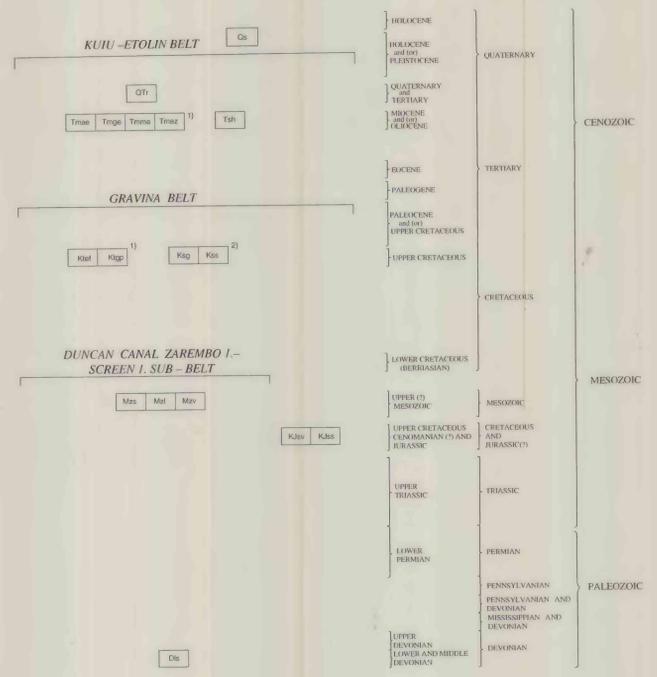


**CORRELATION OF MAP UNITS IN THE PETERSBURG A-2 QUADRANGLE**  
(SEE INDEX MAP FOR LOCATION OF BELTS)



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

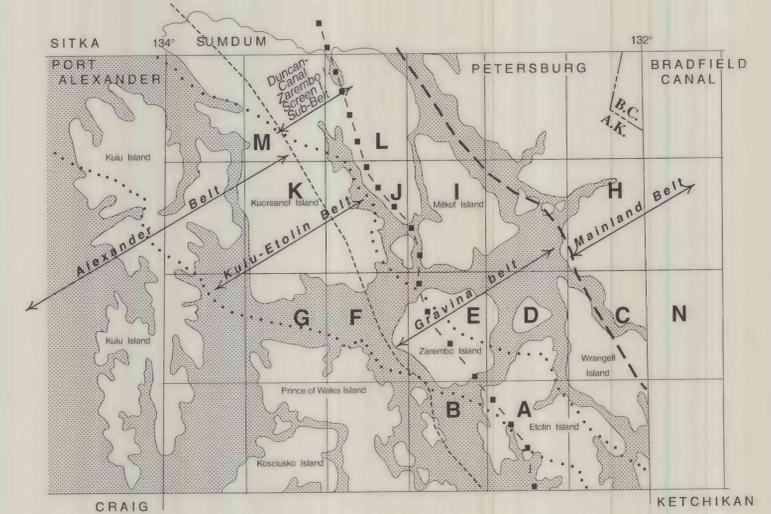
**BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG A-2 QUADRANGLE**

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- KUIU-ETOLIN BELT**  
EXTRUSIVE AND INTRUSIVE VOLCANIC ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Quaternary and Tertiary)  
QTr Rhyolite, Rhyodacite, and Related Siliceous Extrusive and Intrusive Rocks  
INTRUSIVE GRANITIC AND OTHER ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Miocene and/or Oligocene)  
Tmae Alkali Granite Satellite to Granite of Central Etolin Island  
Tmge Granite of Central and Northern Etolin Island  
Tmme 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**  
INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)  
Ktfe Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzodiorite, and Quartz Diorite  
Ktgp Biotite Tonalite, Quartz Diorite, and Granodiorite
- 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  
METAMORPHOSED STEPHENS PASSAGE GROUP AND OTHER ROCKS (Upper(?) Mesozoic)  
Mzs Semischist and Phyllite  
Mzl 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  
LATITUDE IS MEAN SEA LEVEL  
BEATS CURVES IN FEET QUANT TO MEAN LOW WATER  
SHORELINE SHOWS APPROXIMATE LINE OF MEAN HIGH WATER  
THE MORE BOLD 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

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