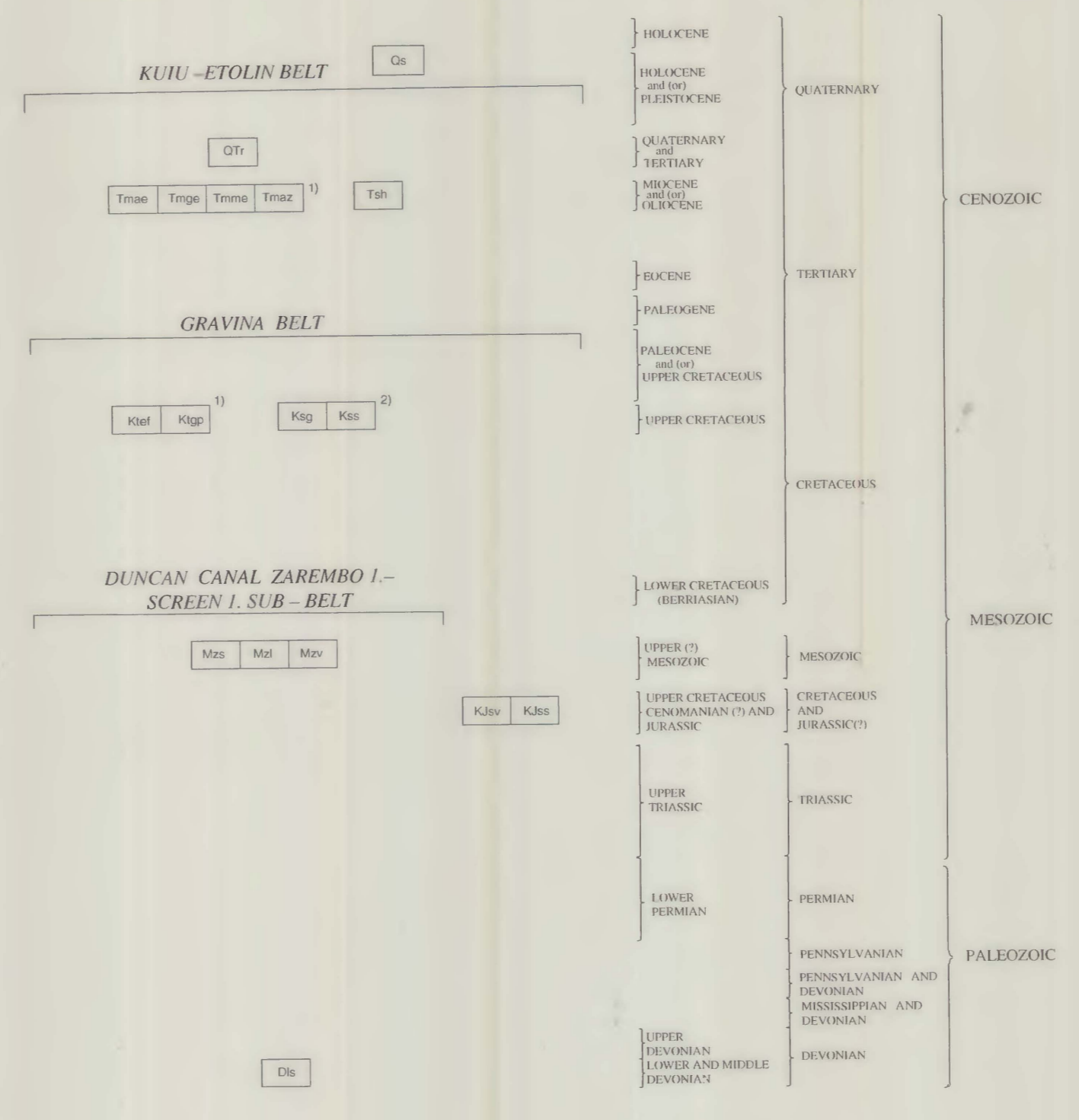


**CORRELATION OF MAP UNITS IN THE PETERSBURG A-2 QUADRANGLE**  
(SEE INDEX MAP FOR LOCATION OF BELTS)



