



- EXPLANATION**
- BEDDED ROCKS**
- Quaternary: Unconsolidated sediments (Includes alluvium, glacial debris, and talus)
 - Cretaceous: Graywacke unit (Predominantly massive and shaly graywacke; includes graphitic phyllite, slate, chert, limestone, and greenstone)
 - Jurassic(?): Schist unit (Predominantly massive and schistose greenstone; includes graphitic schist, phyllite, chert, and limestone (ls))
 - Triassic(?): Marble unit (Succession north of Lisianski Inlet may be overthrust)
 - Triassic(?): Greenstone unit (Massive greenstone, in part amphibolite; includes amphibolite and limestone (ls))
 - Paleozoic(?): Marble-gneiss sequence (Includes amphibolite, micaceous schist, amphibolite horafels, and marble (m))
- IGNEOUS ROCKS**
- Quaternary: Basalt
 - Quaternary: Quartz diorite
 - Quaternary: Gabbro (g) including norite (n)
 - Jurassic or Cretaceous: Quartz diorite
 - Jurassic or Cretaceous: Amphibolite
 - Jurassic or Cretaceous: Diorite (d, foliated and metamorphosed. Locally cut by unfoliated and unmetamorphosed diorite, g)
 - Jurassic or Cretaceous: Gabbro
- STRUCTURAL FEATURES**
- Highly recrystallized rock (In general recrystallization sufficiently intense to obliterate original structures)
 - Migmatized rock
 - Partly assimilated rock (included in igneous rock)
 - Contact showing dip (Dashed where approximately located; dotted where concealed)
 - Indefinite contact (Includes gradational and inferred contacts and indefinite boundaries of surficial deposits)
 - Fault, showing dip (Dashed where inferred; dotted where concealed. Some features mapped as faults may be well-developed joints that do not displace contacts)
 - Axis of anticline
 - Strike and dip of beds
 - Strike of vertical beds
 - Strike and dip of beds (Inferred from aerial photographs)
 - Strike and dip of overturned beds
 - Strike and dip of foliation
 - Strike of vertical foliation
 - Strike and dip of foliation (Inferred from aerial photographs)
 - Strike and dip of joints
 - Strike of vertical joints
 - Strike and dip of joints (Inferred from aerial photographs)
 - Strike of vertical joints (Inferred from aerial photographs)
 - Portal of adit
 - Mine
 - Prospect

GEOLOGIC MAP OF THE NORTHWESTERN PART OF CHICHAGOF ISLAND AND YAKOBI ISLAND, ALASKA

SCALE 1:63 360

CONTOUR INTERVAL 100 FEET
DATUM IS MEAN SEA LEVEL
DEPTH CURVES IN FEET

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1960

Geology by D. L. Rossman, 1946-48, assisted by R. J. Newton, 1947
Some data in southern part of the mapped area compiled and revised from maps by J. C. Reed and R. R. Coats, and by W. T. Peckra, U. S. Geol. Survey Bull. 929 and 936-1. Geology of Yakobi Island compiled and revised from map by G. C. Kennedy, U. S. Geol. Survey Bull. 947-C, and from maps by J. C. Reed and J. V. N. Dor.