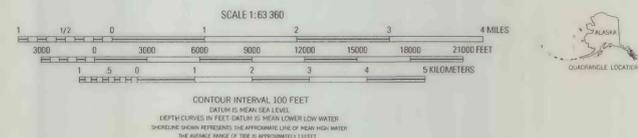
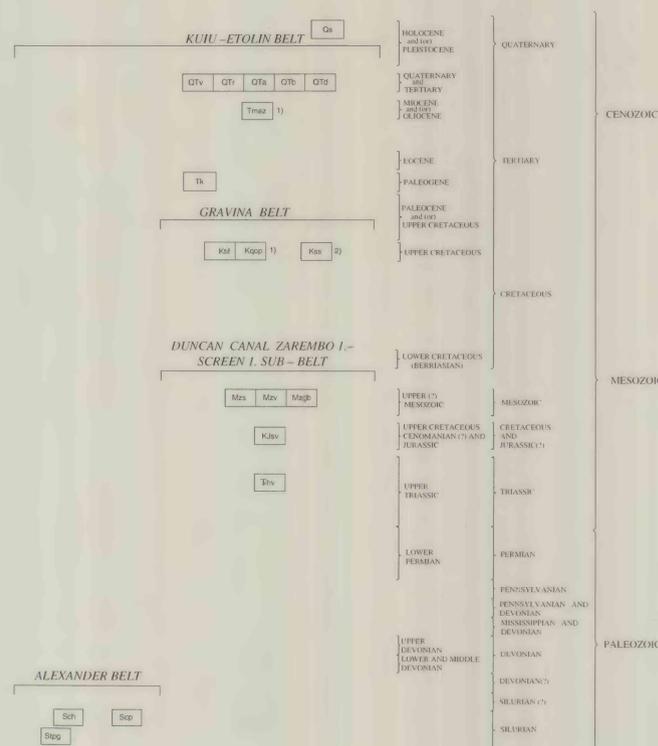


Base from U.S.G.S 1:63,360
Topographic Map Series, 1948



Geologic Mapping by
D.A. Brew, H.C. Berg, A.B. Ford,
D.J. Grybeck, C. Hnie, S.J. Hunt,
S.M. Karl, R.D. Koch, R.P. Morrell, A.T. Ovenshine,
K. Reading, J.G. Smith, R.A. Sonnevil, and G.D. Webster, 1968-1982

CORRELATION OF MAP UNITS IN THE PETERSBURG B-3 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.

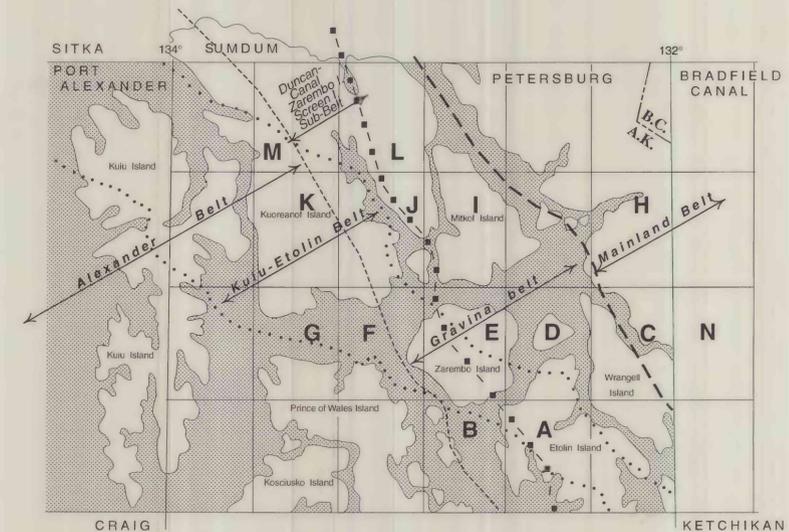
BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG B-3 QUADRANGLE

- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)—Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- EXTRUSIVE AND INTRUSIVE VOLCANIC ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Quaternary and Tertiary)
 - QTV Vent Breccia
 - QTr Rhyolite, Rhyodacite, and Related Siliceous Extrusive and Intrusive Rocks
 - QTa Andesite and Other Intermediate Extrusive Rocks
 - QTb Basalt and Other Mafic Extrusive Rocks
 - QTd Dikes, Sills, and Extrusive Rocks
- INTRUSIVE GRANITIC AND OTHER ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Miocene and/or Oligocene)
 - Tmaz Alkali Granite of Northwestern Etolin and Southeastern Zarembo Islands
- Tsh HORNFELSE SEYMOUR CANAL FORMATION ROCKS (Miocene and/or Oligocene)
- Tk KOOTZNAHOO FORMATION(?) (Paleogene)—Nonmarine arkosic sandstone, sandstone, shale, and conglomerate.
- ALEXANDER BELT
 - PRINCE OF WALES ISLAND SEQUENCE (Devonian to Ordovician)
 - Sch Carbonate Rocks and Associated Conglomerates (Upper to Lower Silurian)
 - Sch Heceta Limestone
 - Scp Polymictic Conglomerate
 - Turbidites and associated rocks (Upper Silurian to Lower Ordovician):
 - Stpg Bay of Pillars Formation on Northeastern Prince of Wales Island (Upper(?) to Lower Silurian)
 - Stpg Graywacke, Slate, and Limestone

- GRAVINA BELT
 - INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
 - Ktlf Hornblende-Biotite Tonalite, Granodiorite, Quartz Monzodiorite, and Quartz Diorite
 - Kqop Biotite-Epidote-Hornblende Quartz Monzodiorite
 - 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.
 - METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)
 - Kss Schist and Hornfels
 - DUNCAN CANAL-ZAREMBO ISLAND-SCREEN ISLAND SUB-BELT OF THE GRAVINA BELT
 - Mzs METAMORPHOSED STEPHENS PASSAGE GROUP AND OTHER ROCKS (Upper(?) Mesozoic)
 - Mzs Semischist and phyllite
 - Mzv Greenschist And Greenstone Metamorphosed From Intermediate To Mafic Volcanic Rocks
 - Mzgb Gabbro
 - HYD GROUP(?) (Upper Triassic)
 - Tshv Felsic and Intermediate Volcanic Flows and Breccia, Limestone, and Argillite

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.

RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG B-3 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