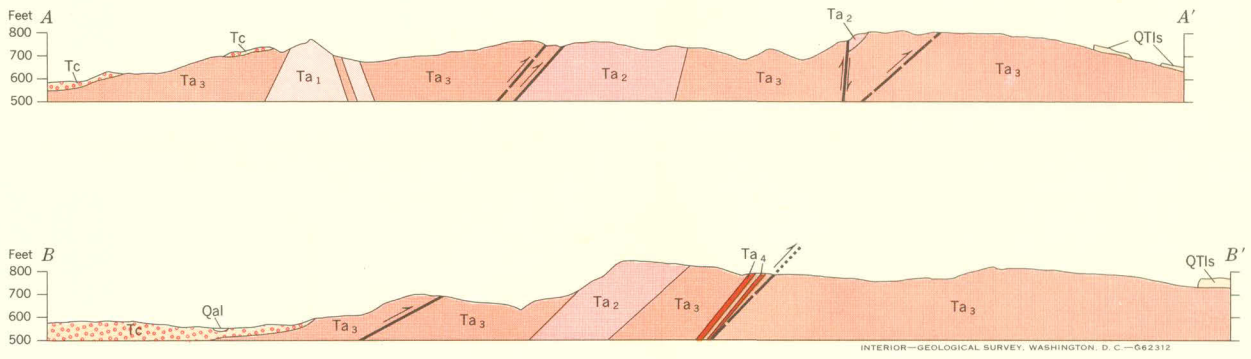
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PROFESSIONAL PAPER 403-A
PLATE 3

Geology and topography by S. O. Schlanger and H. G. May, 1952



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C.—662312

GEOLOGIC MAP AND SECTIONS OF MOUNT SANTA ROSA AREA GUAM, MARIANA ISLANDS

SCALE 1:10 000

500 0 500 1000 1500 2000 2500 3000 FEET

500 0 500 METERS

CONTOUR INTERVAL 20 FEET
DATUM IS MEAN SEA LEVEL

EXPLANATION

Pleistocene and Recent — QUATERNARY

Qal
Alluvium

UNCONFORMITY

Miocene to Pleistocene — TERTIARY AND QUATERNARY

QTls
Limestone
Mariana, Barrigada, and Alifan limestones, undifferentiated

UNCONFORMITY

Miocene — TERTIARY

Tc
Conglomerate
Variegated poorly sorted deeply weathered boulder conglomerate. Thickness 2 to 40 feet

UNCONFORMITY

Eocene and Oligocene — Alutom Formation — TERTIARY

Ta1
Breccia
Variegated poorly sorted blocky breccia with few thin beds of tuffaceous sandstone. Thickness approximately 200 feet

Ta2 Ta2a
Pillow basalt
Pillow basalt, Ta2, black where fresh, generally red and deeply weathered. Thickness from 250 to 500 feet. Basal bed of black massive basalt, Ta2a, 50 feet thick

Ta3
Tuffaceous sandstone and shale
Alternating beds of brown tuffaceous sandstone and greenish-white tuffaceous shale with few beds of lapilli tuff. Thickness 2000 to 3000 feet

Ta4
Lapilli conglomerate
Dark-brown to black lapilli conglomerate. Aggregate thickness of 3 mapped beds is 90 feet

Ta5
Boulder conglomerate
Variegated deeply weathered boulder conglomerate. Individual beds range in thickness from 1 to 40 feet

45
Contact, showing dip
Dashed where approximately located

U D
Fault
Dashed where approximately located; dotted where concealed. U, upthrown side; D, downthrown side. Arrows show relative movement

T 53
Thrust fault
Dashed where approximately located. T, upper plate

30
Plunge of minor anticline

Plunge of minor syncline

Horizontal fold axis

40
Strike and dip of beds

C — C′
Stratigraphic section described in text