



DESCRIPTION OF MAP UNITS

OLIGOCENE INTRUSIVE ROCKS

Toi Tonalite, quartz diorite, & diorite

PALEOCENE INTRUSIVE ROCKS

PI Tonalite, quartz diorite, & granodiorite

Pegmatite dike swarm

MIDDLE CRETACEOUS INTRUSIVE ROCKS

Ki Tonalite, granodiorite, diorite, & gabbro

Ku Kg Zoned ultramafic complexes / Gabbro

U. JURASSIC & L. CRETACEOUS GRAVINA SEQUENCE

Gu Metamorphosed argillite, siltstone, greywacke, conglomerate, & minor limestone

GI Metamorphosed tuff, greywacke, argillite, conglomerate, basalt-andesite tuff, breccia & pillow flows, & hypabyssal intrusive rocks

U. PALEOZOIC & L. MESOZOIC ALAVA SEQUENCE

ASvs Metamorphosed mafic pillow flows, tuff & breccia, argillite, marble, & quartzite

PALEOZOIC KAH SHAKES SEQUENCE

KSvs Devonian orthogneiss, lower Paleozoic quartz-bearing psammitic rocks, silicic metavolcanic rocks, amphibolite, metapelite, quartzite & marble

PALEOZOIC & L. MESOZOIC ALEXANDER TERRANE

Trsv Triassic conglomerate, siltstone, limestone, basalt, & rhyolite

Ds Devonian conglomerate, sandstone, siltstone, & marble

OSv Ordovician-Silurian basaltic andesite tuff, breccia, pillowed flows, & hypabyssal rocks

Si Silurian trondhjemite & local diorite

OSI Ordovician-Silurian tonalite, diorite, & gabbro

Cmi Cambrian & older (?) meta-igneous rocks

EAST BEHM CANAL GNEISS COMPLEX

EBg Lower Paleozoic, tonalite gneiss, diorite gneiss, amphibolite, & psammitic gneiss

- Strike & dip of bedding
- Strike & dip of foliation
- Strike & dip cross-cutting cleavage
- Trend & plunge of lineation
- Geologic contact  
(dashed where inferred & dotted where covered)
- Thrust Fault  
(dashed where inferred & dotted where covered)
- High Angle Fault  
(dashed where inferred & dotted where covered)

Sources of geologic map include: Cleveland Peninsula, Revillagigedo and adjacent islands, mapping by C.M. Rubin; northern Annette Island, Berg (1972), Gehrels et al. (1987), and mapping by C.M. Rubin; southern Annette Island, Berg (1972), Gehrels et al. (1987), southern and eastern portions of Gravina Island, Berg (1973), Gehrels et al. (1987), and mapping by C.M. Rubin; eastern Gravina Island (Berg, 1972) and mapping by C.M. Rubin; Portland Peninsula, Berg et al. (1988), mapping by C.M. Rubin and J.B. Saleeby.

5 0 5 KILOMETERS

SCALE 1:125,000  
CONTOUR INTERVAL 100 FEET  
DATUM IS MEAN SEALEVEL

**GEOLOGIC MAP OF CLEVELAND PENINSULA, REVILLAGIGEDO AND ADJACENT ISLANDS, SOUTHEASTERN ALASKA**

U-Pb ZIRCON SAMPLE LOCATIONS

1 - 84GR03	11 - 87CR100	21 - 88CR15
2 - 84GR04	12 - 87CR108	22 - 88CR24
3 - 84JR10	13 - 87CR111	23 - 88CR34
4 - 84JR18	14 - 87CR141	24 - 88CR35
5 - 84JR12	15 - 87CR143	25 - 88CR38
6 - 84JR28	16 - 87CR163	26 - 88CR40
7 - 86CR223	17 - 87CR164	27 - 88CR44
8 - 87CR55	18 - 88CR5	28 - 89CR4
9 - 87CR81	19 - 88CR12	29 - 89CR7
10 - 87CR82	20 - 88CR14	30 - 89CR24