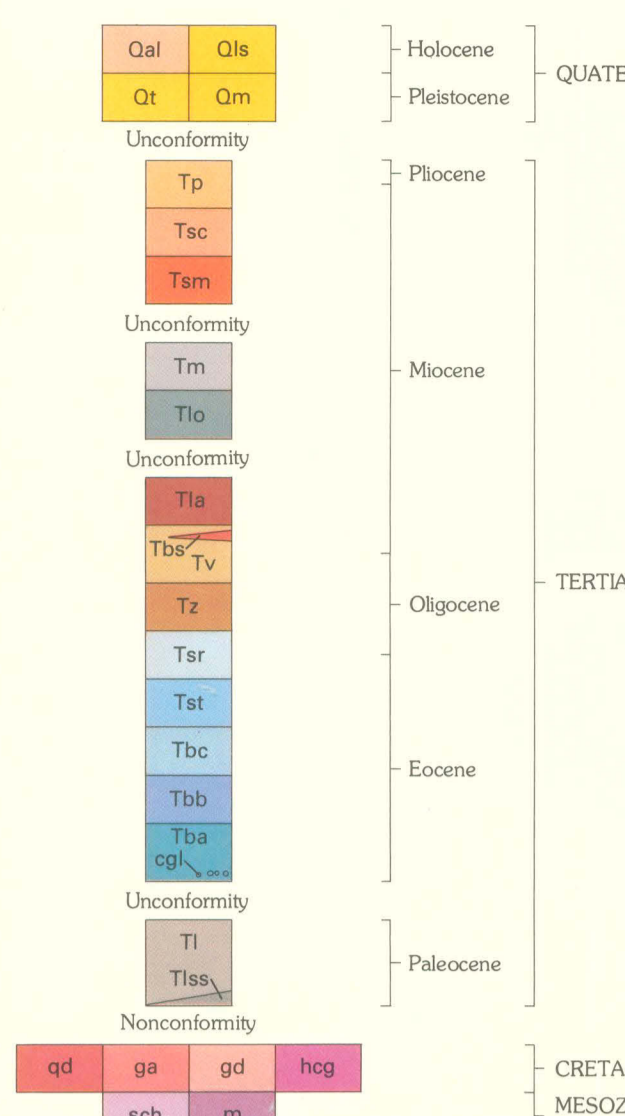




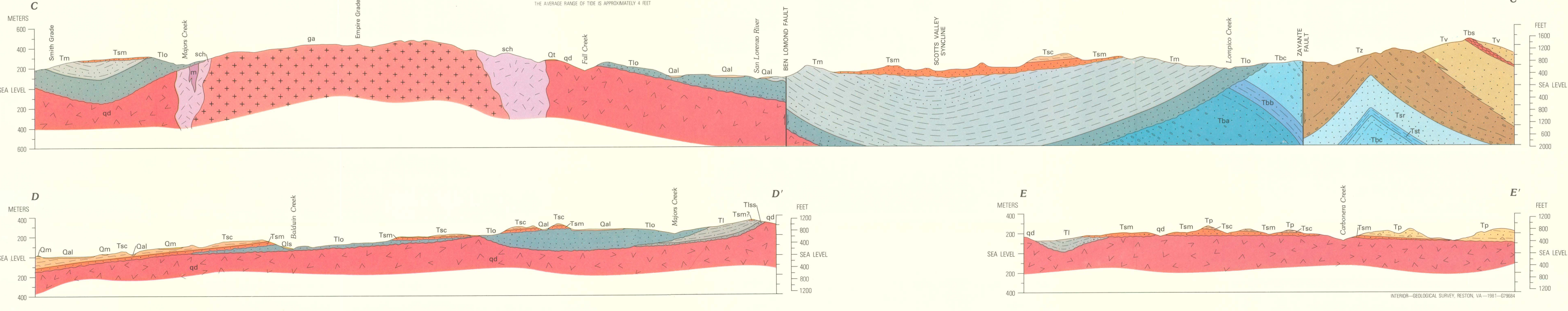
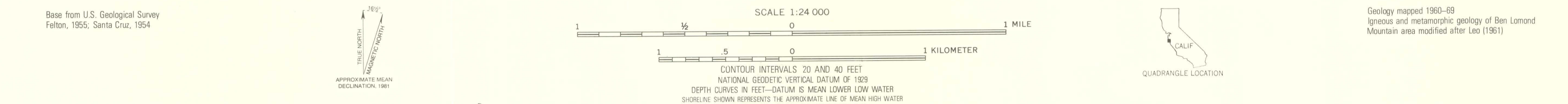
CORRELATION OF MAP UNITS



