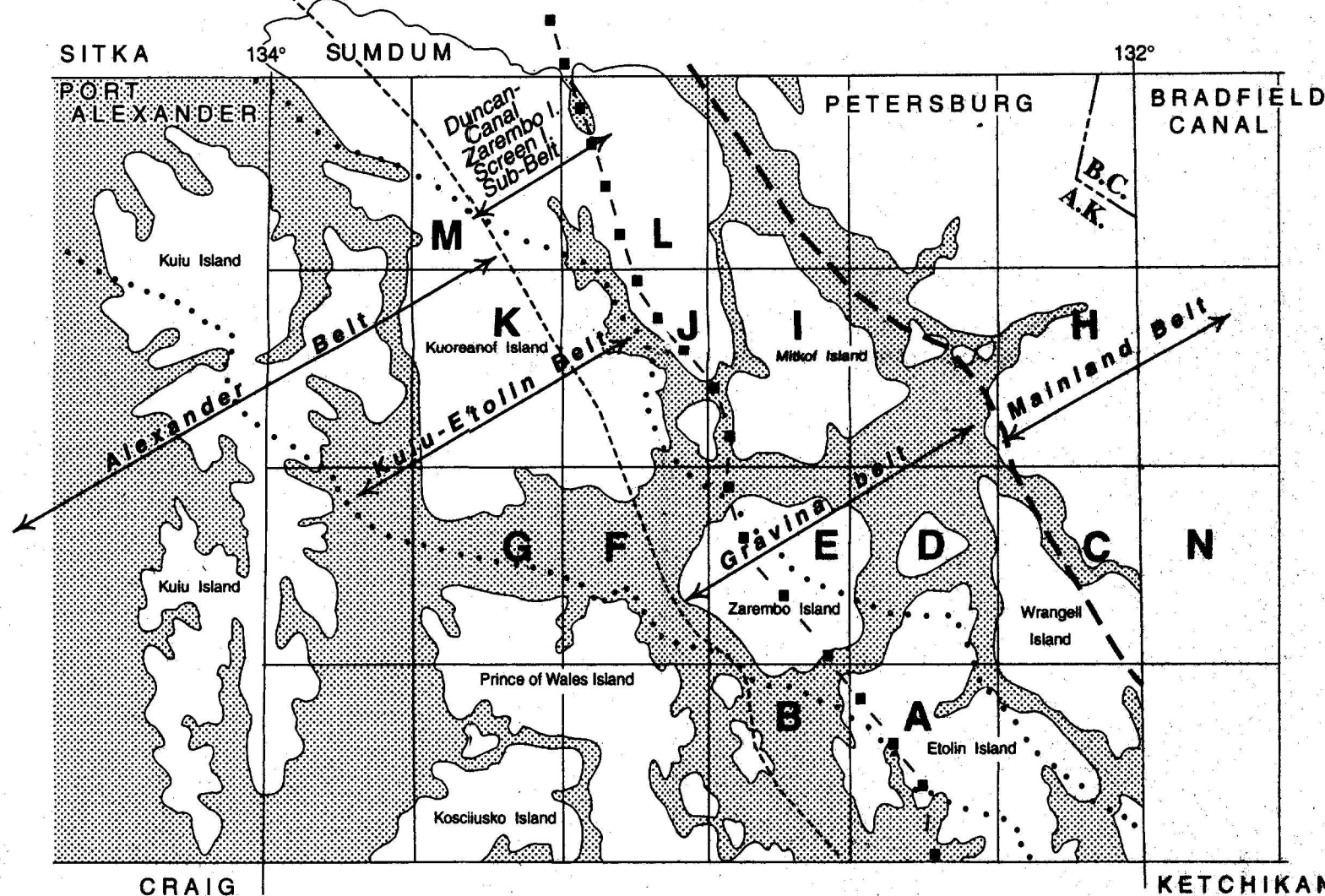
- BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG B-5 QUADRANGLE**
- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)
  - KUIU-ETOLIN BELT**
  - EXTRUSIVE AND INTRUSIVE VOLCANIC ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Quaternary and Tertiary)
    - Qb Extrusive Basaltic Rocks and Underlying Sediments
    - Qtc Volcaniclastic Deposits
    - Qtr Rhyolite, Rhyodacite, and Related Siliceous Extrusive and Intrusive Rocks
    - Qtb Basalt and Other Mafic Extrusive Rocks
  - ALEXANDER BELT**
  - INTRUSIVE ROCKS OF THE CHILKAT-PRINCE OF WALES PLUTONIC PROVINCE (Cretaceous)
    - Kwqo Hornblende Quartz Monzoniorite with Minor Tonaltite, Granodiorite, Quartz Diorite, Diorite, Quartz Monzonite, and Monzoniorite
  - METAMORPHIC ROCKS IN THE CHILKAT-PRINCE OF WALES PLUTONIC PROVINCE
    - Kch Biotite-Quartz-Feldspar Hornfels derived from conglomerate
    - Kbh Biotite-Quartz-Feldspar Hornfels derived from turbidites
  - PPP sy PORPHYRITIC SYENITE (Inferred Early Permian And Late Pennsylvanian)
  - PRINCE OF WALES ISLAND SEQUENCE (Devonian to Ordovician)
    - Sch Carbonate Rocks and Associated Conglomerates (Upper to Lower Silurian)
    - Schc Heceta Limestone
    - Schc Polymictic Conglomerate Intercalated with Heceta Limestone
    - Scp Polymictic Conglomerate

