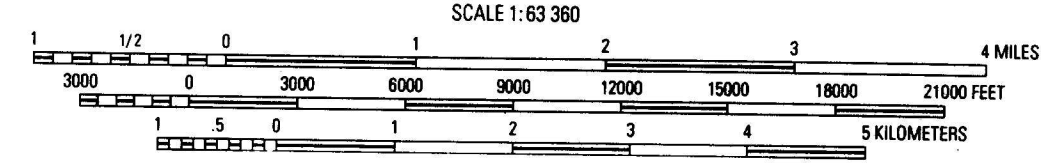
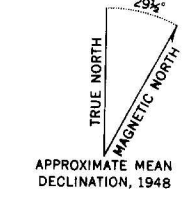


Base from U.S.G.S 1:63,360
Topographic Map Series, 1948

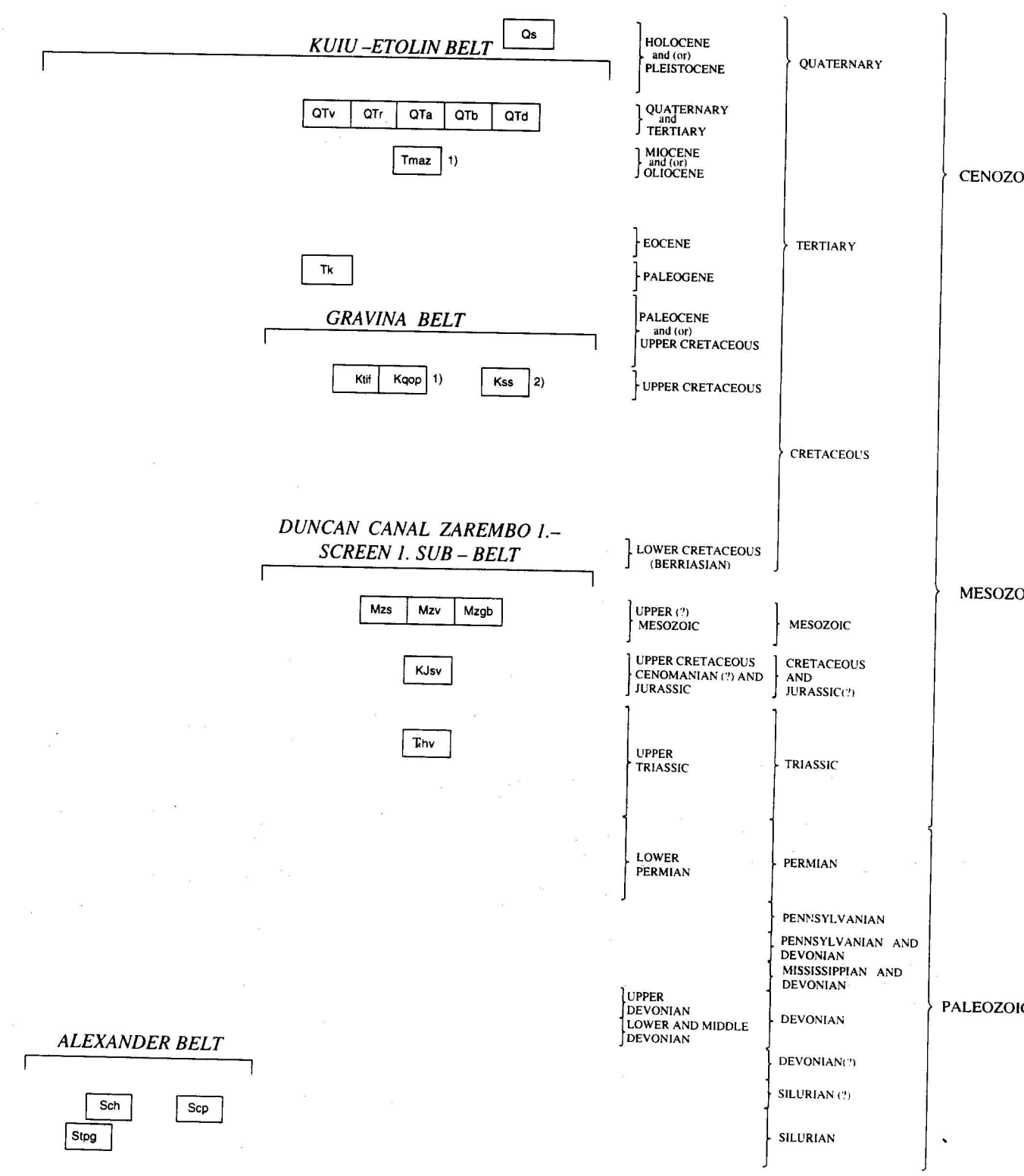


CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET (DASHES) TO MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE ONE OF MEAN HIGH WATER
THE HORIZONTAL RANGE OF TIDE IS APPROXIMATELY 13 FEET



