

USGS Design Maps Summary Report

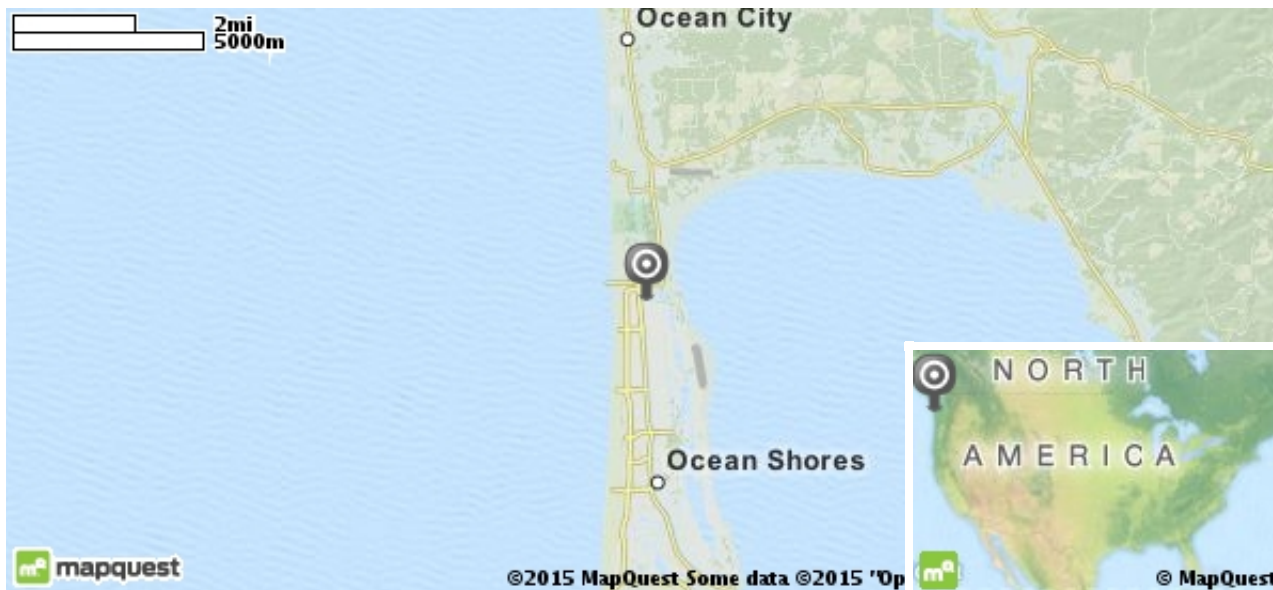
User-Specified Input

Building Code Reference Document 2012 International Building Code
(which utilizes USGS hazard data available in 2008)

Site Coordinates 47.0133°N, 124.1596°W

Site Soil Classification Site Class D – “Stiff Soil”

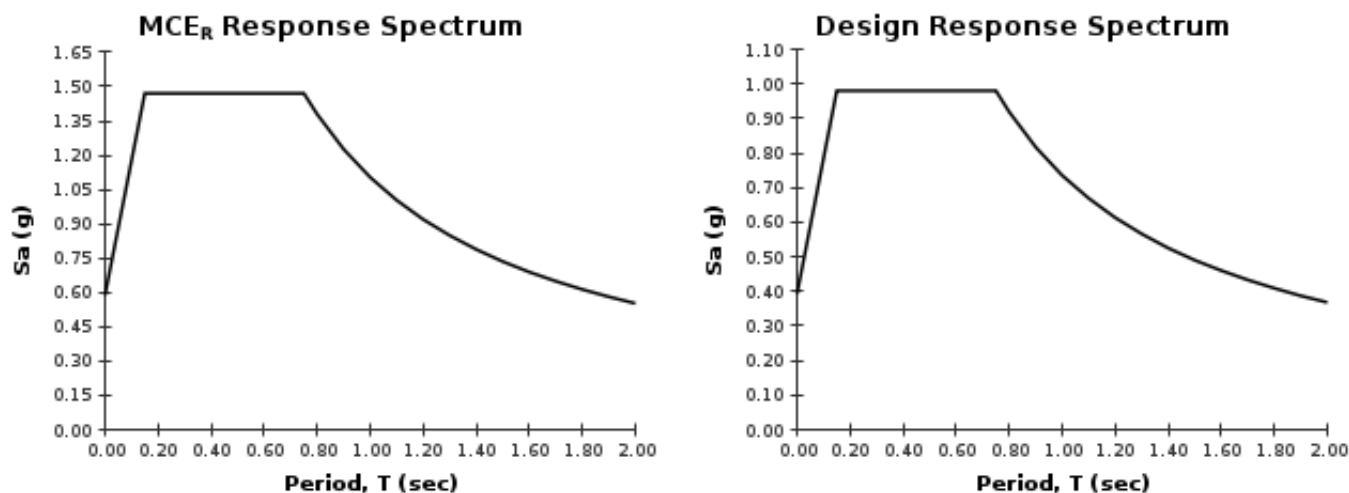
Risk Category I/II/III



USGS-Provided Output

$S_s = 1.470 \text{ g}$	$S_{MS} = 1.470 \text{ g}$	$S_{DS} = 0.980 \text{ g}$
$S_1 = 0.735 \text{ g}$	$S_{M1} = 1.103 \text{ g}$	$S_{D1} = 0.735 \text{ g}$

For information on how the S_s and S_1 values above have been calculated from probabilistic (risk-targeted) and deterministic ground motions in the direction of maximum horizontal response, please return to the application and select the “2009 NEHRP” building code reference document.



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