

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 west of Lisianski
Inlet may be overturned

Paleozoic

Greenstone unit
Massive greenstone, in part amygdaloidal;
includes amphibolite and
timestone (ts)

Quaternary

Basalt

Quartz diorite

Gabbro (g) including norite (n)

Quartz diorite

Amphibolite

Diorite

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

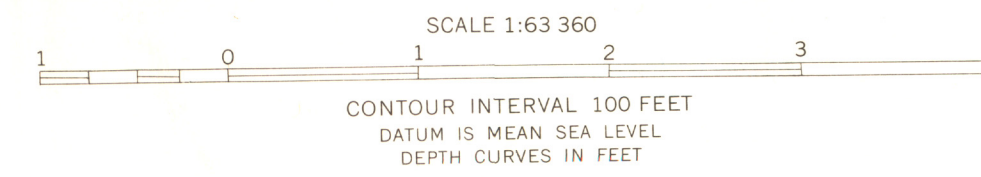
Portal of adit

Mine

Prospect

Approximate mean declination 1959

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



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. Peacor, 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. Dox...