U. S. GEOLOGICAL SURVEY

MAP OF EDWARDS AIR FORCE BASE AND VICINITY, CALIFORNIA

SHOWING GEOLOGY, LOCATION OF WELLS, GROUND-WATER STORAGE UNITS AND WATER-LEVEL CONTOURS FOR MARCH 1963

SCALE 1:62500

CONTOUR INTERVALS 10, 20, 25, 40, 50, 80, and 100 FEET

DATUM IS MEAN SEA LEVEL

NORTH MUROC STORAGE UNIT

EAST CAMP STORAGE UNIT

MAIN BASE STORAGE UNIT

ROSAMOND STORAGE UNIT

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

Domestic, stock, or unused well

Public-supply, industrial, or irrigation well

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

2250 — Water-level contour, dashed where control is poor. Arrows and hachures indicate direction of ground-water movement. Number indicates altitude of water surface above mean sea level. Contour interval 10 feet.

Border of ground-water storage unit

EXPLANATION

UNCONSOLIDATED DEPOSITS

Qya	Qyf	Qp	Qls	Qds
Younger alluvium *Gravel, sand, silt, and clay beneath alluvial plains; largely above the water table but where saturated yields water to wells*	Younger fan deposits *Poorly sorted gravel, sand, silt, and mudflow debris locally derived, largely above the water table; yield little water to wells*	Playa deposits *Silt and clay beneath lakebeds; yield virtually no water to wells*	Lakeshore deposits *Gravel and sand and some silt and clay; above the water table*	Dune sand *Sand, actively drifting; locally contains perched water*

Recent

Qoa	Qof	Qos
Older alluvium *Generally weathered arkosic gravel, sand, silt, and clay; yields water freely to wells*	Older fan deposits *Moderately to highly indurated boulder gravel, cobble-pebble gravel, and sand; yield little water to wells*	Old windblown sand *Unconsolidated to moderately indurated sand; largely inactive, locally contains perched water*

Pleistocene — QUATERNARY

CONSOLIDATED ROCKS

Tb	Tav	Tc
Basalt *Extrusive amygdaloidal olivine basalt and intrusive diabasic basalt; yields little water to wells. Miocene(?) to Pliocene in age*	Felsic volcanic rocks *Quartz latite, some andesite, rhyolite, and dacite; yield little water to wells. Miocene(?) to Pliocene(?) in age*	Continental sedimentary rocks *Conglomerate, sandstone, siltstone, shale, limestone, and water-laid tuff and agglomerate; yield little or no water to wells. Miocene(?) to Pliocene in age*

Miocene and Pliocene — TERTIARY

pTu

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

LOCATION MAP

Figure

STATE OF CALIFORNIA

Base from U.S. Geological Survey topographic maps, scale 1:62,500, 1960

Geology compiled by L. C. Dutcher, 1960, largely after published and unpublished mapping by T. W. Dibblee, Jr., L. C. Dutcher, and W. R. Moyle, Jr. Water-level contours by J. E. [illegible]