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

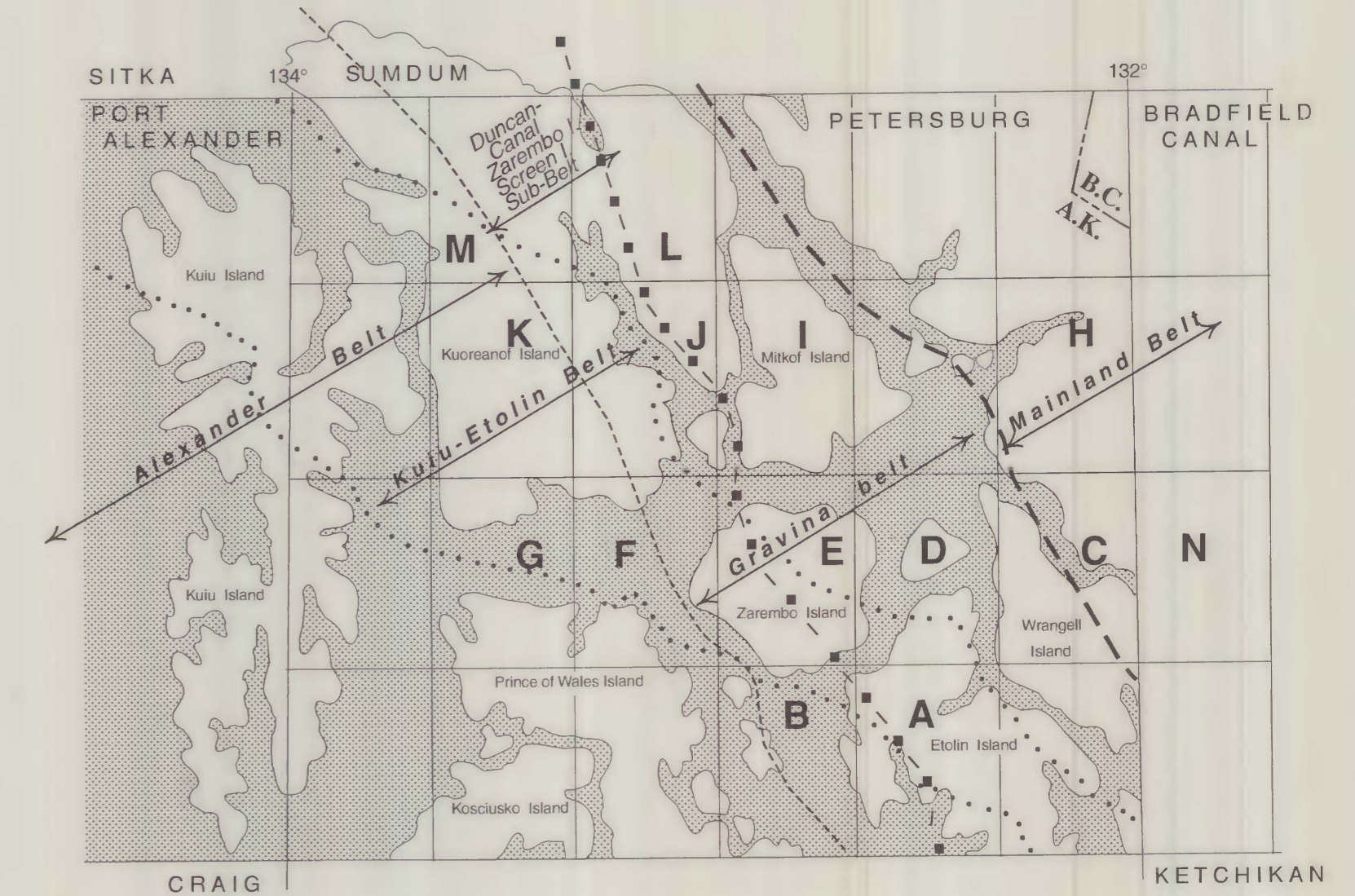
**BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG A-2 QUADRANGLE**