- Turbidites and associated rocks (Upper Silurian to Lower Ordovician)
  - Bay of Pillars Formation on Kuiu and western Prince of Wales Islands (Upper to Lower Silurian)
    - Stbg Graywacke, Mudstone, Turbidites, and Limestone
    - Stbc Polymictic Conglomerate
  - Bay of Pillars Formation on Northeastern Prince of Wales Island (Upper(?) to Lower Silurian)--
    - Stpc Conglomerate, Agglomerate, and Volcanic Breccia
  - Descon Formation (Lower Silurian to Lower Ordovician)
    - Sctdg Graywacke
    - Sctdl Limestone

**LINE SYMBOLS**

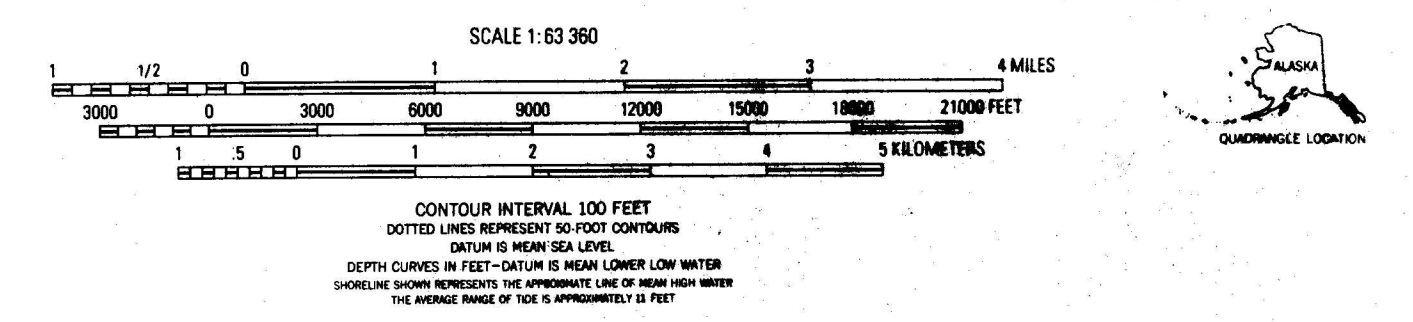
Contact; shown as solid line where position is known or inferred and where concealed by younger units or water; this convention has been adopted to facilitate future scanning and digitizing of this map data; locally extended for long distances beneath water where no control is available

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, 1949



Geologic Mapping by:  
D.A. Brew, P.D. Burrell, A. Barrows, M. Churkin, Jr.,  
J.G. Evans, A.B. Ford, D.J. Grybeck, S.J. Hunt,  
S.M. Karl, R.D. Koch, A.T. Owenshine, K. Reading,  
R.A. Sonnevill, and G.D. Webster; 1968-1982

**RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG B-5 QUADRANGLE, SOUTHEASTERN ALASKA**

By  
**David A. Brew**  
1997

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