

ShakeAlert® Post-Alert Summary

Earthquake:

M 3.8 - 157.7 km (98.0 mi) SW of Rio Dell

ANSS origin (Local): Not available at report time

ANSS origin (UTC): Not available at report time

ShakeAlert alert (UTC): 2021-07-29 18:39:38.5

ANSS location: Not available at report time

ANSS depth: Not available at report time

ShakeAlert Event ID: ew1627583970

Time To Alert After Earthquake Start:

Initial alert after origin time: Not available

Final alert after origin time: Not available

Magnitude Accuracy:

Initial ShakeAlert: M 3.7

Peak ShakeAlert: M 3.8

Final ShakeAlert: M 3.8

ANSS report: Not available at report time

Location Accuracy:

Initial alert: Not available at report time

Final alert: Not available at report time

Number of Stations Reporting:

0 within 10 km of epicenter

0 within 100 km of epicenter

10 used in final ShakeAlert update

Nearby Cities:

City	Distance	Warning*	MMI**
Rio Dell	158 km (98 mi)	~44 sec	<2
Fort Bragg	168 km (104 mi)	~47 sec	<2
Ukiah	226 km (141 mi)	~64 sec	<2
San Francisco	363 km (225 mi)	~102 sec	<2

Zone Shaken by S-wave Before Alert: Not available

Footnotes:

* Warning -- Time between alert production and arrival of the S-wave at a chosen site.

** MMI -- Modified Mercalli Intensity: a scale to measure ground shaking.

*** For earthquakes deeper than 15 km, the alert may be sent before peak shaking reaches the surface.

Disclaimer:

This information is preliminary or provisional and is 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). Regional network epicenter not available. Polygon is the approximate outer range for felt ground motion. If shown***, red circle is front of peak shaking when the alert was released. Shaking takes 10 s to expand from circle to circle.



Figure 2. Polygons show shaking intensity contours for the peak magnitude ShakeAlert. Shaking of intensity 3 or less is often not felt. Regional network epicenter not available.

Report created 2021-07-29 11:44:40 (Pacific)