



GEOLOGY OF THE NORTH PART OF THE
SOLEDAD BASIN, LOS ANGELES COUNTY, CALIFORNIA

EXPLANATION	
Qai	gr
Aluvium	Undifferentiated quartz-bearing igneous rocks (includes minor units of gneiss and schist)
Qs	Landslide materials
Qt	Quartz diorite
Ts	Terrace deposits
ps	Saugus formation (sands and gravels, gray to brown, terrestrial)
Ta	Anaverde formation (conglomeratic arkose and shale, terrestrial)
Tm	Granodiorite (includes quartz diorite, quartz monzonite and minor dike rocks)
an	Quartz syenite
gr	Diorite (includes minor units of granite)
an	Aporosite (includes minor amounts of diorite)
Tm	Gneissic complex (gn, biotite schists injected by granite and diorite; gm, zone of mafic gneiss)
ps	Pelona schist (ps, muscovite schist, chlorite-muscovite schist and actinolite-schist, undifferentiated; ps, unit of interbedded limestone and quartzeite; psq, quartzeite unit)
Tv	Vasquez series (Tv, conglomerate, breccia and arkose, undifferentiated, gray to pink, terrestrial; Tva, conglomerate, close composed of anorthosite and related rocks; Tvv, andesite and basalt flows and shallow intrusive sheets)
Tmsh	Martinez formation (Tmz, sandstone, shale and conglomerate, undifferentiated, marine; Tmsh, shale; Timsz, sandstone; Timzcg, conglomerate)
ps	NOTE: AN UNCONFORMITY IS PRESENT BETWEEN EACH PAIR OF GEOLOGIC UNITS.
ps	Geologic contact, dashed where approximate, queried where inferred, dotted where buried
ps	Fault, showing dip, dashed where approximate, dotted where buried; arrow shows trend and plunge of slickensides
ps	Strike and dip of bedding
ps	Strike and dip of foliation, showing trend and plunge of lineation
ps	Axis of anticline, showing direction of plunge
ps	Axis of syncline, showing direction of plunge
ps	Direction of plunge of minor folds