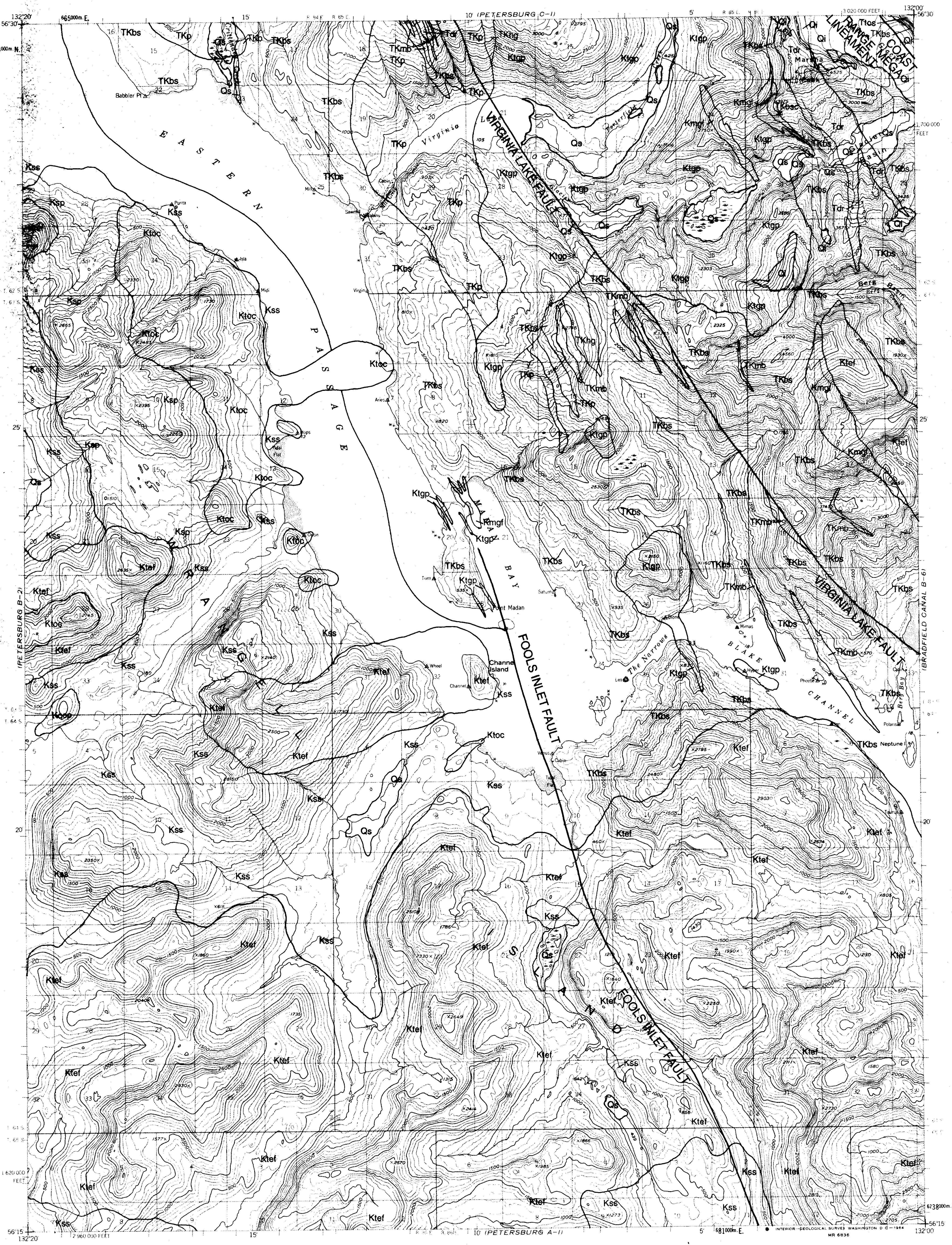
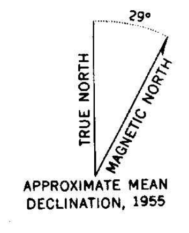
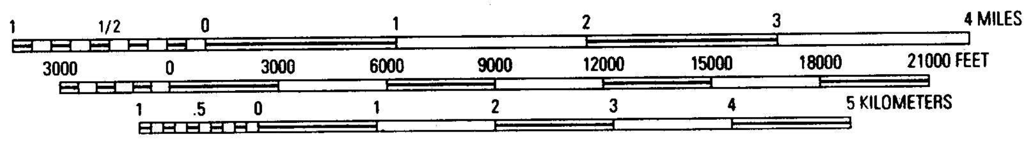
U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

OPEN-FILE REPORT
97-156 C
Pamphlet accompanies map
BREW, D.A., Reconnaissance Geologic Map of the
Petersburg B-1 Quadrangle, southeastern Alaska



