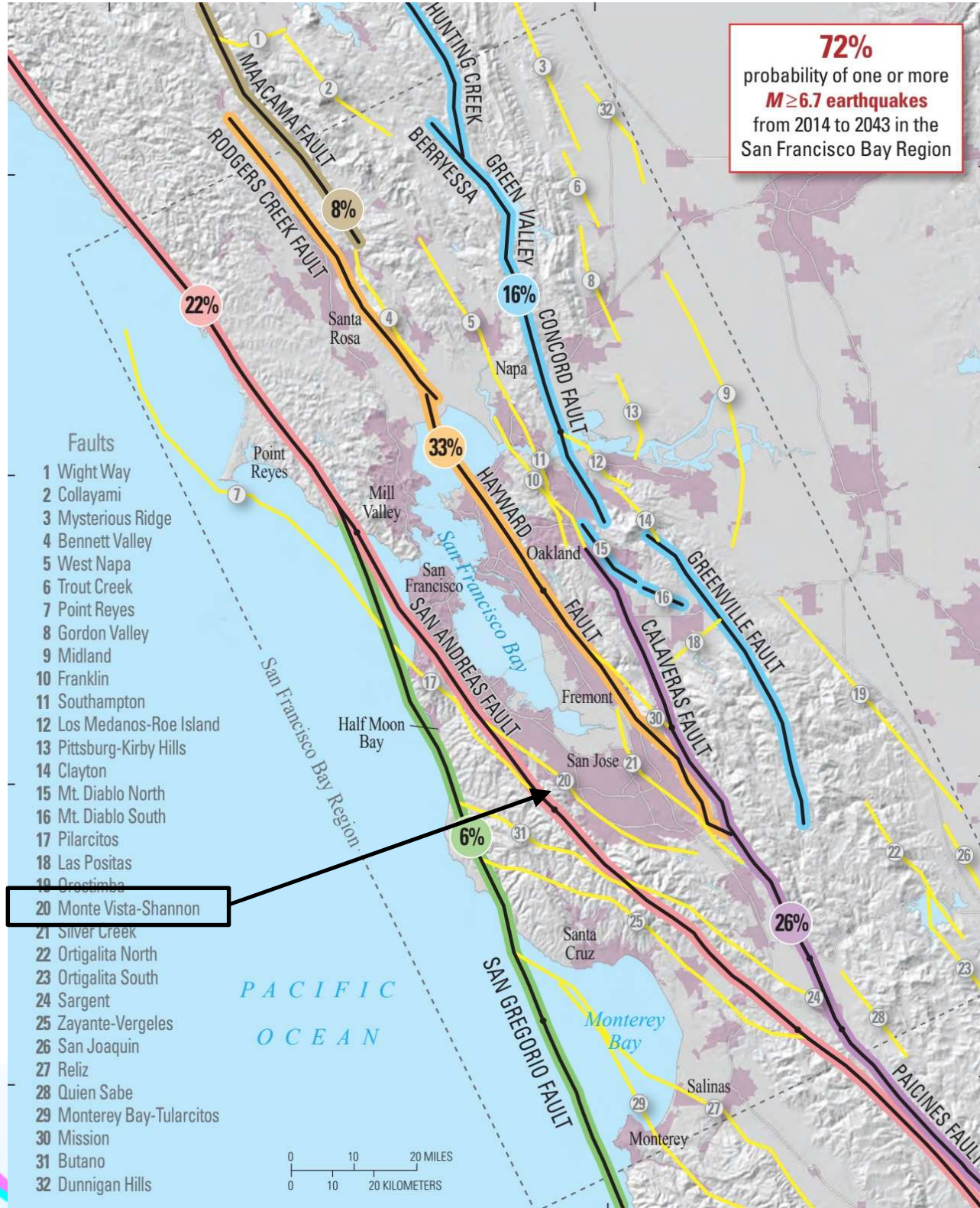


# Update on Earthquake Threats: Bay Area

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- Experts say the East Bay's Hayward Fault is 'overdue' for a major earthquake
  - Scientists have studied the faults extensively and determined that the Hayward is probably the most dangerous in the Bay Area
- San Jose State University research findings show the San Andreas Fault slipping faster and more consistently than previously understood in the Santa Cruz Mountains.
- Analysis a 10,000-year record at Sanborn County Park and found that movement does not slow down as it moves south toward the Bay Area as previously assumed, but maintains a speed comparable to northern sections.





# A catastrophic earthquake chain reaction could potentially affect millions of people along the US West Coast

- A major earthquake at the southern end of the Cascadia Subduction Zone could trigger a large earthquake on the San Andreas
- Geologic evidence it has happened in the past



# Update on Earthquake Threat: Southern California

- Cajon Pass is an industrial corridor
  - highways
  - rail lines
  - aqueducts
  - power lines
  - underground gas pipes
  - fiber optic cables
- Pass at juncture of two dangerous fault lines where the Pacific tectonic plate and the North American plate meet, poised for rupture:
  - San Jacinto
  - San Andreas
- Tectonic stress is at its highest level in 1,000 years.

