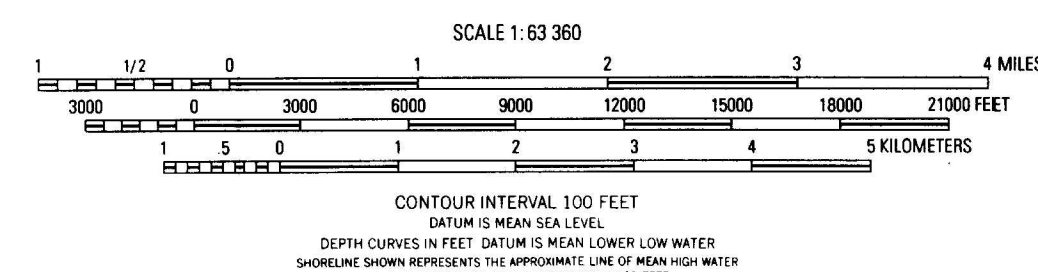
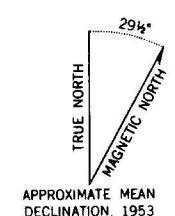
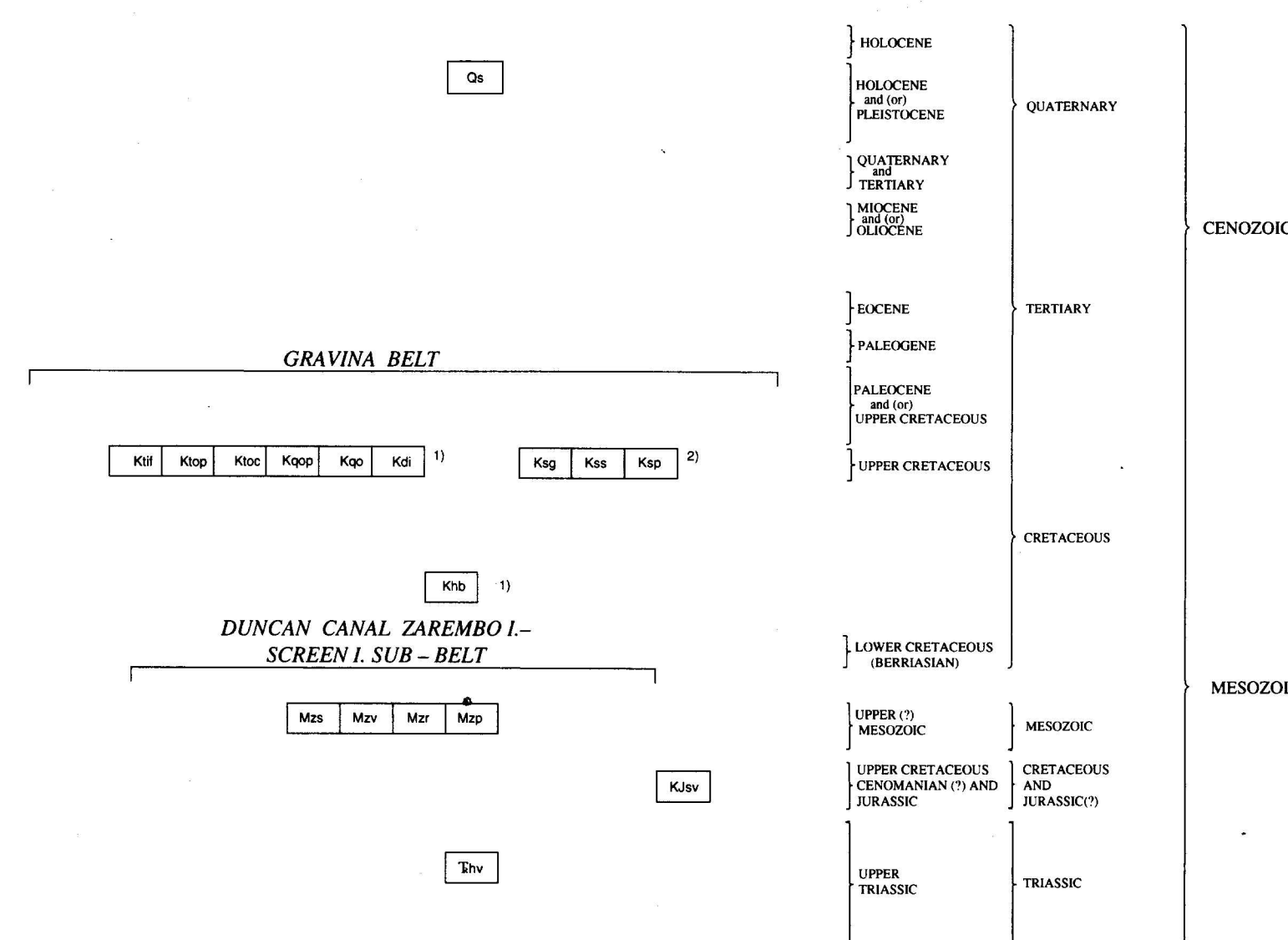


