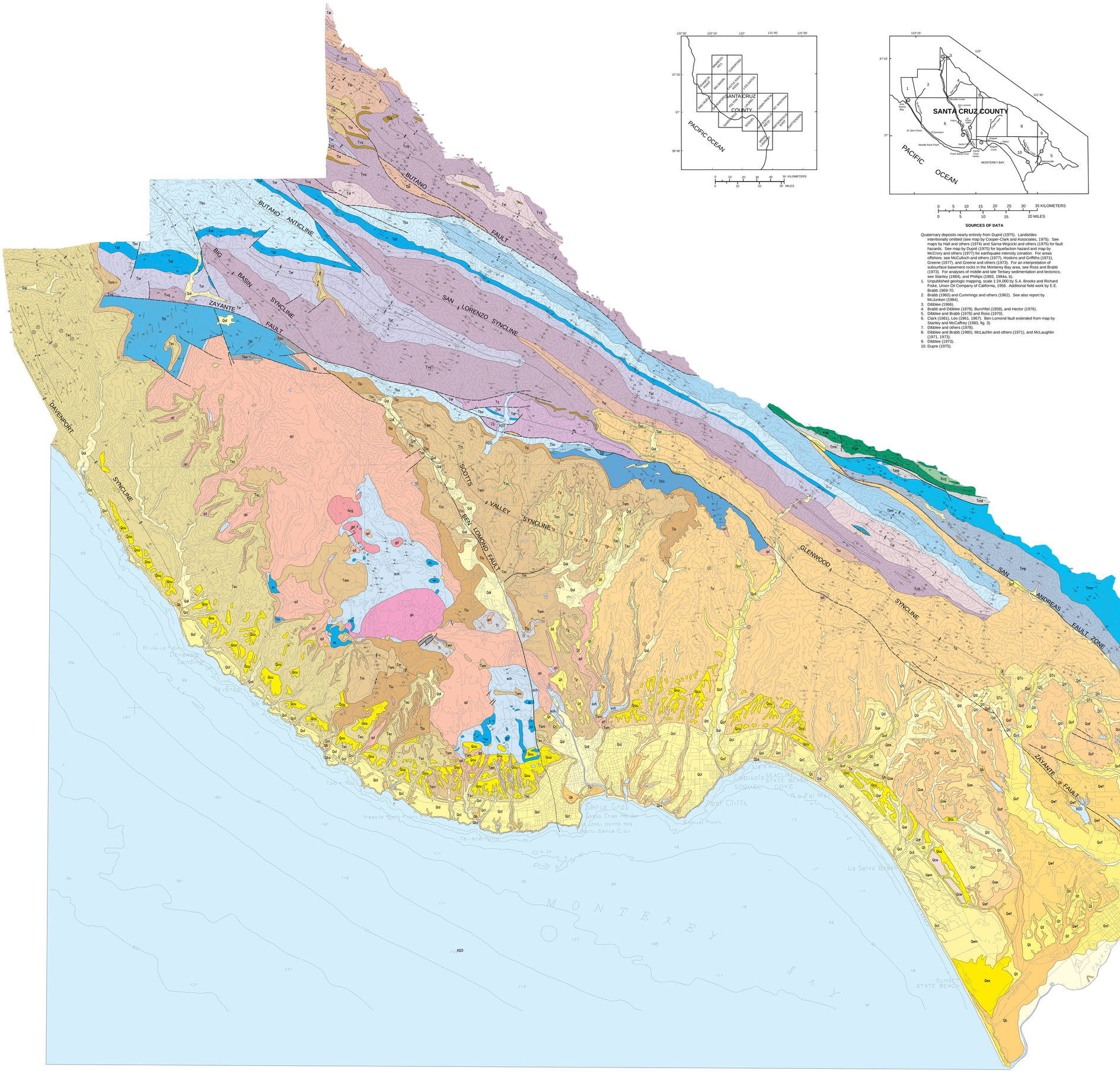
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

PLOT DERIVED FROM
OPEN-FILE REPORT 97-489
SHEET 1 OF 2



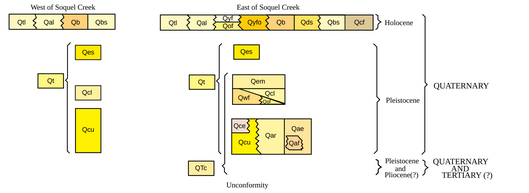
SOURCES OF DATA

Quaternary deposits nearly entirely from Dupré (1975). Landslides intentionally omitted (see map by Cooper-Clark and Associates, 1975). See maps by Hall and others (1974) and Sarna-Wojcicki and others (1975) for fault hazards. See map by Dupré (1975) for liquefaction hazard and map by McCrory and others (1977) for earthquake intensity zonation. For areas offshore, see McCulloch and others (1977), Hoskins and Griffiths (1971), Greene (1977), and Greene and others (1973). For an interpretation of subsurface basement rocks in the Monterey Bay area, see Ross and Brabb (1973). For analyses of middle and late Tertiary sedimentation and tectonics, see Stanley (1984), and Phillips (1983, 1984a, b).

