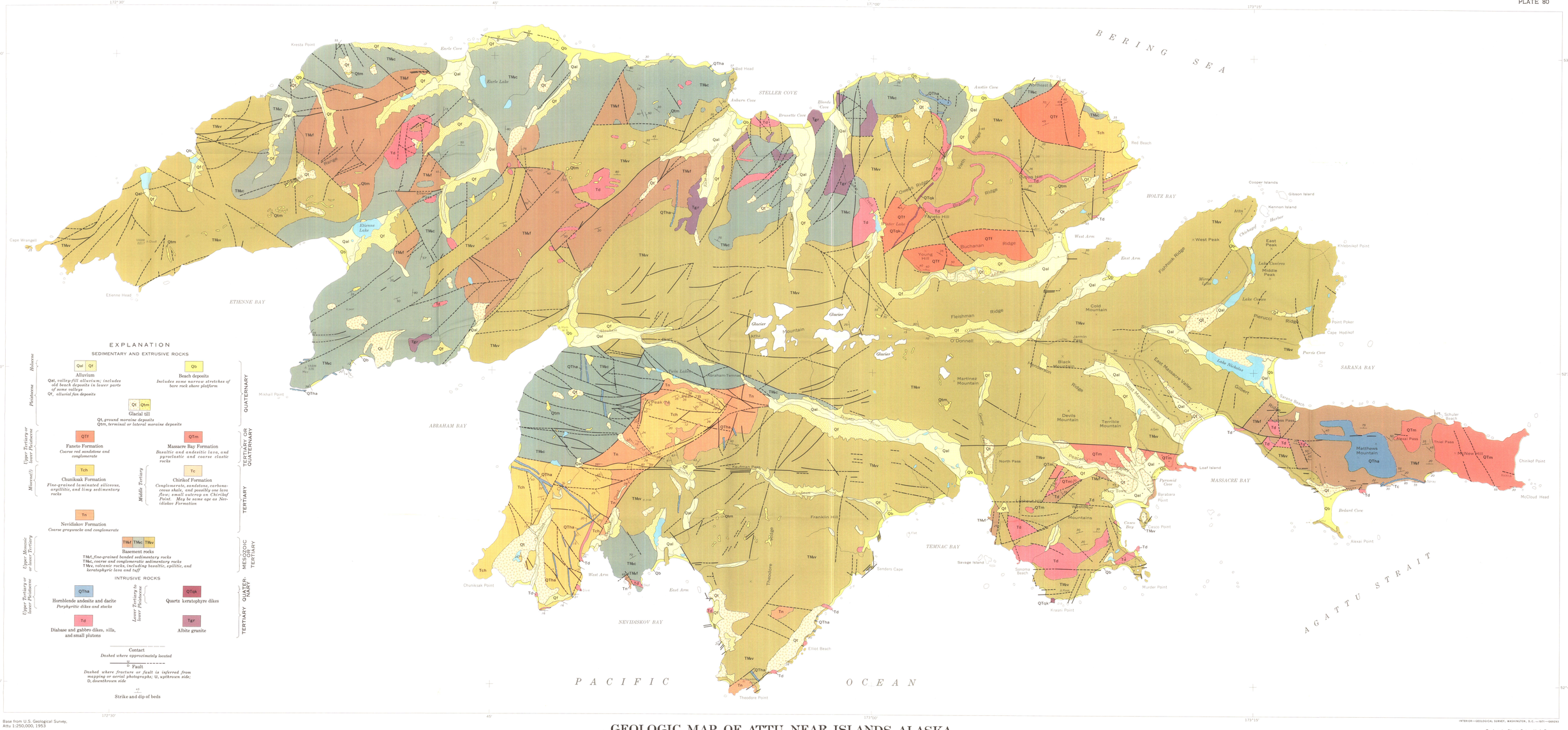
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE
DEPARTMENTS OF THE ARMY, NAVY, AND AIR FORCE

BULLETIN 1028–U
PLATE 80



EXPLANATION

SEDIMENTARY AND EXTRUSIVE ROCKS

QUATERNARY

Holocene

Qal, Qf — Alluvium
Qal, *valley-fill alluvium; includes old beach deposits in lower parts of some valleys*
Qf, *alluvial fan deposits*

Qb — Beach deposits
Includes some narrow stretches of bare rock shore platform

Pleistocene

Qt, Qtm — Glacial till
Qt, *ground moraine deposits*
Qtm, *terminal or lateral moraine deposits*

TERTIARY OR QUATERNARY

Upper Tertiary or lower Pleistocene

QTf — Faneto Formation
Coarse red sandstone and conglomerate

QTm — Massacre Bay Formation
Basaltic and andesitic lava, and pyroclastic and coarse clastic rocks

TERTIARY

Miocene(?)

Tch — Chuniksak Formation
Fine-grained laminated siliceous, argillitic, and limy sedimentary rocks

Middle Tertiary

Tc — Chirikof Formation
Conglomerate, sandstone, carbonaceous shale, and possibly one lava flow; small outcrop on Chirikof Point. May be same age as Nevidiskov Formation

Tn — Nevidiskov Formation
Coarse graywacke and conglomerate

MESOZOIC OR TERTIARY

Upper Mesozoic or lower Tertiary

TMf, TMc, TMv — Basement rocks
TMf, *fine-grained banded sedimentary rocks*
TMc, *coarse and conglomeratic sedimentary rocks*
TMv, *volcanic rocks, including basaltic, spilitic, and keratophyric lava and tuff*

INTRUSIVE ROCKS

QUATERNARY AND TERTIARY

Upper Tertiary or lower Pleistocene

QTha — Hornblende andesite and dacite
Porphyritic dikes and stocks

Lower Tertiary to lower Pleistocene

QTqk — Quartz keratophyre dikes

Td — Diabase and gabbro dikes, sills, and small plutons

Tgr — Albite granite

Contact
Dashed where approximately located

Fault
Dashed where fracture or fault is inferred from mapping or aerial photographs; U, upthrown side; D, downthrown side

Strike and dip of beds

Base from U.S. Geological Survey, Attu 1:250,000, 1953

GEOLOGIC MAP OF ATTU, NEAR ISLANDS, ALASKA

SCALE 1:63 360

1 ½ 0 1 2 3 4 MILES

1 ½ 0 1 2 3 4 KILOMETERS

DATUM IS MEAN SEA LEVEL
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
1971 MAGNETIC DECLINATION VARIES FROM 2° TO 2°30' EAST

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Geology by Olcott Gates, H. A. Powers, R. E. Wilcox, J. P. Schafer, and F. M. Byers Jr., 1949–50