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- KUIJU-ETOLIN BELT**
- QTr EXTRUSIVE AND INTRUSIVE VOLCANIC ROCKS OF KUIJU-ETOLIN VOLCANIC-PLUTONIC BELT (Quaternary and Tertiary)
- Tmae Rhyolite, Rhyodacite, and Related Siliceous Extrusive and Intrusive Rocks
- Tmge INTRUSIVE GRANITIC AND OTHER ROCKS OF KUIJU-ETOLIN VOLCANIC-PLUTONIC BELT (Miocene and/or Oligocene)
- Tmme Alkali Granite Satellic to Granite of Central Etolin Island
- Tmaz Granite of Central and Northern Etolin Island
- Tsh Migmatitic Granitic Rocks of Central and Northern Etolin Island
- Tmaz Alkali Granite of Northwestern Etolin and Southeastern Zarembo Islands
- Tsh HORNFELSED SEYMOUR CANAL FORMATION ROCKS (Miocene and/or Oligocene)
- GRAVINA BELT**
- Ktfe INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
- Ktgp Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzodiorite, and Quartz Diorite
- Ktgp Biotite Tonalite, Quartz Diorite, and Granodiorite
- Ksg METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)
- Ksg Greenstone and Greenschist

- STEPHENS PASSAGE GROUP (Upper Cretaceous/Cenomanian to Upper Jurassic(?))
- KJsv Brothers Volcanics/Douglas Island Volcanics--Augite-bearing flows, volcanic breccia, and intercalated tuff, volcanic graywacke, phyllite and slate.
- KJss Seymour Canal Formation--Graywacke, slate, and minor conglomerate.
- DUNCAN CANAL-ZAREMBO ISLAND-SCREEN ISLAND SUB-BELT OF THE GRAVINA BELT
- MZs METAMORPHOSED STEPHENS PASSAGE GROUP AND OTHER ROCKS (Upper(?) Mesozoic)
- Mz1 Semischist and Phyllite
- Mz1 Massive Limestone
- Mzv Greenschist and Greenstone Metamorphosed From Intermediate to Mafic Volcanic Rocks
- Dis FOSSILIFEROUS LIMESTONE (Lower and Middle Devonian)

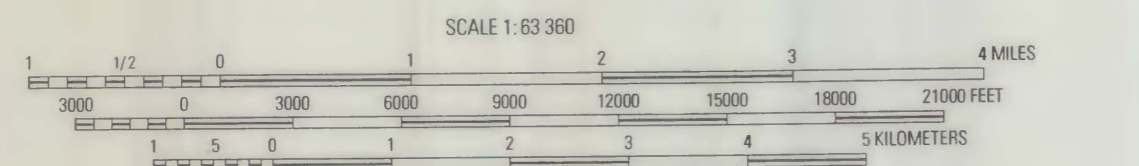
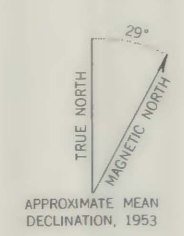
**LINE SYMBOLS**

- 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



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 HIGH TIDE-WATER  
THE MEAN RANGE OF TIDE IS APPROXIMATELY 4 FEET

Geologic Mapping by  
D.A. Brew, H.C. Berg, P.D. Burrell, A.B. Ford, D.J. Grybeck,  
C. Huic, S.J. Hunt, S.M. Karl, R.D. Koch, T.E. Moore,  
R.P. Morrell, and R.A. Sonnevil: 1978-1981

**RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG A-2 QUADRANGLE, SOUTHEASTERN ALASKA**

By  
**David A. Brew**  
1997

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