Base from U.S.G.S 1:63,360
Topographic Map Series, 1953



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. Sonnevi; 1979-1992

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



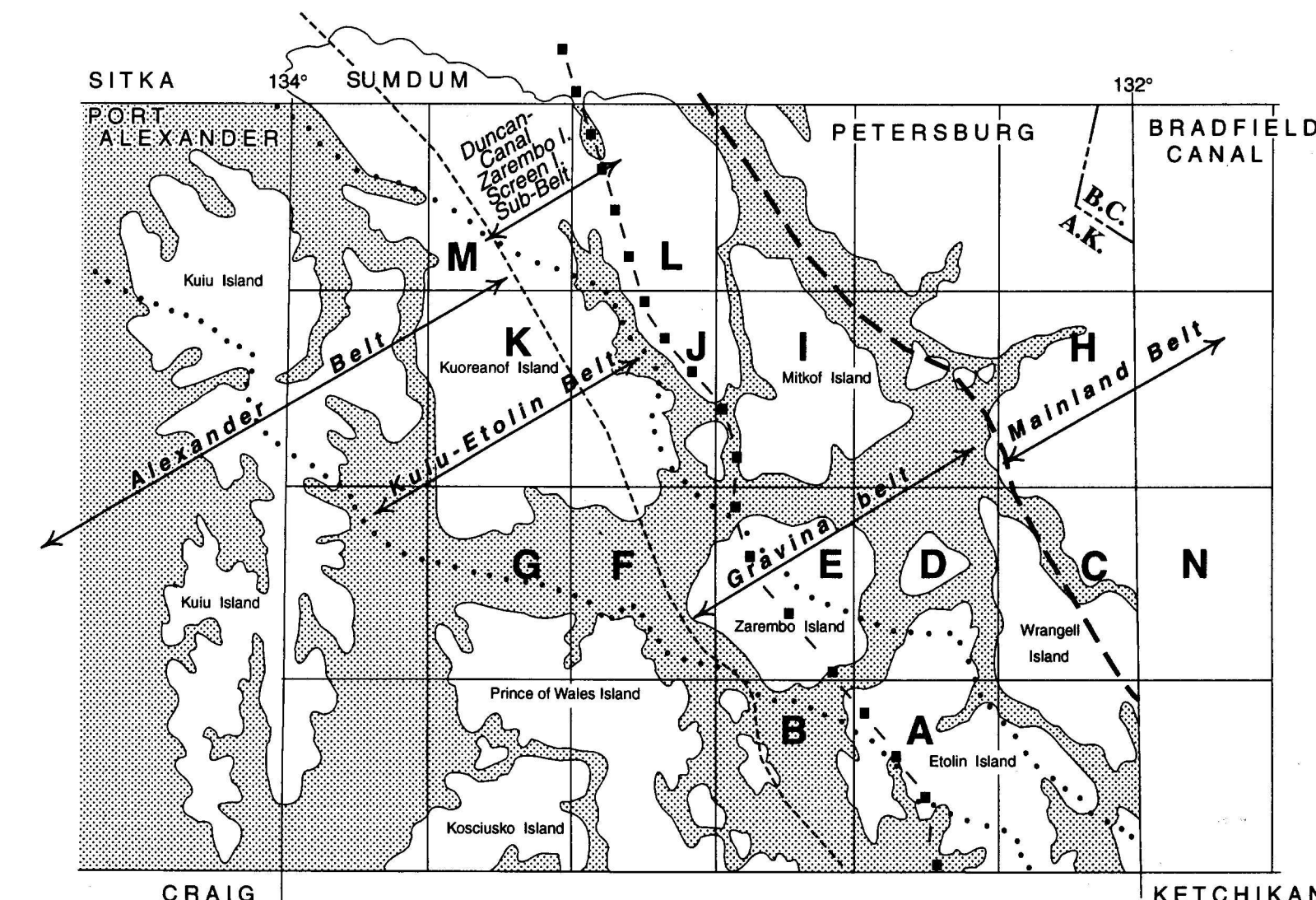
NOTES:
1. AGE OF EMPLACEMENT
2. AGE OF METAMORPHISM

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
Ktcc Garnet-Biotite Tonalite and Minor Granodiorite
Kapp Biotite-Epidote-Hornblende Quartz Monzodiorite
Kqp Pyroxene-Biotite-Hornblende-Quartz Monzodiorite, Quartz Diorite, 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 Hornblende
- DUNCAN CANAL-ZAREMBO ISLAND-SCREEN ISLAND SUB-BELT OF THE GRAVINA BELT**
METAMORPHOSED STEPHENS PASSAGE GROUP AND OTHER ROCKS (Upper(?) Mesozoic)
Msv Semischist and Phyllite
Mv Greenschist and Greenstone Metamorphosed From Intermediate To Mafic Volcanic Rocks
Mr Schist and Semischist Metamorphosed From Felsic Volcanic Rocks
Msp 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.

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

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

By
David A. Brew
1997