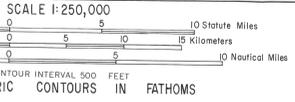


EXPLANATION



INTRODUCTION

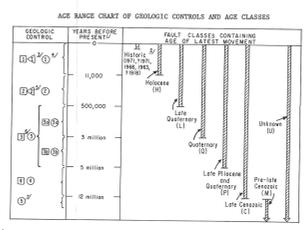
This map portrays what is known about the time of latest movement along each mapped fault. Faults are shown by line symbols for location. Symbols enclosed on the fault traces indicate known late Cenozoic stratigraphic or geomorphic evidence that brackets the age of the most recent movement for each fault. A fault is placed in one of eight age classes, shown by letter symbol or date, that most closely restricts the age of its latest movement.

MAP SYMBOLS

LINE SYMBOLS

Overlined where connection, continuation, or existence uncertain; dotted where inferred beneath covering deposits. Star indicates fault with relatively young movement along it but fault trace too short to show at map scale.

AGE RANGE CHART OF GEOLOGIC CONTROLS AND AGE CLASSES



AGE CLASS SYMBOLS

Each fault is placed in an age class according to the time span containing evidence of its latest known movement and, except for historic faulting, is so designated by a letter symbol. A fault is assigned to one of eight age classes chiefly from the youngest known late Cenozoic stratigraphic or geomorphic evidence of faulting preserved along it. Faults lacking such evidence either are designated Unknown or are assigned to another class on the basis of geospatial and spatial relations to a fault whose history is age class unless contrary evidence is available.

AGE CLASS SYMBOLS

Class	Symbol
Historic	1971, 1971, 1968, 1963, 19318
Holocene	H
Late Quaternary	L
Quaternary	Q
Late Pleistocene and Quaternary	Q
Late Cenozoic	C
Pre-late Cenozoic	U
Unknown	U, Un

GEOLOGIC UNITS

(Onshore areas only)
Chiefly bedrock at or near ground surface
Chiefly alluvial or terrace deposits generally more than 20 feet thick

EXAMPLES OF AGE CLASSIFICATION AND LIMITING GEOLOGIC CONTROL

Fault is classified as Late Pleistocene and Quaternary (Q), indicating that its most recent movement occurred within the last 5 million years. Faulted marine strata of late Pleistocene age (about 5 million to 3 million years) are present (square with numeral 3) but minimum age control is lacking.

Fault is classified as Quaternary (Q). Faulted marine deposits of early Pleistocene age (about 3 million to 500,000 years) are present (square with numeral 3a) to provide a maximum limit on the most recent movement. Unfaulted deposits with an age between about 500,000 and 11,000 years (circle with numeral 2) constitute a minimum limit on latest movement.

Fault is classified as Unknown (Un) because no faulted late Cenozoic deposits are preserved along it. A minimum limit on age of movement is lacking.

Fault is classified as Unknown (Un). No faulted late Cenozoic deposits are preserved along it, but the latest movement predates unfaulted early Pleistocene marine strata between about 3 million and 500,000 years old (circle with numeral 3a).

Fault is classified as Late Quaternary (L). Maximum age control is provided both by faulted Pleistocene geomorphic features (square with numeral 2) and by faulted rocks (square with numeral 2) with an age between about 300,000 and 11,000 years. Minimum geologic control on the age of the most recent faulting is lacking.

Segments of fault are assigned to different age classes. Segment classified as Unknown (Un) is known to displace deposits younger than 11,000 years (square with numeral 1). Other segment displace rocks between about 11 million and 5 million years old (square with numeral 3) but is limited by unfaulted deposits from about 500,000 to 11,000 years old (circle with numeral 2), and thus is classified as Late Cenozoic (C).

RELIABILITY DIAGRAM - SHEET 1

The degree of assurance that faults shown on map do exist, that important existing faults are not omitted, and that available geologic control on age of latest movement is properly depicted for each fault is indicated by numbers within area.

Most reliable 1 - Few additions or modifications likely
2 - Some additions or modifications likely
3 - Many additions or modifications likely
Least reliable 4 - Additions or modifications necessary throughout area

PRELIMINARY MAP SHOWING REGENCY OF FAULTING
IN COASTAL SOUTHERN CALIFORNIA

by

Joseph I. Ziony, Carl M. Wentworth, Jane M. Buchanan-Banks, and Holly C. Wagner
1974

