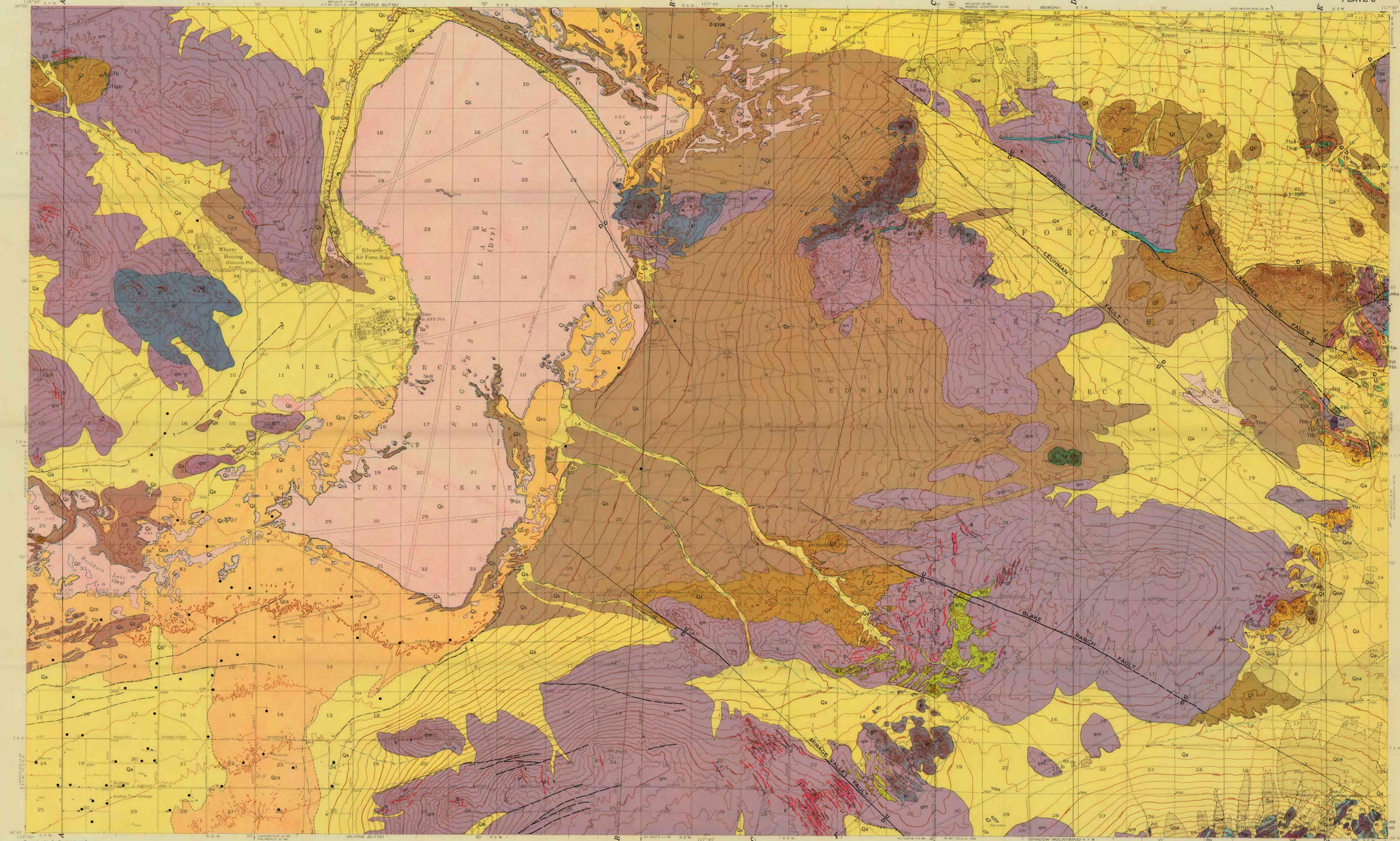
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BULLETIN 1089
PLATE 8



EXPLANATION

SEDIMENTARY AND VOLCANIC ROCKS

Alluvium — *Alluvial gravel and sand, Qa; playa clay, Qc; playa clay and windblown sand, Qcs; windblown sand, Qs; wave-deposited sandbars, Qsb*

