

# **New quake map sheds new light on Bay Area faults**

**Lisa M. Krieger, San Jose Mercury News, 4-29-10**

An updated map of earthquake fault activity in California offers a new and detailed glimpse of the many geologic fractures that traverse our region.

Many — such as the Pilarcitos, San Jose, Stanford, Silver Creek, Mission, Coyote Creek and Palo Alto faults — have been active in the ancient past, within 1.8 million years, but not recently. Others — such as the Calaveras, Sargent, San Gregorio, Monte Vista and Seal Cove faults — are newer, with activity within the past 11,000 years. The most active, showing earth dislocation within 200 years, include the San Andreas and Hayward faults.

"Anything that is active within the past 1.8 million years — recent geological time — has some potential to be active in the future," said Chris Wills, supervising engineering geologist with the California Geological Survey.

There are three local examples of how the new map differs from older versions, said Wills. The Silver Creek Fault, once thought to extend along the Coyote Hills all the way to San Leandro, is actually much shorter. And two faults — the San Bruno and Antioch faults — are no longer considered real faults.

The new map was prepared in recognition of the California Geological Survey's 150th anniversary.

To see the full map, go to <http://www.quake.ca.gov/gmaps/FAM/faultactivitymap.html>.