

REVILLAGIGEDO ISLAND

NOT MAPPED
(Heavily timbered; bedrock probably near
or at the surface in most places)

NOTE: The base was compiled from maps, charts, and aerial photographs of different scales and degrees of reliability. Therefore, distances between specific points may be somewhat in error.

GRAVINA ISLAND (NOT MAPPED)

Base compiled from maps by the City of Ketchikan, the State of Alaska Department of Highways, National Ocean Survey Chart 17450, 1974, and from aerial photographs.

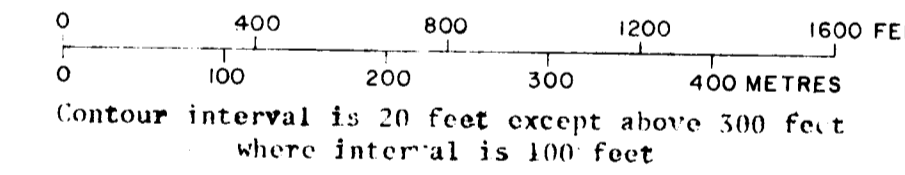


FIGURE 3.--RECONNAISSANCE GEOLOGIC MAP OF KETCHIKAN, ALASKA

By
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- EXPLANATION**
- t** MARSHY FILL--Larger fills along waterfront, which generally are 5 to 15 feet (1.5-4.6 m) thick, consist mostly of intermixed silt, sand, gravel, and crushed rock; riprap (broken rock) has been emplaced along outer edges of some fills. Other fills, used as pads for buildings and parking areas, generally are less than 10 feet (3 m) thick and may consist of sand, gravel, or crushed rock obtained on or near the site.
 - Qh** Modern beach deposits--Chiefly sand and gravel; some cobbles. Probably less than 10 feet (3 m) thick in most places. Gradational with fan-delta deposits (Qf).
 - Qf** Fan-delta deposits--Mostly sand, gravel, cobbles, and boulders. Generally less than 15 feet (4.6 m) thick.
 - Qa** Stream alluvium--Mostly sand, gravel, cobbles, and boulders. Probably less than 15 feet (4.6 m) thick in most places.
 - Qn** Elevated marine deposits--Chiefly sand and fine gravel. In northwestern half of map area, generally occurs as a thin veneer less than 5 feet (1.5 m) thick overlying undifferentiated drift (Qd) and in places may be absent. In the southeastern part of map area, thickness is not known.
 - Qd** Undifferentiated drift--Mostly till or other clastic material consisting generally of unstratified mixtures of clay, silt, and sand-size material; some gravel and cobble-size material. Probably less than 25 feet (7.5 m) thick in most places.

- bedrock (MESOZOIC)--Metamorphic rocks**
- box** Exposed bedrock--Some small outcrops not shown
- bc** Mostly concealed bedrock--Thinly covered or small scattered outcrops
- CONTACT--Long dashed where approximately located; short dashed where inferred or gradational
- SHARPER LIMIT OF MAPPING--Geologic units are shown on map down to approximately mean lower low water
- APPROXIMATE MEAN HIGHER HIGH WATER
- +** ROCK QUARRY
- STREETS OR ROADS--Dashed where platted but not built
- WHARVES AND DOCKS
- STREAMS--Queried where channel is obscure

U.S. Geological Survey
OPEN FILE REPORT
This map is preliminary and has not been edited or reviewed for conformity with Geological Survey standards or nomenclature.

Geology by R. W. Lemke in September 1965 and in July 1972