U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
97-156-D
Pamphlet accompanies map

BREW, David A., Reconnaissance Geologic Map of the Petersburg B-2 Quadrangle, southeastern Alaska

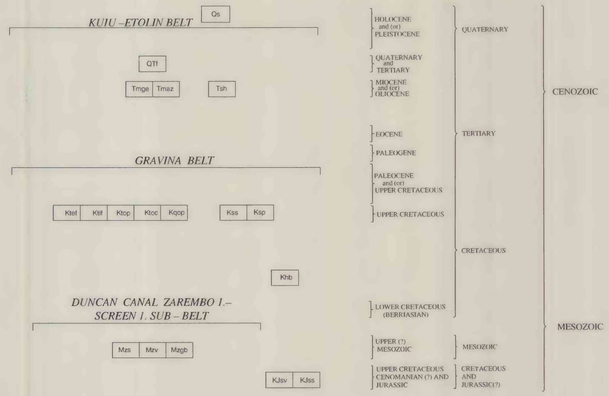
Base from U.S.G.S 1:63,360
Topographic Map Series, 1953

SCALE 1:63 360

CONTOUR INTERVAL 100 FEET
(DATUM IS MEAN SEA LEVEL)
DEPTH CURVES IN FEET--DATUM IS MEAN LOWER LOW WATER

Geologic Mapping by D.A. Brew, H.C. Berg, P.D. Burrell, A.B. Ford, C. Huie, S.J. Hunt, S.M. Karl, R.D. Koch, R.P. Morrell, A.T. Ovenshine, K. Reading, R.A. Sonnevil; 1971-1982

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



BRIEF DESCRIPTION OF MAP UNITS IN THE PETERSBURG B-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)

Tmge Granite 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)

Ktef Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzodiorite, and Quartz Diorite

Ktif Hornblende-Biotite Tonalite, Granodiorite, Quartz Monzodiorite, and Quartz Diorite

Ktop Hornblende-Biotite Tonalite

Ktoc Garnet-Biotite Tonalite and Minor Granodiorite

Kqop Biotite-Epidote-Hornblende Quartz Monzodiorite

METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)

Kss Schist and Hornfels

Ksp Phyllite

INTRUSIVE ROCKS OF KLUKWAN-DUKE PLUTONIC BELT (Cretaceous)

Khb Hornblendite

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

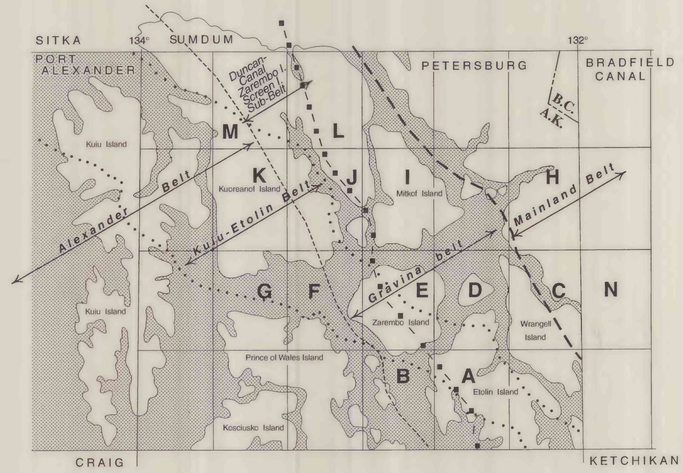
Mzv Greenschist and Greenstone Metamorphosed From Intermediate to Mafic Volcanic Rocks

Mzgb Gabbro

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-2 QUADRANGLE, SOUTHEASTERN ALASKA

By
David A. Brew

1997

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