



Base from U.S. Geological Survey  
San Bernardino, 1956, revised 1969  
Santa Ana, 1959, revised 1979

Index map showing location of study area and distribution of major faults. The dashed trace of the Coachella Valley segment of the San Andreas fault in the southern Salton Trough indicates the fault's probable course during much of Pliocene and Pleistocene time. The modern trace of the fault, where recognizable, is shown on the map by a solid line. CF, Cucamonga fault; CP, Cajon Pass; CVS, Coachella Valley segment; San Andreas fault; EF, Elmore fault; EL, Elizabeth Lake; GF, Garlock fault; LA, Los Angeles; LM, Libre Mountain; LSM, Little San Bernardino Mountains; MDS, Mojave Desert segment; San Andreas fault; M-SM, Malibu-Santa Monica fault zone; NIF, Newport-Inglewood fault; CM, Orocoopia Mountains; PD, Palmdale; PMF, Pinto Mountain fault; R, Riverside; SAF, San Andreas fault; SB, San Bernardino; SBM, San Bernardino Mountains; SCM, southern Chocolate Mountains; SGF, San Gabriel fault; SGM, San Gabriel Mountains; SJF, San Jacinto fault; TP, Tejon Pass; W, Wrightwood.



Sources of Geologic Mapping  
Coachella Valley and Morongo Valley regions: Rogers (1965, 1967) and Dibblee (1967); modified by preliminary photogeologic mapping (Matti, unpubl.). San Gorgonio Pass region: Allen (1957), Farley (1979), Matti and others (1983), Morton, Matti, and Cox, (unpubl. mapping, 1978-1992). Peninsular Ranges region: Rogers (1965, 1967) modified by Morton (1978a,b,c) and by Morton and Matti (unpubl. mapping, 1972-1992). See Bernardino Valley region: Morton and Miller (1975); Miller (1979); Matti and others (1982); Matti, Carson, Morton, and Cox, (unpubl. mapping, 1971-1992). San Gabriel Mountains region: Rogers (1967) modified by Morton (1975a, 1976), Morton and others (1983), Morton and Matti (1987), and Morton and Matti (1990b). Cajon Pass region: Rogers (1967) modified by Weldon and others (1981), Weldon (1985a,b), Meising and Weldon (1989), and Morton and Matti (1990a). San Bernardino Mountains region: Rogers (1967) modified by Weldon (1985b), Miller (1979), Morton and others (1980), Matti and others (1982a, 1983), and Matti, Morton, and Cox (unpubl. mapping, 1978-1992).

EXPLANATION

- FAULT--Dotted where concealed. Arrows show direction of relative movement; single arrow perpendicular to fault shows direction of dip. Bar and ball on downdropped block. Hachures indicate fault scarp, with hachures on downdropped block.
- THRUST FAULT--Dotted where concealed. Teeth on upper plate. Locally includes reverse faults.
- 25 mm/yr Weldon and Sieh (1985)
- SLIP-RATE DETERMINATION--Reference indicates source of determination
- A ANORTHOSITIC ROCK IN WILSON CREEK BLOCK
- BC BANNING CANYON
- BF BANNING FAULT
- BFL BURRO FLAT
- CC CITY CREEK
- D DEVORE
- DC DEVIL CANYON
- HFS HELL-FOR-SURE CANYON
- MC MILL CREEK
- NFW NORTH FORK, WHITEWATER RIVER
- PF PETERS FAULT
- RF RAYWOOD FLAT
- SPF SQUAW PEAK FAULT OF WELDON AND MEISLING (1989)
- TF TOKAY HILL FAULT
- WCB WILSON CREEK BLOCK
- WCF WILSON CREEK FAULT
- VT VINCENT THRUST
- WC WATERMAN CANYON

DISTRIBUTION AND GEOLOGIC RELATIONS OF FAULT SYSTEMS IN THE VICINITY OF THE  
CENTRAL TRANSVERSE RANGES, SOUTHERN CALIFORNIA

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