UNCONFORMITY

Older alluvium — Qoa

UNCONFORMITY

Fanglomerate — Qf

UNCONFORMITY

Kramer Hills — Ttus, Ttuc, Ttug

Upper part — *Sandstone and clay shale,* Ttus; *chert,* Ttuc; *granitic breccia,* Ttug

Red Buttes quartz basalt — Ttrb

LOCAL UNCONFORMITY

Lower part — Ttll, Ttlc, Ttls

Clay shale, Ttlc; *limestone and dorydolomite, and shale,* Ttls; *sandstone,* Ttls; *rhyolitic tuff,* Ttl; *undifferentiated rocks,* Ttl, *shown in sections only*

UNCONFORMITY

Bissell Hills

Olivine basalt — Tb

Flows and sills(?) in Tropico group

Dacite — Tdv, Td

Dacite vitrophyre (flow or sill in Tropico group), Tdv; *dacite (intrusive plug forming Haystack Butte),* Td

Tropico group — Ttb, Ttgh

Bissell formation (limestone and dorydolomite), Ttb; *Gem Hill formation (rhyolitic tuff),* Ttgh

UNCONFORMITY

Miocene(?) to Pliocene(?) — Tropico group — TERTIARY

Recent — Pleistocene — QUATERNARY

DIKE ROCKS

Quartz latite — ql

CRETACEOUS OR TERTIARY

PLUTONIC ROCKS

Granite — gr, grp, p

Granite, gr; complex of granitic and pegmatite-aplite dikes, grp; dikes of pegmatite and aplite, p

Quartz monzonite — qm

Hornblende diorite — hd

JURASSIC TO CRETACEOUS(?)

METAMORPHIC ROCKS

Hornblende schist — mhs

Oro Grande(?) series of Hershey (1902) — ml, mls, ms, mq

Limestone and dolomite marble, ml; *Calc-silicate hornfels,* mls; *mica-quartz hornfels and schist,* ms; *quartzite,* mq

TRIAS-SIC(?)

CARBONIFEROUS?

60 — Contact, showing dip
Dashed where indefinite or gradational; dotted where concealed and inferred

60 U / D — Fault, showing dip
Dashed where indefinite; dotted where concealed and inferred; U, upthrown side, D, downthrown side

Fault, showing relative strike-slip movement

60 — Strike and dip of beds

30 — Strike and dip of overturned beds

20 — Strike of vertical beds

20 — Strike and dip of foliation

Strike of vertical foliation

30 — Strike and dip of flow laminae and fracture cleavage

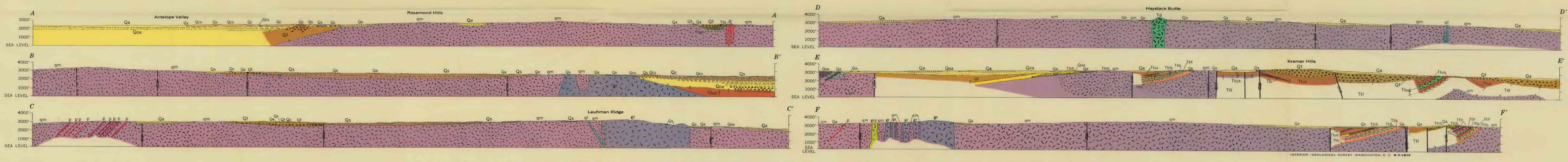
Late Pleistocene shorelines of Lake Thompson

Prospect

Water well

1-3500 — Test hole
Drilled for U. S. Geological Survey in 1954–57; depth in feet indicated

15° — APPROXIMATE MEAN DECLINATION, 1959 (TRUE NORTH, MAGNETIC NORTH)



GEOLOGIC MAP AND SECTIONS OF THE ROGERS LAKE AND KRAMER QUADRANGLES, CALIFORNIA

SCALE 1:62 500

1 ½ 0 1 2 3 4 5 MILES

CONTOUR INTERVAL 25 FEET
DATUM IS MEAN SEA LEVEL

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D. C. M R-2839