

# PSA Earthquake Risk in California

Produced by Brandon Moore

## When will they strike?

Earthquakes strike the Bay Area at least a dozen times a day though for the most part we can't feel them unless they are 3.5 on the Richter scale or above.

## Recent Bay Area Quakes

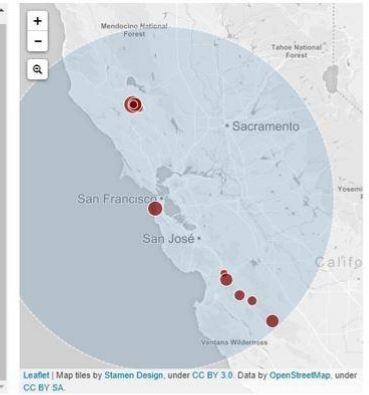
In the past 24 hours, there have been 16 quakes.

This map shows all earthquakes near the San Francisco Bay Area for the past 24 hours. The darker blue circle shows the range we're filtering for.

Tiny, mostly unnoticeable quakes happen all the time in this part of the state. Some spots on the map will have several small quakes layered on top of one another. Zoom in for more detail. (Mobile users may want to click here for a better experience.)

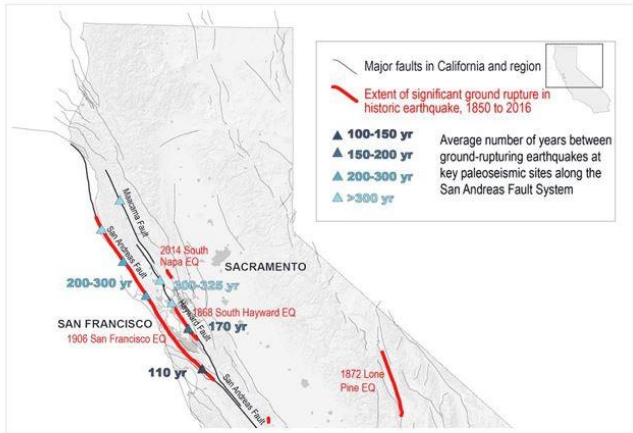
Map by Scott Pflum, Data: USGS

magnitude	time
0.38	6:29:03 AM, 11/27/2018
0.72	5:56:08 AM, 11/27/2018
1.01	11:50:07 PM, 11/26/2018
1.51	11:48:11 PM, 11/26/2018
1.06	11:41:51 PM, 11/26/2018
0.87	7:49:22 PM, 11/26/2018
0.35	7:42:19 PM, 11/26/2018
0.87	3:48:11 PM, 11/26/2018
0.65	3:27:08 PM, 11/26/2018
1.03	3:23:30 PM, 11/26/2018
0.62	1:52:33 PM, 11/26/2018
1.26	12:36:59 PM, 11/26/2018
1.84	11:24:29 AM, 11/26/2018
1.31	9:46:21 AM, 11/26/2018
1.38	7:47:59 AM, 11/26/2018
0.69	7:32:49 AM, 11/26/2018



Map by: NBC Bay Area News: cited in Sources Slide

## Northern California



Map of faults in northern California. Bold numbers show the average time between big earthquakes, determined at paleoseismic sites (triangles). Thick red lines show the extent of historic ruptures. (Kate Schare, USGS)

Map by USGS: cited on sources slide

## We are Overdue

As stated by numerous professionals, geologists and scientists we are very overdue for an earthquake the likes of which have rarely been seen in our time here on Earth

## Takeaway's

- ❖ Earthquakes are frequent and they relieve some pressure of the fault
- ❖ "The Big One" could literally strike at any moment
- ❖ Be prepared for the Worst



San Francisco Union square 1906: cited in Sources Slide

## Sources

- ❖ NBC Bay Area. "Bay Area Earthquake Map." *NBC Bay Area*, NBC Bay Area, 27 Oct. 2017, [www.nbcbayarea.com/news/local/Bay-Area-Earthquake-Map-308867371.html](http://www.nbcbayarea.com/news/local/Bay-Area-Earthquake-Map-308867371.html)
- ❖ "Back to the Future on the San Andreas Fault." *U.S. Geological Survey*, [www.earthquake.usgs.gov/learn/topics/safz-paleo/](http://www.earthquake.usgs.gov/learn/topics/safz-paleo/)
- ❖ Brinklow, Adam. "Map: A Tour of the San Francisco Earthquake of 1906." *Curbed SF*, Curbed SF, 18 Apr. 2018, [www.sf.curbed.com/maps/great-sf-quake-earthquake-san-francisco-sf-anniversary-1906](http://www.sf.curbed.com/maps/great-sf-quake-earthquake-san-francisco-sf-anniversary-1906)