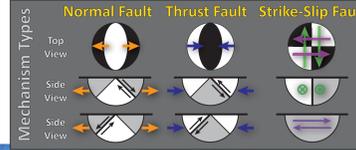
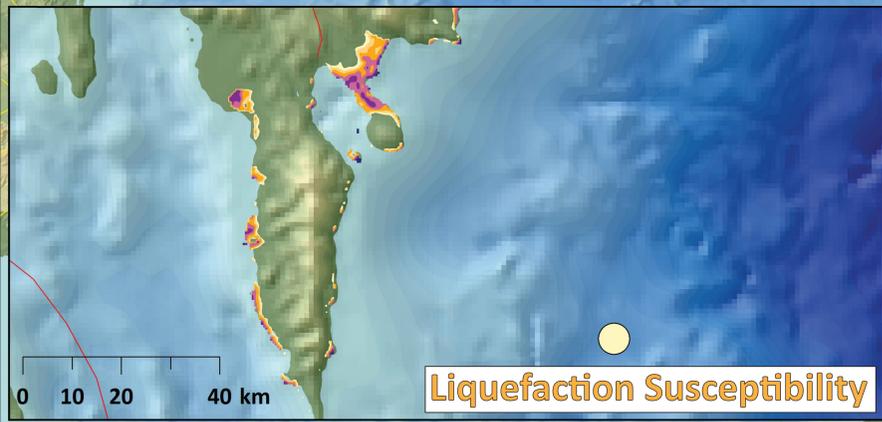
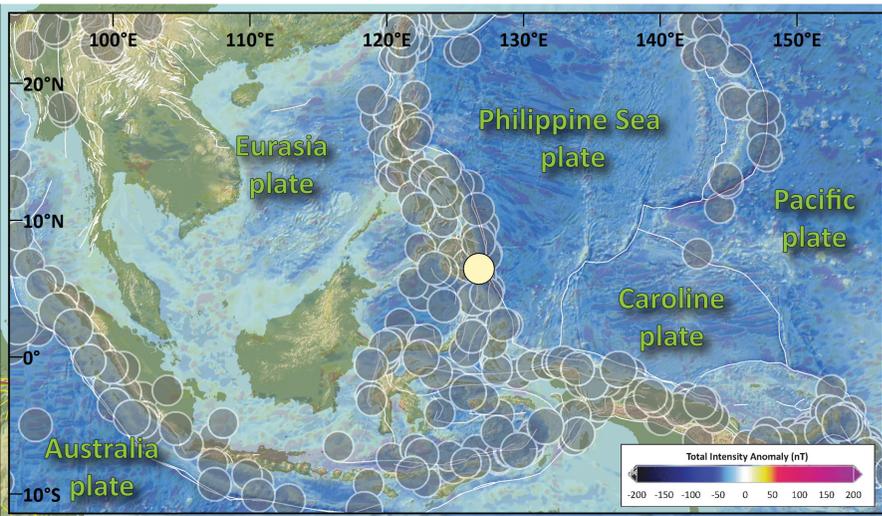


# Earthquake Report: 2021.08.11

## M 7.1 Central California (& USGS Seismicity 1921-2021 M ≥ 7.0)



SHAKING	Not Felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
DAMAGE	Note	None	None	Very Light	Light	Moderate	Moderate/Heavy	Heavy	Very Heavy
PGA (%g)	<0.05	0.3	2.76	6.2	11.5	21.5	40.1	74.7	>139
PGV (cm/s)	<0.02	0.13	1.41	4.65	9.64	20	41.4	85.8	>178
INTENSITY	1	2-3	4	5	6	7	8	9	10



**11 Aug '21 M 7.1**

Seismicity (USGS - 3 month)

Magnitude

- 3.8 - 4.0
- 4.1 - 4.5
- 4.6 - 5.0
- 5.1 - 5.5
- 5.6 - 6.0
- 6.1 - 6.5
- 6.6 - 7.1

Seismicity (USGS - 1 century)

Magnitude

- 7.0 - 7.5
- 7.6 - 8.0
- 8.1 - 8.5
- 8.6 - 9.1

**Fault**

- Crustal (CCOP)
- (GEM)

**Intensity (USGS - MMI)**

- I (Not Felt)
- II - III (Weak)
- IV (Light)
- V (Moderate)
- VI (Strong)
- VII (Very Strong)
- VIII (Severe)
- IX (Violent)
- X+ (Extreme)

**Liquefaction Susceptibility**  
Zhu et al. (2017)

- 0% - 0.5%
- 0.6% - 1%
- 1.1% - 2%
- 2.1% - 5%
- 5.1% - 10%
- 10.1% - 20%
- 20.1% - 50%

Jason R. Patton  
earthjay.com © 2019

GLOBAL EARTHQUAKE MODEL  
working together to assess risk

science for a changing world

Topography: GMRT Ryan et al., 2009  
 DOI: 10.1029/2008GC002332  
 ALOS AW3D30 Tadono et al., 2014  
 © JAXA doi:10.5194/isprsannals-II-4-71-2014

