

EARTHQUAKES IN THE SF BAY AREA

The white dots on the map indicate the location earthquake epicenters.

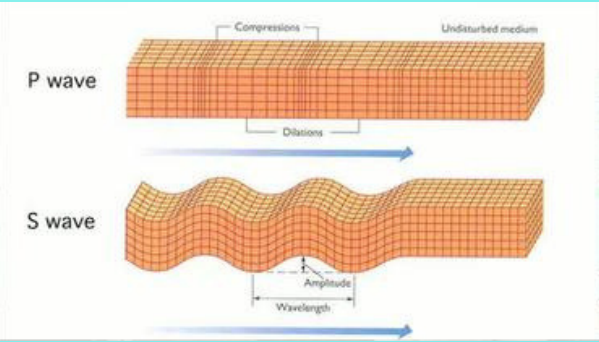


When will the Big One occur?

It is not known when the Bay Area will have it's next big earthquake. As it cannot be predicted.

Basic Info on Earthquakes

- Two plates of earth move or slide along a fault line
- Last between a few seconds to minutes
- Aftershocks occur in the epicenter
- Earthquake Weather isn't proven



Types of Earthquakes

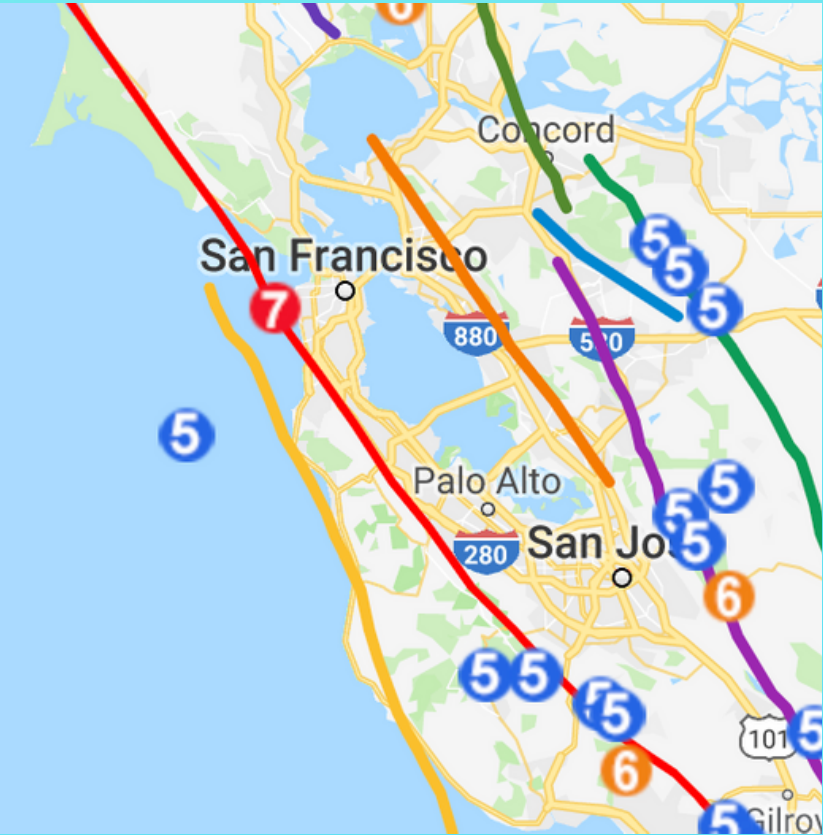
P-Waves move the surface together or apart almost like a line pattern

S-waves move up and down patternn as if the land was rolling like if it were liquid

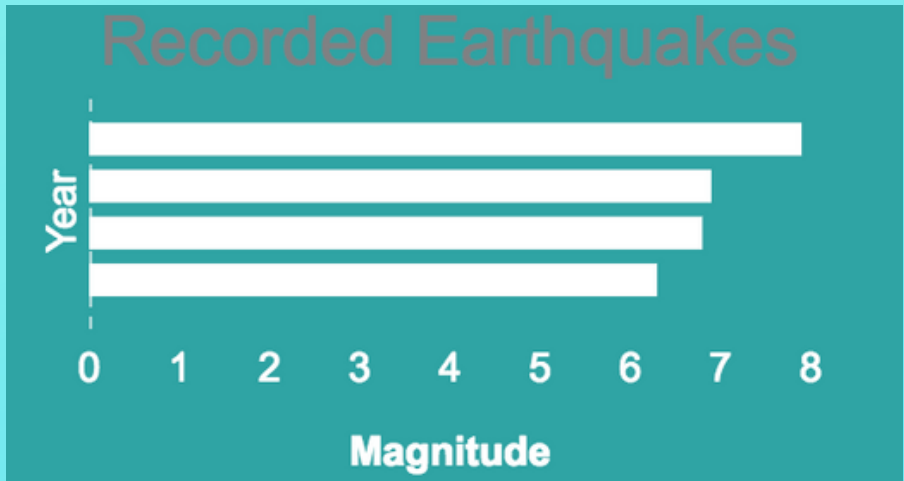
Fault Lines in the Bay Area

8 fault lines can be found

- San Andreas
- San Gregorio
- Hayward
- Calaveras
- Mt. Diablo
- Greenville
- Concord Green Valley
- Rodgers Creek



Make sure to know . what fault lines are near your location



Last big one occurred in 1989, so were long overdue for the next one

Tips in safety

#1	#2	#3	#4
Don't be close to loose objects or outdoors	Protect one's self under a table or somewhere sturdy	Stay calm and wait for any aftershocks that may occur	Be sure to listen to orders in public setting and or determine surroundings if alone



Have Emergency Kit located in home most can be found in retail stores and online

Works Cited

Wald, Lisa. "The Science of Earthquakes." U.S. Geological Survey, The Green Frog News, earthquake.usgs.gov/learn/kids/eqscience.php.
Bay Area News Group. "Map: Bay Area Major Earthquakes and Fault Lines." The Mercury News, The Mercury News, 17 Sept. 2018, www.mercurynews.com/2018/09/15/map-bay-area-major-earthquakes-and-fault-lines/.
"Natural Hazards Viewer ." Natural Hazards Viewer, NOAA, maps.ngdc.noaa.gov/viewers/hazards/.
"Smithsonian Ocean." Ocean Portal | Smithsonian, Smithsonian's National Museum of Natural History, 18 May 2018, ocean.si.edu/planet-ocean/waves-storms-tsunamis/demonstrating-earthquakes-seismic-waves.