

CALIFORNIA GEOLOGICAL SURVEY 150TH ANNIVERSARY Fault Activity Map of California 2010



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INTRODUCTION

This edition of the Fault Activity Map of California was prepared in recognition of the California Geological Survey's 150th anniversary. This map is a revision of the 1993 Fault Activity Map of California (California Geological Survey Bulletin 201). The 1993 map was compiled from original-scale maps used for the 1970 and 1980 maps, as well as new-scale maps prepared since then. This map is not intended to replace or supersede the Official Maps of Earthquake Fault Zones: the location of fault traces shown should be considered for site-specific fault-source investigations required by the Assembly Bill 680 Earthquake Fault Zoning Act.

This new map is a combination of cultural features taken from digital photorecognition base maps and a shaded relief map derived from 30-meter contours and 100-meter altitudes, digital elevation models from the National Oceanic and Atmospheric Administration's Shuttle Radar Topography Mission (SRTM30 PLUS).

Bulletin 201, "An Explanatory Text to Accompany the Fault and Seismicity Maps of California," published separately, contains detailed source maps and information on the published and unpublished maps used in the compilation of this map. The 1993 map was compiled from original-scale maps used for the 1970 and 1980 maps, as well as new-scale maps prepared since then. This map is not intended to replace or supersede the Official Maps of Earthquake Fault Zones: the location of fault traces shown should be considered for site-specific fault-source investigations required by the Assembly Bill 680 Earthquake Fault Zoning Act.

Users of this map should be aware that active faults and earthquakes are the subject of continuing research and that refinement of the interpretations given here are in some ways a work in progress. These interpretations are based on the best available information at the time of publication. The California Geological Survey is committed to providing the most current information available to the public. The California Geological Survey is committed to providing the most current information available to the public. The California Geological Survey is committed to providing the most current information available to the public.

Geologic Unit	Time Scale (Approx.)	Fault Status	Boundary of Movement	DESCRIPTION
Quaternary	Recent	Active	Active	Active faults are shown with thick red lines. Active faults are shown with thick red lines. Active faults are shown with thick red lines.
Quaternary	Recent	Inactive	Inactive	Inactive faults are shown with thin red lines. Inactive faults are shown with thin red lines. Inactive faults are shown with thin red lines.
Quaternary	Recent	Uncertain	Uncertain	Uncertain faults are shown with dashed red lines. Uncertain faults are shown with dashed red lines. Uncertain faults are shown with dashed red lines.
Quaternary	Recent	Unknown	Unknown	Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines.
Quaternary	Recent	Unknown	Unknown	Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines.

EXPLANATION

- FAULT CLASSIFICATION COLOR CODE**
(See legend for details)
- Active faults are shown with thick red lines. Active faults are shown with thick red lines. Active faults are shown with thick red lines.
 - Inactive faults are shown with thin red lines. Inactive faults are shown with thin red lines. Inactive faults are shown with thin red lines.
 - Uncertain faults are shown with dashed red lines. Uncertain faults are shown with dashed red lines. Uncertain faults are shown with dashed red lines.
 - Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines. Unknown faults are shown with dotted red lines.
- ADDITIONAL FAULT SYMBOLS**
- Bar and dot in northeast-southwest direction or opposite.
 - Arrow on fault indicates direction of slip.
 - Line along fault indicates opposite sides of fault have moved in the same direction.
 - Line along fault indicates opposite sides of fault have moved in opposite directions.
- OTHER SYMBOLS**
- Horizontal lines to indicate direction of slip.
 - Horizontal lines to indicate direction of slip.
 - Horizontal lines to indicate direction of slip.



SCALE 1:750,000
(1 INCH EQUALS APPROXIMATELY 12 MILES)

RECENT OF FAULTING

Cuts from a large body of information, including and incorporating, regarding faulting in California. The information is presented in a way that is easy to understand and use. The information is presented in a way that is easy to understand and use. The information is presented in a way that is easy to understand and use.

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CAUTION
This fault map and accompanying data are for use as a guide only and should not be used to replace site-specific investigations.

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