

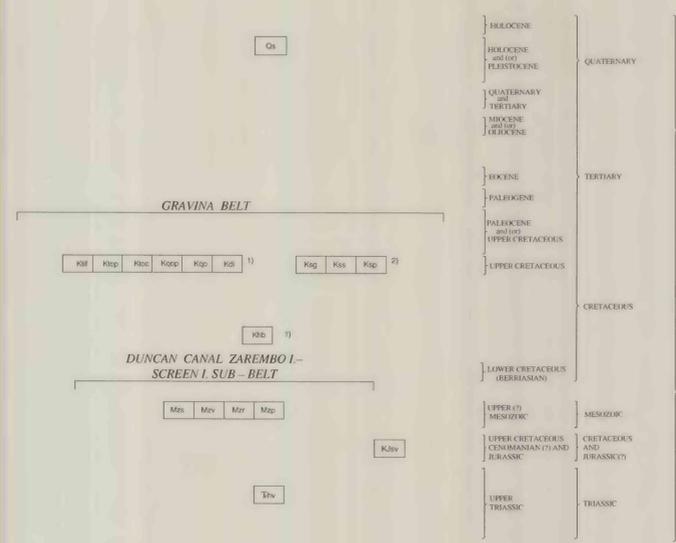
Base from U.S.G.S 1:63,360
Topographic Map Series, 1953



Geologic Mapping by:
D.A. Brew, H.C. Berg, P.D. Burrell,
A.B. Ford, S.J. Hunt, S.M. Karl,
R.D. Koch, T.E. Moore, and
R.A. Sonnevil; 1979-1992

CONTOUR INTERVAL 100 FEET
DATA IS MEAN SEA LEVEL
DEPTH CURVES IN FEET. CATCH IS MEAN LOW WATER
SHORELINE SHOWN REPRESENTS THE WYOMING LINE OR MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 13 FEET

CORRELATION OF MAP UNITS IN THE PETERSBURG C-3 QUADRANGLE
(SEE INDEX MAP FOR LOCATION OF BELTS)



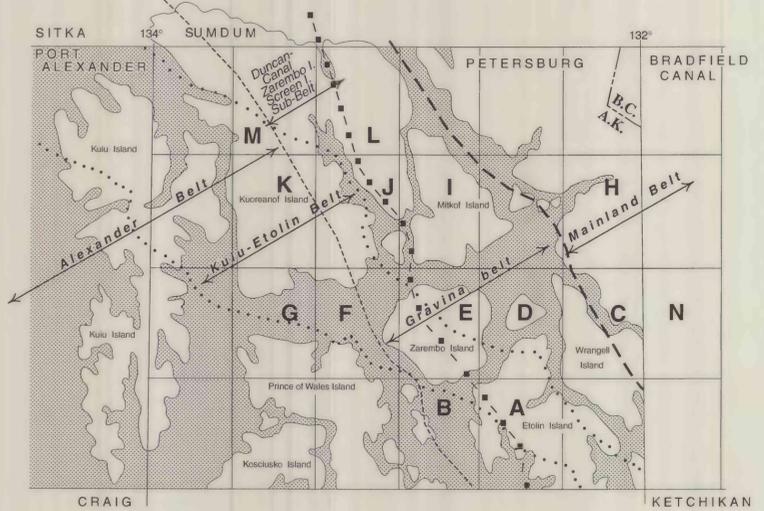
NOTES:
1. AGE OF EMPLACEMENT
2. AGE OF METAMORPHISM

BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG C-3 QUADRANGLE

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glacioluvial deposits.
- GRAVINA BELT**
INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
 - Ktlf Hornblende-Biotite Tonalite, Granodiorite, Quartz Monzodiorite, and Quartz Diorite
 - Ktop Hornblende-Biotite Tonalite
 - Ktbc Garnet-Biotite Tonalite and Minor Granodiorite
 - Ksp Biotite-Epidote-Hornblende Quartz Monzodiorite
 - Kqp Pyroxene-Biotite-Hornblende-Quartz Monzodiorite, Quartz Diorite, Monzodiorite, and Diorite
 - Kdi Hornblende Diorite
- METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)
 - Kss Schist and Hornfels
 - Ksp Phyllite
- INTRUSIVE ROCKS OF KLUKWAN-DUKE PLUTONIC BELT (Cretaceous)
 - Khb Hornblendite
- 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
 - Mzv Greenschist And Greenstone Metamorphosed From Intermediate To Mafic Volcanic Rocks
 - Mzv Schist and Semischist Metamorphosed From Felsic Volcanic Rocks
 - Mzv Phyllite and Slate Metamorphosed From Tuff, Mudstone and Minor Graywacke
- STEPHENS PASSAGE GROUP (Upper Cretaceous/Cenomanian to Upper Jurassic(?))
 - Kjsv Brothers Volcanics/Douglas Island Volcanics
- HYD GROUP(?) (Upper Triassic)
 - Thv Felsic and Intermediate Volcanic Flows and Breccia, Limestone, and Argillite

LINE SYMBOLS

- Qs/Ksp Surficial deposits over a bedrock unit where the relations would otherwise be unclear
- 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.

RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG C-3 QUADRANGLE, SOUTHEASTERN ALASKA

By
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1997

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