Base from U.S.G.S 1:63,360
Topographic Map Series, 1955





CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET—DATUM IS MEAN LOWER LOW WATER
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 14 FEET

QUADRANGLE LOCATION

Geologic Mapping by:
D.A. Brew, P.D. Burrell, A.B. Ford, S.J. Hunt,
S.M. Karl, R.D. Koch, R.P. Morrell, K. Reading,
and R.A. Sonnevil; 1978-1982, 1992

RECONNAISSANCE GEOLOGIC MAP OF THE PETERSBURG B-1 QUADRANGLE, SOUTHEASTERN ALASKA

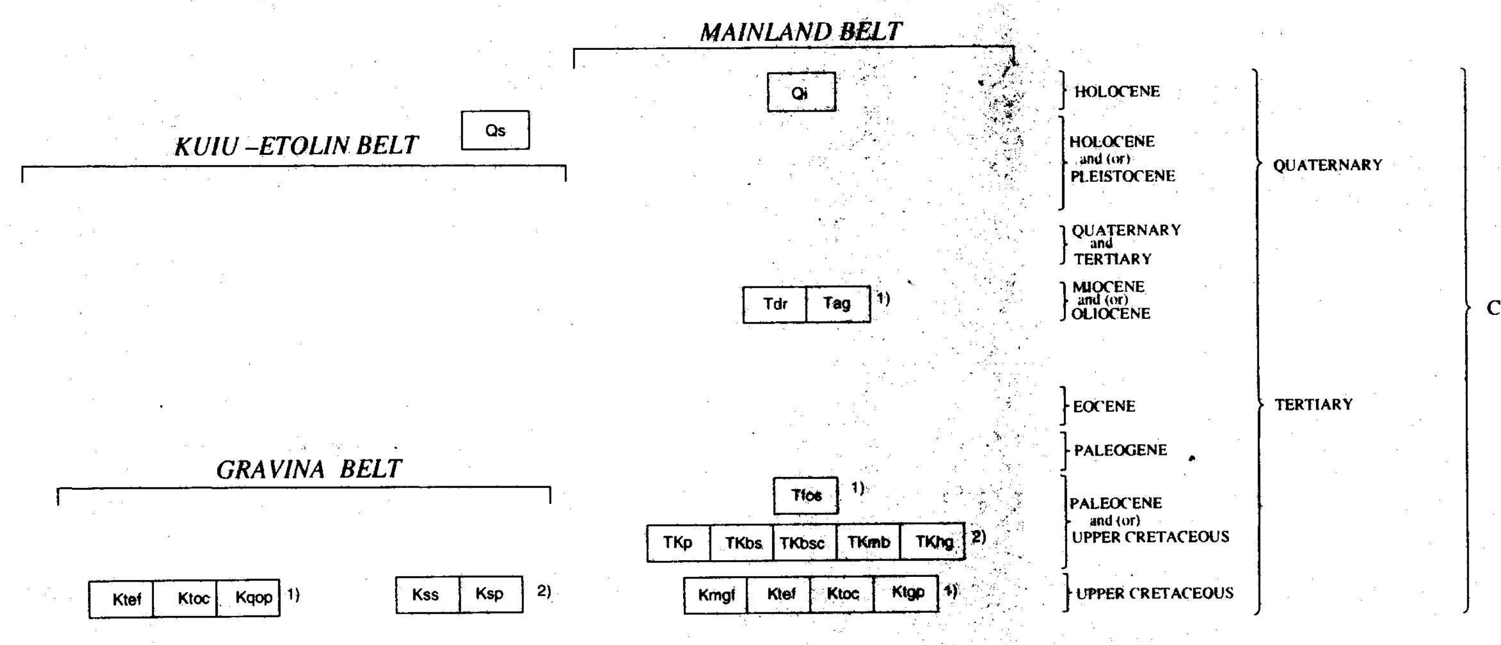
By

David A. Brew

1997

CORRELATION OF MAP UNITS IN THE PETERSBURG B-1 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 B-1 QUADRANGLE

Qs	SURFICIAL DEPOSITS (Holocene and(or) Pleistocene)--Alluvium, colluvium, tidal mudflat deposits, and some glaciofluvial deposits.