DESCRIPTION OF MAP UNITS

- Qal** ALLUVIUM—Unconsolidated gravel, sand, and silt
- Ols** LANDSLIDE MATERIAL—Half arrows show direction of downslope movement
- Qm** MARNE TERRACE DEPOSIT—Unconsolidated moderate-yellowish-brown fine sand and granular gravel
- UPPER MIOCENE TO PIOCENE SEDIMENTARY SEQUENCE**
- Tp** PURISIMA FORMATION (upper Miocene and Pliocene)—Very thick bedded yellowish-gray siltstone and distomaceous siltstone with thick interbeds of black-gray siltstone fine-grained and silty sandstone. Includes Santa Cruz Mudstone east of Santa Cruz and north of Santa Cruz
- Tsc** SANTA CRUZ MUDSTONE (upper Miocene)—Medium- to thick-bedded and finely laminated blocky-weathering pale-yellowish-brown silty sandstone. Includes Santa Margarita Sandstone along Glenwood syncline
- Tam** SANTA MARGARITA SANDSTONE (upper Miocene)—Very thick bedded to massive thickly cross-bedded yellowish-gray to white friable granular medium- to fine-grained arkosic sandstone, locally calcareous
- MIDDLE MIOCENE SEDIMENTARY SEQUENCE**
- Tm** MONTEREY FORMATION—Medium- to thick-bedded and laminated olive-gray to light-gray arkosic sandstone and sandy siltstone. Locally friable
- Tlo** LOMPICO SANDSTONE—Thick bedded to massive yellowish-gray medium- to fine-grained calcareous arkosic sandstone, locally friable
- EOCENE TO LOWER MIOCENE SEDIMENTARY SEQUENCE**
- Tla** LAMBERT SHALE (lower Miocene)—Thin- to medium-bedded and finely laminated olive-gray to dark-yellowish-brown organic mudstone with phosphatic laminae and lenses in lower part
- Tv** VAQUEROS SANDSTONE (Oligocene and lower Miocene)—Thick bedded to massive yellowish-gray arkosic sandstone
- Tba** Basalt—Spheroidal-weathering yellow basalt flows in upper part
- Tz** ZAVANTE SANDSTONE (Oligocene)—Thick- to very thick bedded yellowish-orange arkosic sandstone with thin interbeds of greenish and reddish siltstone and lenses and thick interbeds of pebbles and cobble conglomerate
- SAN LORENZO FORMATION**
- Tsr** River Mudstone Member (Eocene and Oligocene)—Massive medium-light gray fine- to very fine-grained arkosic sandstone; thick bed of glauconitic sandstone at base
- Tst** Twohar Shale Member (Eocene)—Very thin bedded and laminated olive-gray shale
- Tbc** BUJANO SANDSTONE (Eocene)
- Tbd** Upper sandstone member—Thin- to very thick bedded medium-gray fine- to medium-grained arkosic sandstone with thin interbeds of medium-gray siltstone
- Tbu** Middle siltstone member—Thin- to medium-bedded nodular olive-gray pyritic siltstone
- Tbl** Lower sandstone member—Very thick bedded to massive yellowish-gray granular medium- to coarse-grained arkosic sandstone
- Tbt** Conglomerate—Thick to very thick interbeds of sandy pebbly conglomerate in lower part of lower sandstone member
- PALEOCENE SEDIMENTARY SEQUENCE**
- Ti** LOCATELLI FORMATION—Nodular olive-gray to pale-yellowish-brown micaceous siltstone
- Ttsa** Sandstone—Massive medium-gray fine- to medium-grained arkosic sandstone locally at base
- CRYSTALLINE PLUTONIC AND METAMORPHIC ROCKS**
- qd** QUARTZ DIORITE—Grades to gneiss south and east of Ben Lomond Mountain
- ga** GRANITE AND ADAMELLITE
- gd** GNEISSIC GRANODIORITE
- hcg** HORNBLENDE-CUMMINGTONITE GABBRO
- sch** METASEDIMENTARY ROCKS—Mainly pelitic schist and quartzite
- m** MARBLE—Locally contains interbedded schist and calc-siltstone rocks

- Contact, approximately located—Triangle where well exposed; quartered where uncertain
- - - Fault—Dashed where approximately located; short dashed where inferred; dotted where concealed; U, relatively upthrown side; D, downthrown side
- - - Anticline—Dashed where approximately located; dotted where concealed
- Syncline—Showing direction of plunge; dashed where approximately located; dotted where concealed
- Strike and dip of beds
- Inclined
- Vertical
- Horizontal
- Estimated
- Strike and dip of foliation
- Fossil localities
- M5049 x Megalofossiliferous
- V5555 x Vertebrate
- M6675 x Microfossil
- L37 x Lithologic sample locality
- ◇ Abandoned exploratory oil well
- Half arrows show direction of downslope movement



GEOLOGIC MAP AND SECTIONS OF THE FELTON-SANTA CRUZ AREA, SANTA CRUZ COUNTY, CALIFORNIA