

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

Gl 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, pillow flows, & hypabyssal rocks

Si Silurian trondhjemite & local diorite

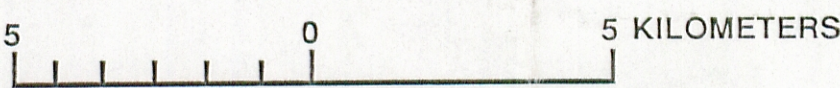
OSi Ordovician-Silurian tonalite, diorite, & gabbro

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)



SCALE 1:125,000
CONTOUR INTERVAL 200 FEET
DATUM IS MEAN SEALEVEL

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.

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

By
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