MAINLAND BELT

Qi	GLACIAL ICE AND PERMANENT SNOWFIELDS (Holocene)
	INTRUSIVE ROCKS OF BEHM CANAL PLUTONIC BELT (Miocene and(or) Oligocene)
Tdr	Rhyolite and Related Ro
	METAMORPHIC ROCKS OF COAST MOUNTAINS COMPLEX (Upper Cretaceous and(or) Paleocene)
TKp	Phyllite
TKbs	Biotite Schist
TKmb	Marble and Calc-Silicate Granofels
TKhg	Hornblende Gneiss

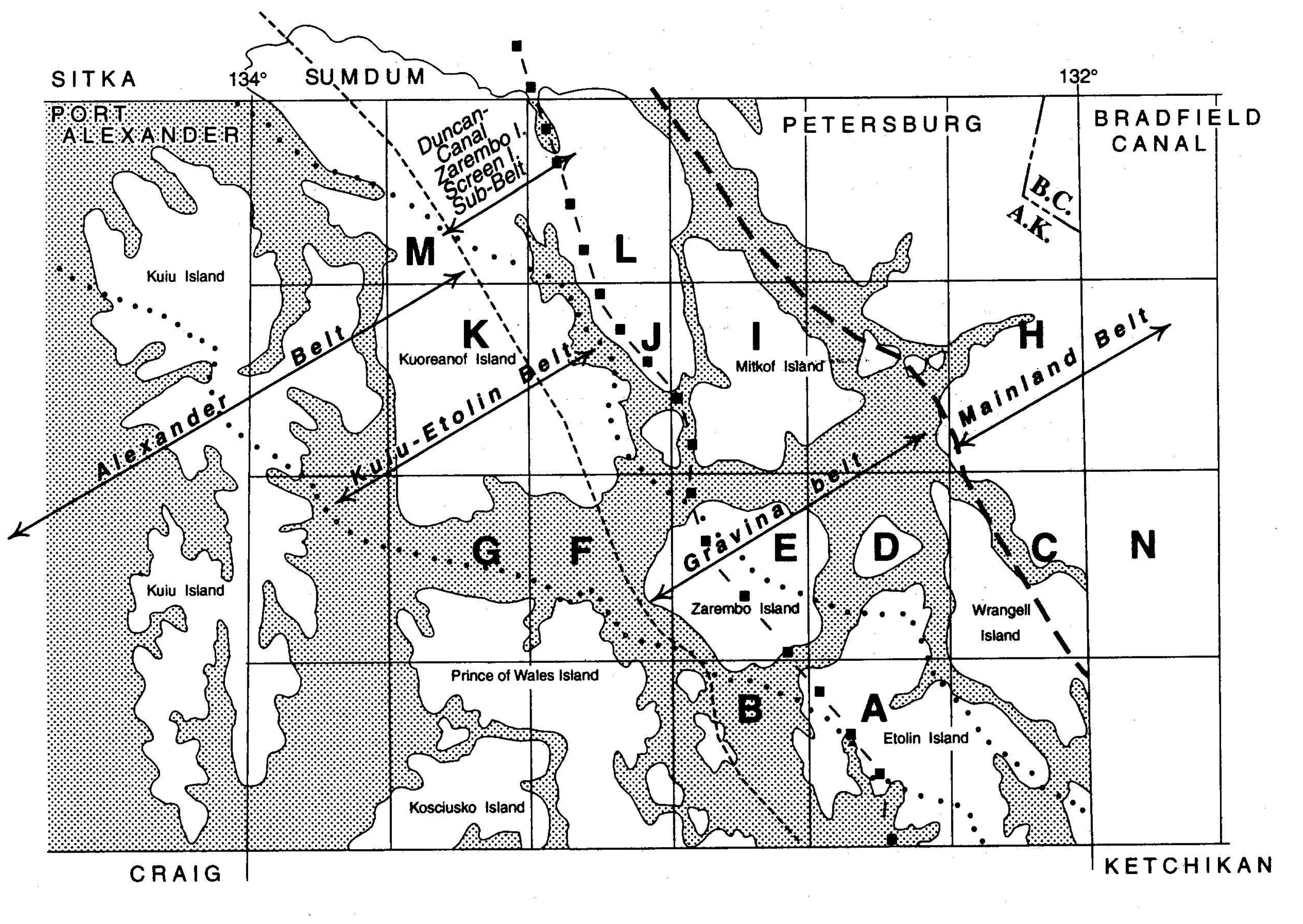
GRAVINA BELT

	INTRUSIVE ROCKS OF ADMIRALTY-REVILLAGIGEDO PLUTONIC BELT AND ASSOCIATED MIGMATITE (Upper Cretaceous)
Ktef	Hornblende-Biotite Tonalite and Granodiorite, Quartz Monzodiorite, and Quartz Diorite
Ktoc	Garnet-Biotite Tonalite and Minor Granodiorite
Kqop	Biotite-Epidote-Hornblende Quartz Monzodiorite
Ktgp	Biotite Tonalite, Quartz Diorite, and Granodiorite
Kmgf	Migmatite (Upper Cretaceous)
Tsh	HORNFELSED SEYMOUR CANAL FORMATION ROCKS (Tertiary or Cretaceous)
	METAMORPHOSED STEPHENS PASSAGE GROUP ROCKS (Upper Cretaceous)
Kss	Schist and Hornfels
Ksp	Phyllite

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.