

ShakeAlert® Post-Alert Summary

Overview of ShakeAlert Performance

Earthquake

M 4.9 - 23.9 mi N of Florence

ANSS origin (Local): Not available at report time

ANSS origin (UTC): Not available at report time

ANSS depth: Not available at report time

ShakeAlert alert (UTC): 2019-08-29 15:08:52.6

ShakeAlert Event ID: ew1567091320

Summary Report

Speed of Alert:

Initial alert update after origin time: Not available

Final alert update after origin time: Not available

Magnitude Accuracy:

Initial ShakeAlert: M 4.3

Final ShakeAlert: M 4.9

ANSS report: Not available at report time

Distance From Alert to Reviewed Location

Initial alert: Not available at report time

Final alert: Not available at report time

Number of stations reporting

1 within 10 km of epicenter

25 within 100 km of epicenter

8 used in final ShakeAlert update

Performance for Nearby Cities

City	Distance	Warning Time*	MMI*
Florence	38 km (23 mi)	~11 sec	2
Newport	35 km (21 mi)	~10 sec	2
Lincoln City	70 km (43 mi)	~20 sec	<2
Salem	103 km (64 mi)	~29 sec	<2

Zone Shaken by S-wave Before Alert: Not available

Footnotes

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

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

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 predicted outer range for felt ground motion (MMI 2). Red circle is front of peak shaking when the alert was released. Shaking takes 10 s to expand from circle to circle.

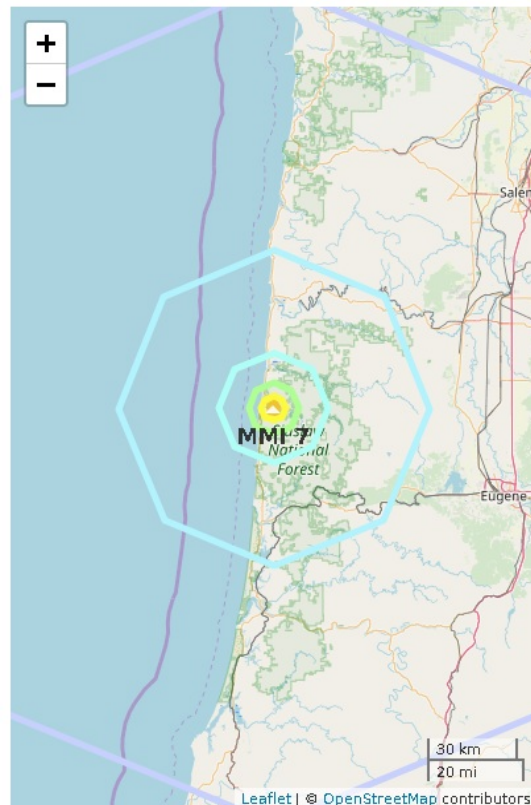


Figure 2. Polygons show shaking intensity contours for the final ShakeAlert. Shaking of intensity 3 or less is often not felt. Regional network epicenter not available.

Report created 2019-08-29 08:13:55 (Pacific)