UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1058 PLATE 6

# GEOLOGIC MAP OF GEIKIE INLET AREA, GLACIER BAY, ALASKA

Base map by U. S. Geological Survey

Geology mapped by J. F. Seitz

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.
MR 3785

Scale 1:62,500

1 0 1 2 3 Miles

Contour interval 500 feet
*Datum is mean sea level*

## EXPLANATION

**Qs** — Surficial deposits
*Consist of talus and glacial deposits*
QUATERNARY

**gr** — Granodiorite

**ls / di** — Diorite
*Contains abundant inclusions of bedded rock, including limestone, ls, and grades in many places to hornblende-plagioclase rock*

**ls / s / h** — Metamorphosed shale and graywacke sequence
*Consists largely of granulite and hornfels and volcanic flow rock, s; includes distinctive red hornfels, h, and some intercalated limestone beds, ls*
MESOZOIC(?)

**ag** — Argillite and graywacke
UPPER PALEOZOIC(?)

**lh / do** — Limestone sequence
*Intercalated in part with hornfels beds; includes masses of dolomite, do*
UPPER PALEOZOIC(?)

**Upper Silurian(?)** — **Sc** — Conglomerate
SILURIAN(?)

**Upper Silurian** — **Sw** — Willoughby limestone
*Thick-bedded to massive gray limestone, partly crystalline*
SILURIAN

Hornblende-plagioclase rock
*A medium- to coarse-grained, irregular-textured metamorphic rock derived largely from granulite; forms poorly defined masses in granulite and diorite country rock*

Sedimentary inclusions in diorite
*Represents many small masses of granulite, hornfels, and limestone*

Sharp contact

Inferred contact and boundaries of surficial deposits

Gradational contact

Glacier boundaries

Vertical fault — High angle fault
U, *upthrown side*; D, *downthrown side*

Syncline, showing direction of plunge

Strike and dip of beds
*Dashed where inferred*

Strike of vertical beds

Horizontal beds

Generalized strike and dip of crenulated beds

Strike and dip of foliation
*Dashed where inferred*

Strike of vertical foliation