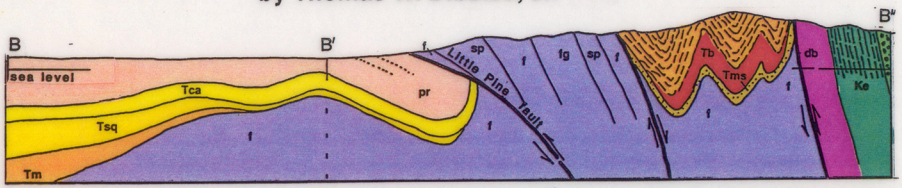
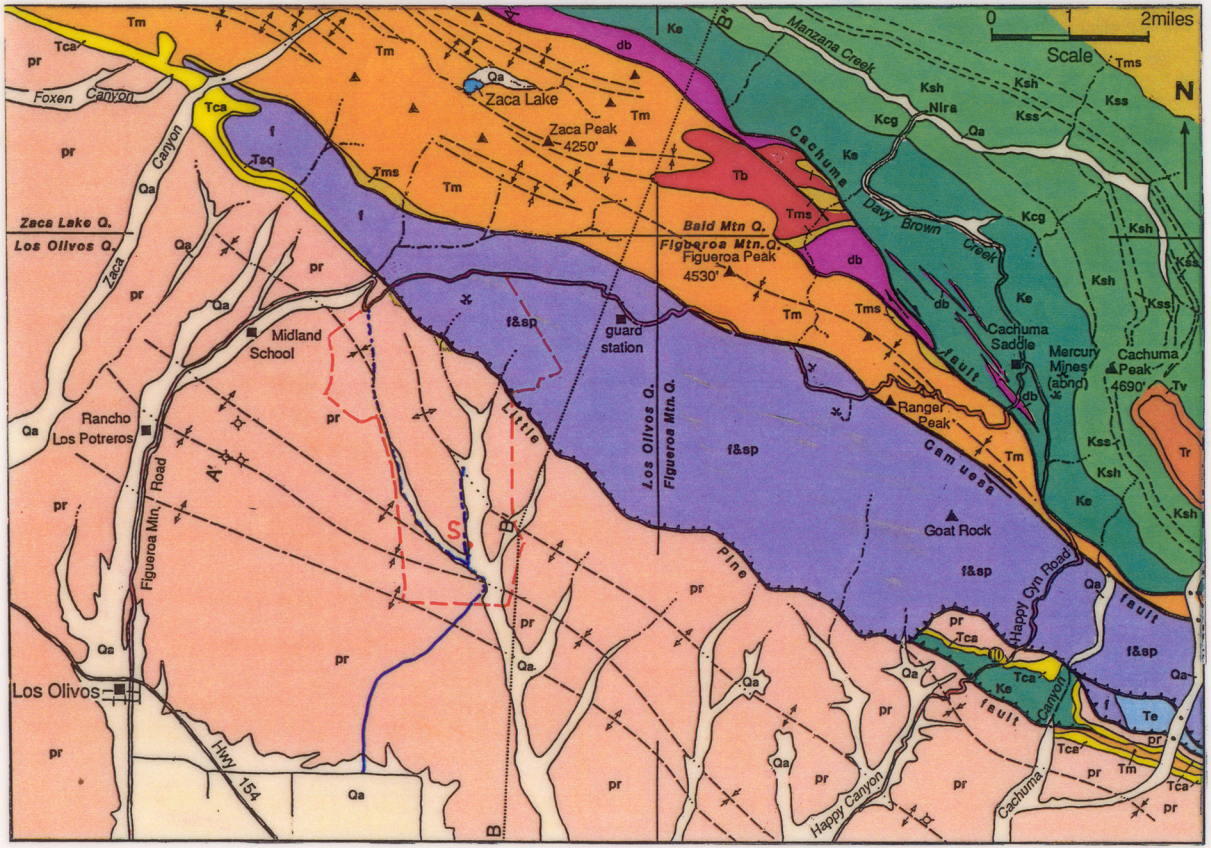
Simplified geologic map of the Figueroa Mountain area, including the Sedgwick Ranch

by Thomas W. Dibblee, Jr.





Color and Formation Symbols/Ages

Qa - Valley alluvium
Recent age; older terraces and landslides not shown

pr - Paso Robles Formation
mostly Pleistocene, <2 my; nonmarine; mostly alluvial debris, derived from older formations

Tca - Careaga Sandstone
Pliocene,<5my; yellow, marine; fossiliferous

Tsq - Sisquoc Shale
late Miocene, <10 my; diatomaceous shale

Tm - Monterey Shale mid-Miocene; <16 my, white-weathering, platy siliceous shale

Tb - Miocene volcanics (basalt)
gray-black, massive; flows, breccias and tuffs

Tms - Sandstone of Hurricane Deck
tan, massive strata; exposed mostly north of area

(Tr,Tv - Rincon & Vaqueros Fms.)
early Miocene,<25my; gray sandstone,shale

Te - Juncal Shale (Eocene)
< 55my, gray micaceous shale and sandstone

Kss/Ksh/Kcg - Cachuma Fm.
late Cretaceous age; <90my
ss= sandstone; hard, light gray, thick-bedded
sh= shale; gray, micaceous clay shale
cg= cobble conglomerate, dark brown

Ke - Espada Shale
latest Jurassic?-early Cretaceous, <140my; dark olive-gray shale, thin beds of tan sandstone

f-sp db f- Franciscan rocks /serpentinite
Jurassic; jumbled mixtures and sheared masses of diverse igneous and sedimentary rocks, including
db = black diabase, adjacent to f, and intruded into Ke
sp = serpentinite (green,altered peridotite or diabase)
fs = graywacke (dark gray, muddy sandstone, shale)
fg = greenstone (metamorphosed basaltic rocks);
also includes pods of rusty red to green, bedded chert, and dark blue-gray glaucophane blueschist

Other Map Symbols

Fault showing lateral movement
Thrust fault, teeth on upper part
Anticline axis (upward folding)
Syncline axis (downward folding)
Contact between formations
Contact between formation units
Abandoned mine, quarry, prospect
Abandoned exploratory oil well
Sedgwick Ranch boundary
..... Line of cross-section B...B'...B"

Rocks underlined are present on the Sedgwick Ranch