GEOLOGICAL SURVEY—PREPARED IN COOPERATION WITH THE DEPARTMENT OF THE AIR FORCE

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EXPLANATION

UNCONSOLIDATED DEPOSITS

Recent

Qya — Younger alluvium
Gravel, sand, silt, and clay beneath alluvial plains; largely above the water table, but where saturated yields water to 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 lakebeds; yield almost no water to wells

Qls — Lakeshore deposits
Gravel and sand with some silt and clay; above the water table

Qds — Dune sand
Sand, actively drifting; locally contains perched water

Pleistocene

Qo — Older alluvium
Generally weathered 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

Qos — Old windblown sand
Unconsolidated to moderately indurated sand; largely inactive; locally contains perched water

QUATERNARY

CONSOLIDATED ROCKS

Miocene(?) and Pliocene

Tb — Basalt
Extrusive amygdaloidal olivine basalt and intrusive diabasic basalt; yields little water to wells

Tv — Volcanic rocks
Felsic rocks with some andesite and dacite; yield little water to wells

Tc — Continental sedimentary rocks
Conglomerate, sandstone, siltstone, shale, limestone, and water-laid tuff and agglomerate; yield little or no water to wells

TERTIARY

pTb — Basement complex
Undifferentiated quartz monzonite and some granite, gneiss, schist, metavolcanics, and pegmatite dikes; locally deeply weathered; yields a little water from cracks and residuum

PRE-TERTIARY

MAP SYMBOLS

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

Cut shoreline of ancestral lake

Boundary of base

C1
Domestic, stock, or unused well

L1(MB-1)
Public-supply, industrial, or irrigation well. Letters and numbers in parentheses are USAF supply-well numbers

Q2
Dry or destroyed well

Letter next to well indicates position in 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

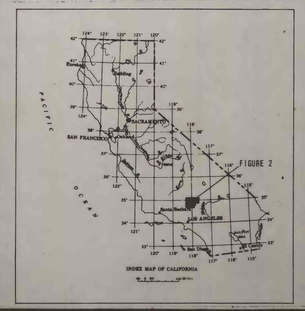
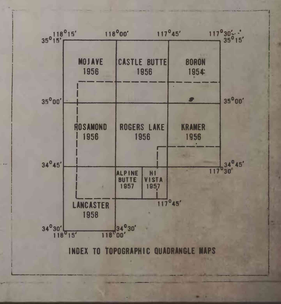


FIGURE 2



INDEX TO TOPOGRAPHIC QUADRANGLE MAPS

APPROXIMATE MEAN DECLINATION 1958

DATUM IS MEAN SEA LEVEL

MAP OF EDWARDS AIR FORCE BASE AND VICINITY, CALIFORNIA

SHOWING GEOLOGY AND LOCATION OF WELLS

Base from U.S. Geological Survey topographic maps

Geology compiled by L.C. Dutcher, 1960, largely after published and unpublished mapping by T.W. Dibblee, Jr., L.C. Dutcher, and W.R. Hoyle, Jr.