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U. S. GEOLOGICAL SURVEY
MENLO PARK
JUL 7 1969
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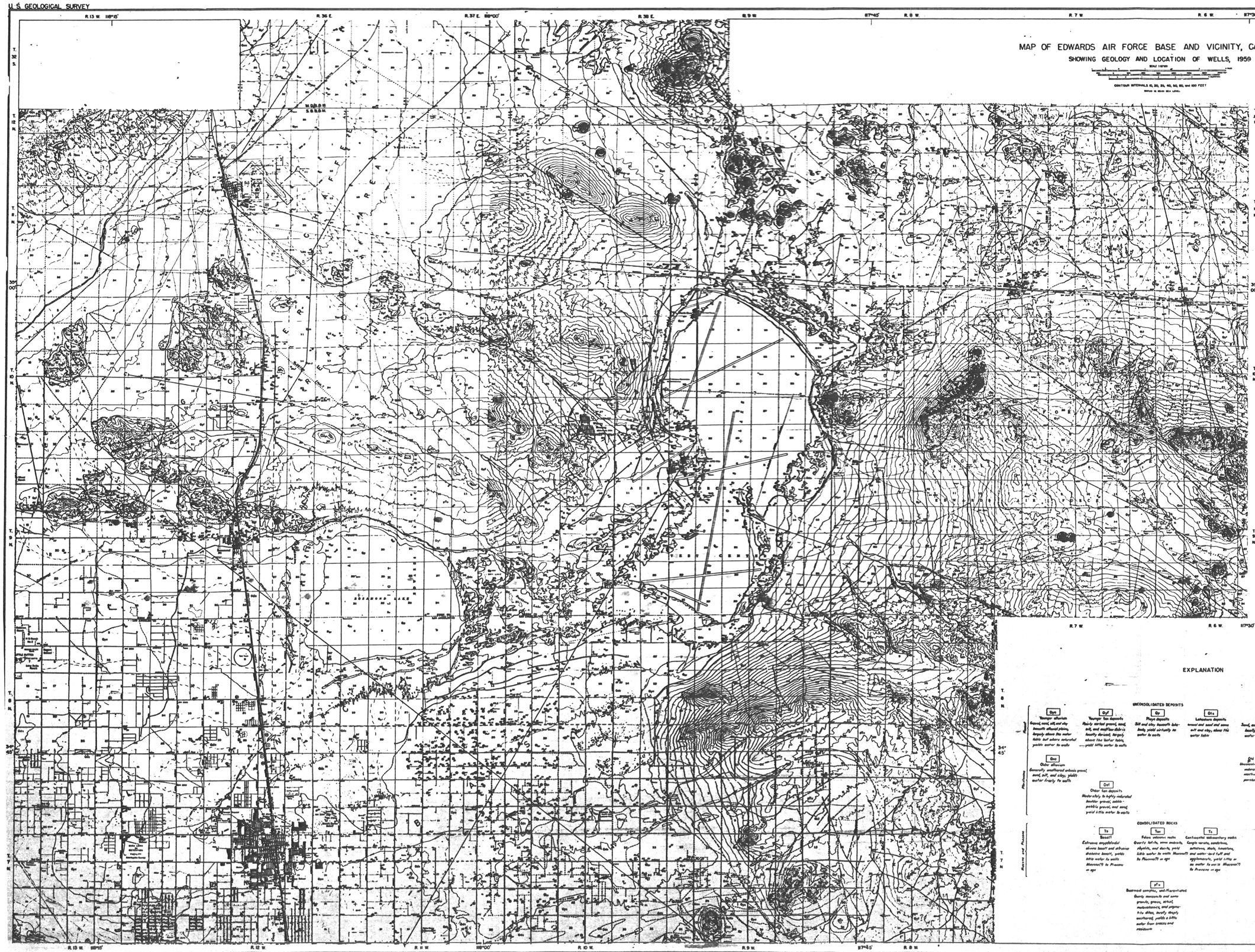
MAP OF EDWARDS AIR FORCE BASE AND VICINITY, CALIFORNIA

SHOWING GEOLOGY AND LOCATION OF WELLS, 1959

SCALE 1:62500

CONTOUR INTERVALS 10, 20, 25, 40, 50, 80, and 100 FEET
DATUM IS MEAN SEA LEVEL



EXPLANATION

UNCONSOLIDATED DEPOSITS

Recent

Qyc — *Younger alluvium*
Gravel, sand, silt, and clay beneath alluvial plains, largely above the water table but where saturated yields water in wells

Qyf — *Younger fan deposits*
Poorly sorted gravel, sand, silt, and mudflow debris locally derived, largely above the water table, yield little water to wells

Qp — *Playa deposits*
Silt and clay beneath lake-bed, yield certainly no water to wells

Qls — *Lakeshore deposits*
Gravel and sand and some silt and clay, above the water table

Qds — *Dune sand*
Sand, entirely air-flung, locally contains perched water

Pleistocene

Qoc — *Older alluvium*
Generally unaltered arkosic gravel, sand, silt, and clay, yields water freely to wells

Qof — *Older fan deposits*
Moderately to highly indurated boulder gravel, cobble-pebble gravel, and sand, yield little water to wells

Qrs — *Red wind-blown sand*
Unconsolidated to moderately indurated sand largely aeolian, locally contains perched water

QUATERNARY

CONSOLIDATED ROCKS

Miocene and Pliocene

Ts — *Basalt*
Extrusive amygdaloidal olivine basalt and intrusive diabase basalt, yields little water to wells Miocene(?) to Pliocene or age

Tsc — *Fossil volcanic rocks*
Quartz latite, some andesite, rhyolite, and dacite, yield little water to wells Miocene(?) to Pliocene or age

Ts — *Continental sedimentary rocks*
Conglomerate, sandstone, siltstone, shale, limestone, and water-laid tuff and agglomerate, yield little or no water to wells Miocene(?) to Pliocene or age

TERTIARY

pZ — *Basement complex, undifferentiated*
Quartz monzonite and some granite, gneiss, schist, metasediments, and pegmatite dikes, locally deeply weathered, yields a little water from cracks and residuum

PRE-TERTIARY

MAP SYMBOLS

Fault
Dashed where approximately located, dotted where concealed, queried where doubtful; U, upthrown side, D, downthrown side. Arrows indicate relative horizontal movement

Strike and dip of beds

Cut shoreline of ancestral lake

Successful, stock, or unused well

Public-supply, industrial, or irrigation well

Dry or destroyed well

Line of cross section

Letter next to well indicates position on section as shown below

D	C	B	A
E	F	G	H
M	L	K	J
N	P	Q	R

Letter Z indicates the well was plotted from an unverified location description

Base from U.S. Geological Survey topographic maps, scale 1:62,500, 1950

Geology and hydrology compiled by I. C. Bishop, 1960, largely after pathfinder and unpublished mapping by T. W. Dibblee, Jr., I. C. Bishop, and W. S. Blair, Jr.