Geologic Mapping by
D.A. Brew, H.C. Berg, A.B. Ford,
D.J. Grybeck, C. Huie, S.J. Hunt,
S.M. Karl, R.D. Koch, R.P. Morrell, A.T. Overstreet,
K. Reading, J.G. Smith, R.A. Sonnevill, 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

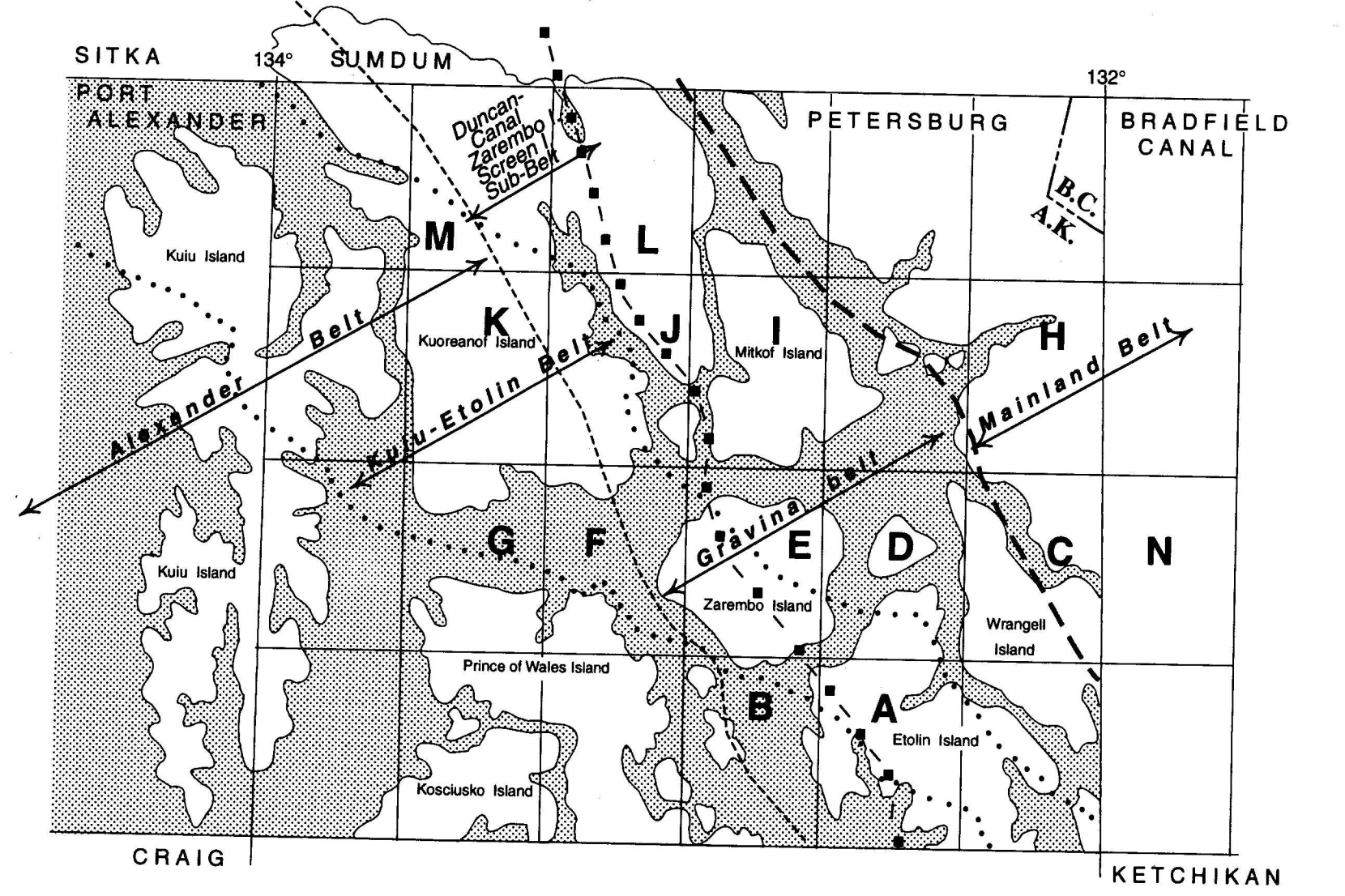
- Qs SURFICIAL DEPOSITS (Holocene and/or Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.
- KUIU-ETOLIN BELT**
EXTRUSIVE AND INTRUSIVE VOLCANIC ROCKS OF KUIU-ETOLIN VOLCANIC-PLUTONIC BELT (Quaternary and Tertiary)
QTV Vent Breccia
QTr Rhyolite, Rhyodacite, and 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 HORNFELSED SEYMOUR CANAL FORMATION ROCKS (Miocene and/or Oligocene)
- Tk KOOTZNAHO 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)
Heceta Limestone
Sop Polymictic Conglomerate
Turbidites and associated rocks (Upper Silurian to Lower Ordovician):
Bay of Pillars Formation on Northeastern Prince of Wales Island (Upper?) to Lower Silurian)
Stp Graywacke, Slate, and Limestone

GRAVINA BELT

- INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
Ktif 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**
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)
Thv 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