1. Unpublished geologic mapping, scale 1:24,000 by S.A. Brooks and Richard Fiske, Union Oil Company of California, 1956. Additional field work by E.E. Brabb 1969-70.
2. Brabb (1960) and Cummings and others (1962). See also report by McJunken (1984).
3. Dibblee (1966).
4. Brabb and Dibblee (1979), Burchfiel (1958), and Hector (1976).
5. Dibblee and Brabb (1978) and Ross (1970).
6. Clark (1981), Leo (1961, 1967). Ben Lomond fault extended from map by Stanley and McCaffrey (1983, fig. 3).
7. Dibblee and others (1978).
8. Dibblee and Brabb (1980), McLauhlin and others (1971), and McLaughlin (1971, 1973).
9. Dibblee (1973).
10. Dupre (1975).

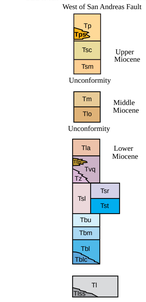
CORRELATION OF MAP UNITS

SURFICIAL DEPOSITS



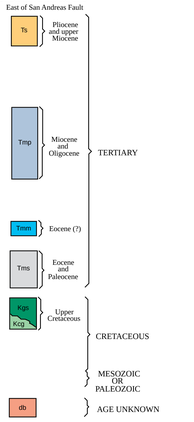
SEDIMENTARY AND VOLCANIC ROCKS

West of San Andreas Fault



SEDIMENTARY ROCKS

East of San Andreas Fault



INTRUSIVE AND METAMORPHIC ROCKS

db AGE UNKNOWN

Contact - Dashed where approximately located; queried where uncertain

Fault - Dashed where approximately located; dotted where concealed; queried where uncertain. Arrows indicate direction of relative movement

Anticline - Dashed where approximately located; queried where uncertain

Syncline - Dashed where approximately located; queried where uncertain

Strike and dip of beds
- 80 **Inclined**
- 50 **Approximate dip of bedding**
- **Vertical**
- **Horizontal**
- 60 **Overturned**

Strike and dip of foliation
- 20

This map is a plot derived from data contained in the digital database Open-File Report 97-489,"Geologic map of Santa Cruz County, California: A digital database." A PostScript image of this map is included in the Open-File Report, but the Open-File Report does not contain a paper copy of this map. The Open-File Report consists of the digital data and a pamphlet explaining the database and indicating how to obtain the data from which this map was prepared as well as the PostScript image of the map. The pamphlet also explains how those without computers can obtain a plot of this map from a private vendor.

Base scanned from U.S. Geological Survey San Francisco Bay Region, sheet 3 topographic map (1970)

UTM projection, zone 10

APPROXIMATE MEAN DECLINATION, 1986

SCALE 1:62500

1 0 1 2 3 4 5 MILES

1 0 1 2 3 4 5 KILOMETERS

0 1 2 3 4 5 6 7 8 9 10 11 THOUSAND FEET

GEOLOGIC MAP OF SANTA CRUZ COUNTY, CALIFORNIA

Compiled by

Earl E. Brabb

Digital Database Prepared by S. Graham, C. Wentworth, D. Knifong, R. Graymer and J. Blissenbach

1997

Area of Map

This report is a digital version of a published geologic map by Brabb (1989). The graphic file part of the report is preliminary and has not been reviewed for conformity with U.S. Geological Survey editorial standards. Any use of trade, product, or firm names is for descriptive purposes only and does not imply endorsement by the U.S. Government. This database, identified as "Geologic Map of Santa Cruz County, California: A digital database," has been approved for release and publication by the Director of the USGS. Although this database has been subjected to rigorous review and is substantially complete, the USGS reserves the right to revise the data pursuant to further analysis and review. Furthermore, it is released on condition that neither the USGS nor the United States Government may be held liable for any damages resulting from its authorized or unauthorized use.