Post-ShakeAlert® Message Summary

Earthquake:

Advanced National Seismic System (ANSS):
M 3.4 - 13.9 km (8.7 mi) S of Parkfield

ANSS location:	Not available at report time
ANSS depth:	Not available at report time
ANSS origin (Local):	Not available at report time
ANSS origin (UTC):	Not available at report time
ShakeAlert origin (UTC):	2022-01-01 06:10:54.10
ShakeAlert Event ID:	ew1641017450

ShakeAlert Messages Issued (after origin time):

Initial:	Not available
Peak magnitude:	Not available
Final:	Not available

ShakeAlert System Magnitude Estimates:

Initial:	M 3.9
Peak:	M 3.9
Final:	M 3.4

ShakeAlert System Location Accuracy:

Initial:	Not available at report time
Peak M:	Not available at report time
Final:	Not available at report time

Wireless Emergency Alert:

Magnitude below threshold for WEA system.
WEA alerts are distributed to the MMI 4+ area if ShakeAlert Peak M>=5.0

Number of Stations Reporting:

1 within 10 km of epicenter
31 within 100 km of epicenter
29 used in final ShakeAlert Message

Nearby Cities:

City	Distance	Time*	MMI**
Parkfield	14 km (9 mi)	~5 sec	3
Paso Robles	23 km (14 mi)	~7 sec	<2
San Luis Obispo	58 km (36 mi)	~16 sec	<2
San Francisco	280 km (174 mi)	~79 sec	<2

Radius shaken before message release: Not available

Footnotes:

** Time -- Time between message release and
  arrival of the S-wave at the location.*
*** MMI -- Modified Mercalli Intensity: a scale to measure
  ground shaking severity.*
**** For earthquakes deeper than ~15 km, the ShakeAlert Message may
  be sent before peak shaking reaches the surface.*

Disclaimer:

*This information is provisional and subject to revision.
It is being provided to meet the need for timely best science.
The information has not received final approval by the U.S.
Geological Survey (USGS) and is provided on the condition that
neither the USGS nor the U.S. Government shall be held liable for
any damages resulting from the authorized or unauthorized use of
the information.*

To learn more about ShakeAlert®, visit www.shakealert.org/FAQ
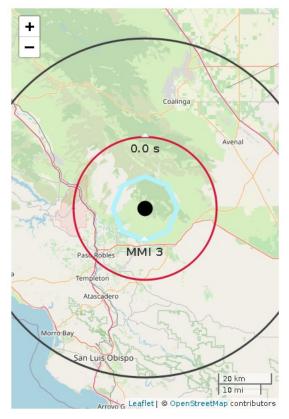

Figure 1. ShakeAlert initial earthquake location (black dot). ANSS earthquake epicenter not available. Polygon approximates outer range for felt ground motion. If shown, red circle is front of peak shaking when the message was released***. Shaking takes 10 s to expand from circle to circle.

Figure 2. Polygons show shaking intensity contours for the peak magnitude estimate. Shaking of MMI 3 or less is often not felt. ANSS earthquake epicenter not available.

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