Probability of earthquake with $M \geq 7.01$ within 50 years & 50 km

U.S. Geological Survey PSHA Model

Site: -118 39 degrees

Earthquake probabilities from USGS 2002 PSHA. 50 km maximum horizontal distance. Site of interest: triangle. Fault traces are white; rivers blue. Epicenters $M \geq 6.0$ circles.