

# KITTITAS COUNTY

## Cle Elum Fault Peak Ground Acceleration 6.8 Magnitude Scenario

### Mercalli Scale, Potential Damage

-  V, Very Light
-  VI, Light
-  VII, Moderate
-  VIII, Moderate-Heavy
-  IX, Heavy

Magnitude: 6.8  
Depth: 0.0km  
Epicenter: N46.93 W120.76  
Appx. 13mi SW of Ellensburg, WA

The Cle Elum Fault connects to the South Whidbey Fault system in the west, and runs southeast towards the Tri Cities area.

A ShakeMap is designed as a rapid response tool to portray the extent and variation of ground shaking throughout the affected region immediately following significant earthquakes. Ground motion and intensity maps are derived from peak ground motion amplitudes recorded on seismic sensors (accelerometers), with interpolation based on both estimated amplitudes where data are lacking, and site amplification corrections. Color-coded instrumental intensity maps are derived from empirical relations between peak ground motions and Modified Mercalli intensity. United States Geological Survey (USGS)

October 2010

Cle Elum Fault PGA Shake Map Data  
United States Geological Survey

1 inch equals 10,000 feet

1:120,000

