SANTA PAULA MAP (DF-41)

LEGEND

Qg | Qf | Qa

SURFICIAL SEDIMENTS
Unconsolidated alluvial deposits, generally undissected
Qg *gravel and sand of major stream channels*
Qa *alluvial fan boulder-cobble gravel*
Qf *alluvium: silt, sand and gravel of valley and floodplain areas*

Qls

LANDSLIDE AND TALUS DEBRIS

Qoa
Qog

OLDER SURFICIAL SEDIMENTS
Dissected remnants of weakly consolidated, brown alluvial gravel, sand and silt
Qoa *youngest, lowest gravel terraces*
Qog *higher gravel of dissected alluvial fan*

— *UNCONFORMITY* —

QTs

SAUGUS FORMATION
Nonmarine fluviatile; early(?) Pleistocene age
QTs *weakly consolidated brown pebble-cobble-boulder conglomerate in northern exposures, mostly pebble conglomerate in southern exposures, and lesser amounts of light brown sandstone, greenish to reddish gray claystone, and some paleosoils; in northern exposures detritus mostly of sandstone, and lesser amounts of siliceous shale, granitic detritus mostly of granitic, metavolcanic and quartzitic detritus, in sandy matrix*

QTlp

LAS POSAS SAND
(of Pressler 1929; included in Saugus Formation by Kew 1924, Weber et al. 1973, Jakes 1929; similar to and probably in part equivalent to Santa Barbara Formation in that area, and to San Pedro Formation of San Pedro area)
Marine regressive; latest Pliocene(?) to early Pleistocene age
QTlp *weakly indurated soft tan to light brown friable fine to medium grained sand and sandy silt commonly with shell fragments; locally includes pebbly sand; in South Mountain in part grades laterally eastward into* **QTs**; *type locality at southwest end of South Mountain (projected Sections 5 and 6, T2N, R21W)*

QTpm | Tp

PICO FORMATION
Marine clastic; Pliocene and Pleistocene ages
QTpm *Mudpit Claystone Member: massive to vaguely bedded, soft, crumbly gray claystone or mudstone, bluish gray where unweathered; locally includes few thin lenses of sandstone; early Pleistocene and possibly late Pliocene age*
Tp *Pico Formation: vaguely bedded gray claystone and siltstone, soft, crumbly; bluish gray where unweathered; includes strata of tan, semi-friable, bedded sandstone; mostly Pliocene age; in South Mountain area includes bed 3 to 6 inches (8 to 16cm) thick of coherent white tuff (Bailey Tuff of Yeats 1987); some of* **Tp** *in South Mountain area may be of Pleistocene age and correlative with Mudpit Claystone Member (***QTpm***) of area northwest of Santa Paula; unconformity at base in South Mountain area*

Tm

MONTEREY SHALE
(Modelo Formation of Kew 1924; Yeats 1967, 1987)
marine biogenic; primarily middle and late Miocene age
(Luisian and Mohnian Stages)
Tm *white-weathering, soft, fissle to punky thin bedded shale and interbeds of hard siliceous shale; includes thin limestone strata in lower part*

Tcva

CONEJO VOLCANICS
Probably extrusive volcanic rocks; middle (?) Miocene age
Tcva *dark gray to black, dense felsitic andesite-basalt; hard but much fractured or brecciated with brown iron-stained fractures; rock weathers dark gray to brown*

Tts

TOPANGA SANDSTONE
(Vaqueros Formation of Yeats 1987)
marine transgressive clastic; early and middle Miocene age
Tts *light gray to tan vaguely bedded semi-friable sandstone; minor interbedded gray siltstone locally*

Tsp

SESPE FORMATION
Nonmarine fluviatile; mostly Oligocene age
Tsp *variegated red, pink, and greenish claystone and interbedded pink, light gray and tan semi-friable sandstone; minor pebbly sandstone locally; base not exposed*

Holocene | ? | Pleistocene | QUATERNARY | CENOZOIC

? ? | Pliocene | ? ? | Miocene | TERTIARY