

# ShakeAlert® Post-Alert Summary

Overview of ShakeAlert Performance

## Earthquake

M 3.6 - 95.2 mi W of Port Alberni  
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): 2020-03-21 07:49:47.5  
ShakeAlert Event ID: ew7511

## 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 3.5  
Final ShakeAlert: M 3.6  
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

0 within 10 km of epicenter  
6 within 100 km of epicenter  
7 used in final ShakeAlert update

## Performance for Nearby Cities

City	Distance	Warning Time*	MMI*
Port Alberni	153 km (95 mi)	~43 sec	<2
Vancouver	272 km (169 mi)	~76 sec	<2
Victoria	285 km (177 mi)	~80 sec	<2
Aberdeen	368 km (228 mi)	~103 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](http://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.

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