



**Geological Legend**

**Quaternary**

- Qr, man made rock fill
- Qa, alluvium, (gravel, sand & clay)
- Qls, landslide debris

**UNCONFORMITY**

**Qoa**

Older alluvium

**UNCONFORMITY**

**Qsc**

Santa Clara Formation (non-marine, gravel, sand and clay)

**UNCONFORMITY**

**rh**

Alum Rock Rhyolite of Crittenden, 1951

**Tor** **Tb**

Orinda Formation non-marine conglomerate sandstone, red siltstone Tb-base

**Tbr**

Briores Sandstone (marine sandstone and siltstone, upper Miocene)

**Tm**

Monterey Shale Claremont Shale Member (siliceous shale, mid. Miocene)

**T1**

Tembler Sandstone (marine middle Miocene)

**UNCONFORMITY**

**Ksh** **Kss** **Kcg**

Marine sedimentary rocks Ksh and Kss, Berryessa Form. of Crittenden, 1951  
Ksh, micaceous shale  
Kss, sandstone  
Kcg, Oakland Conglomerate of Crittenden, 1951

**sp** **sc**

Serpentine sc, silica-carbonate rock

**fs** **fc** **gl** **fg**

Franciscan rocks fs, undiff. sandstone, (graywacke and micac. shale)  
fc, chert  
gl, glaucophane blue schist  
fg, mixed rocks, mostly micaeous shale or siltstone, pervasively sheared; contains fragments mostly of graywacke sandstone

**Contact**  
(dashed where gradational or approximately located)

**Fault**  
(dashed where inferred; dotted where concealed)  
U-upthrown block, D-downthrown block, relatively single arrow indicates observed dip of fault; double parallel arrows indicate probable lateral movement)

**Exposed sandstone bed**

inclined vertical

50 70  
inclined overturned

**Strike and dip of bedding**

anticline syncline

Axis of fold (end arrow indicates direction of plunge)

**m**

molluscan

**Fossil locality**

**Quarry**

PRELIMINARY GEOLOGIC MAP OF THE CALAVERAS RESERVOIR QUADRANGLE, ALAMEDA AND SANTA CLARA COUNTIES, CALIFORNIA

By Thomas W. Dibblee Jr., 1973

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.

Geology of area east of Calaveras Reservoir after Crittenden, Max D., 1951, Geology of the San Jose-Mt. Hamilton area, California; Calif. Div. Mines Bull. 157 (modified).  
Cotton, W.R., 1972, U.S. Geol. Survey Misc. field studies map MF-343 (Franciscan rocks) (modified).  
For landslides mapped from aerial photographs see Nilsen, T.H., 1972, U.S.G.S. Misc. Field Studies Map MF-310.  
Some data near Calaveras Dam from E.A. Danehy (written commun., 1972).