

LEGEND

SEDIMENTARY AND METAMORPHIC ROCKS

- Recent**
 - Qal Alluvium
- Pleistocene**
 - Qf Funglomerate and terrace deposits
 - Qfs Older funglomerate (sandstone, siltstone and tuff, possibly of Miocene age)
- Lower Pleistocene or older**
 - Imz Martinez formation (marine fossiliferous limestone and sandstone; continental clay shales, sandstones and lignitic coal)
- Eocene**
 - Kc Chico formation (conglomerate and sandstone)
- Upper Cretaceous**
 - Rea Santa Ana formation (shales, slates and phyllites; sandstones and quartzites, conglomerate and limestone lenses; including some metamorphic rocks of undetermined age and origin)
- Upper (?) Tertiary**
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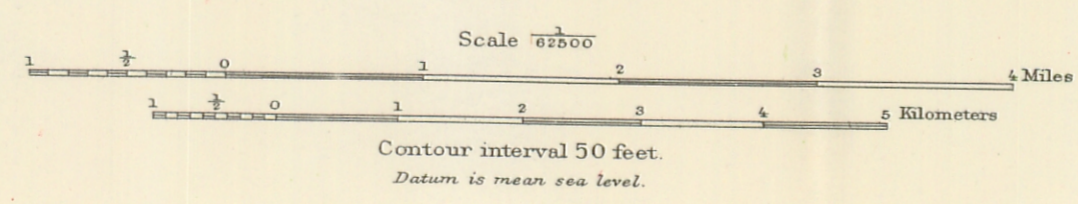
IGNEOUS ROCKS

- Pleistocene**
 - Qb Basalt
 - Kap Aplite and pegmatite (including some basic dikes intruding the quartz diorite and the granodiorite)
- Cretaceous**
 - Hqm Quartz monzonite
 - Kgd Granodiorite
 - Kad Quartz diorite
 - Jda Dacite porphyry
 - Jan Andesite
 - Jql Quartz latite porphyry
 - Jdg Diorite and gabbro
- Jurassic (?)**
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SYMBOLS

- Known position
- - - Approximate position
- Alluvial
- Faults
- Known position
- - - Approximate position
- Concealed by alluvium
- Showing dip
- U D Relative movement
- 45 Dip and strike of bed
- ⊥ Vertical bed
- ⊗ Overturned bed

GEOLOGIC MAP OF THE
LAKE ELSINORE QUADRANGLE
By René Engel



San Juan (Capistrano) 117°30' R. 6 W. 33°30'

Base adapted from topographic quadrangles.
Published by U. S. Geological Survey, and U. S. Army Corps of Engineers.

Geology surveyed in 1947