

**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 Zoned ultramafic complexes / Gabbro  
 Kg

**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**

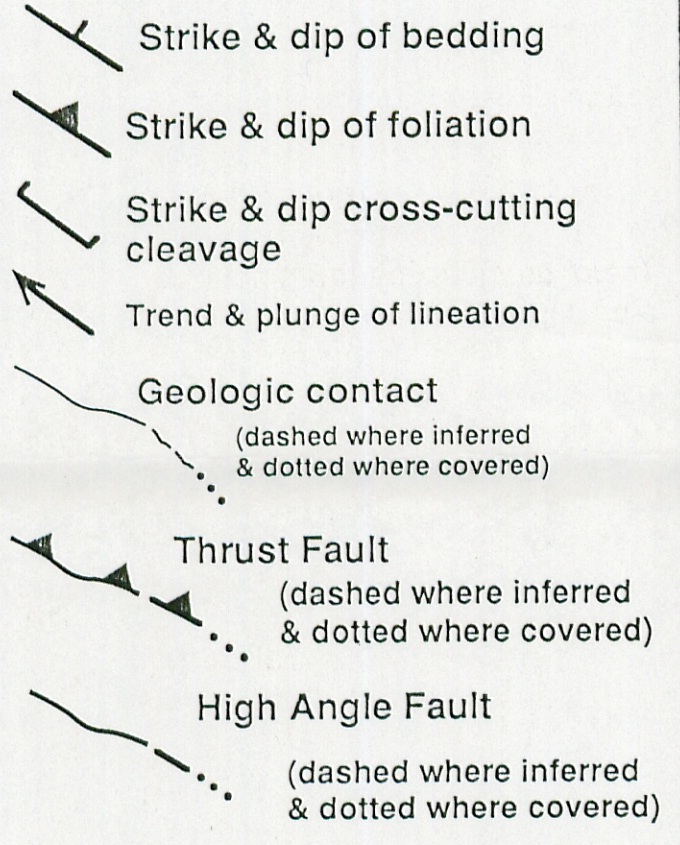
KSvs Devonian orthogneiss, lower Paleozoic quartz-bearing psammitic rocks, silicic metavolcanic rocks, amphibolite, metapelite, quartzite & marble

**PALEOZOIC & L. MESOZOIC ALEXANDER TERRANE**

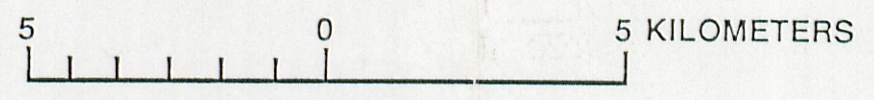
Trsv Triassic conglomerate, siltstone, limestone, basalt, & rhyolite  
 Ds Devonian conglomerate, sandstone, siltstone, & marble  
 OSv Ordovician-Silurian basaltic andesite tuff, breccia, pillowed flows, & hypabyssal rocks  
 Si Silurian trondhjemite & local diorite  
 OSi Ordovician-Silurian tonalite, diorite, & gabbro  
 Cmi Cambrian & older (?) meta-igneous rocks

**EAST BEHM CANAL GNEISS COMPLEX**

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



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.



SCALE 1:125,000  
 CONTOUR INTERVAL 200 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