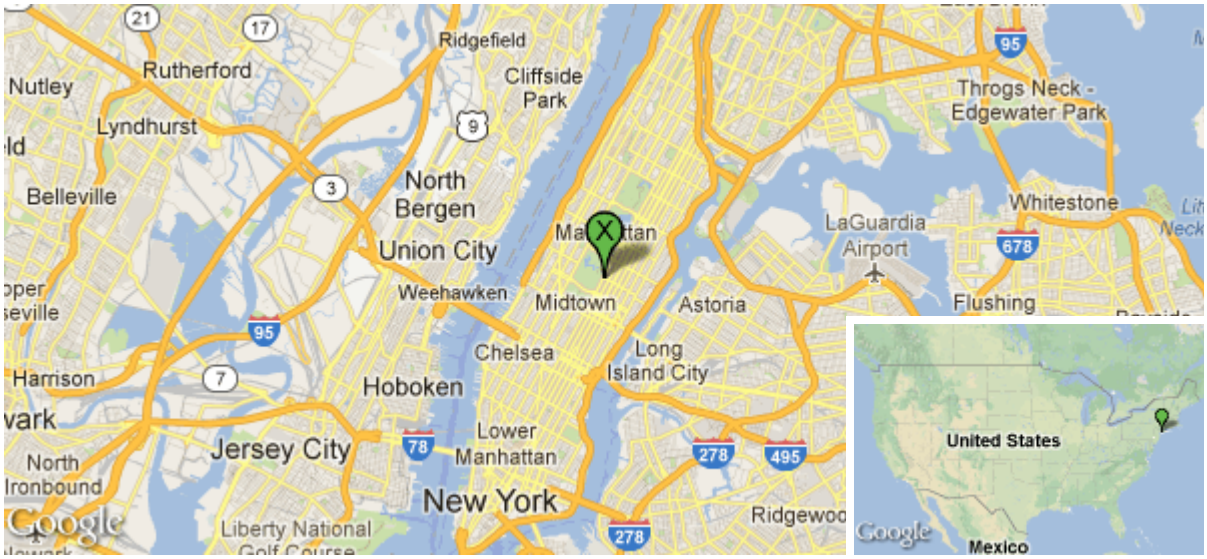
USGS Design Maps Summary Report

User–Specified Input

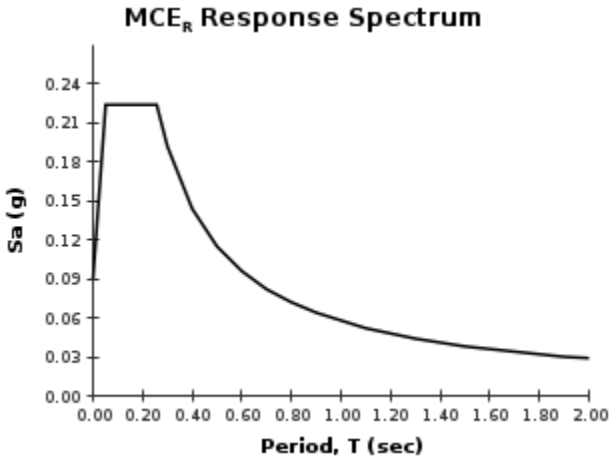
Report Title	Target Spectrum for NYC Wed February 6, 2013 19:42:50 UTC
Building Code Reference Document	ASCE 7-10 Standard (which makes use of 2008 USGS hazard data)
Site Coordinates	40.7724°N, 73.967°W
Site Soil Classification	Site Class A – "Hard Rock"
Risk Category	I/II/III

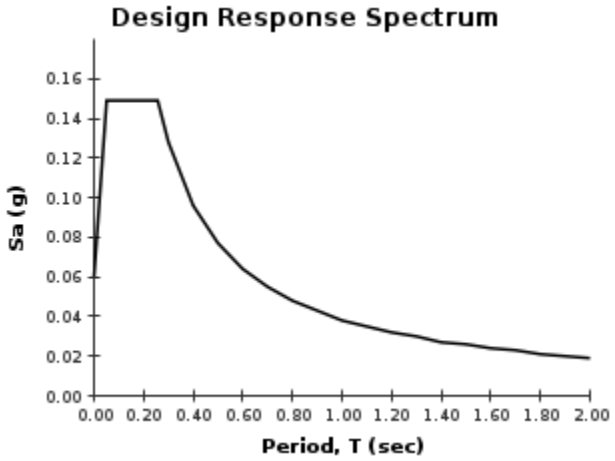


USGS–Provided Output

S_S =	0.280 g	S_{MS} =	0.224 g	S_{DS} =	0.149 g
S_1 =	0.072 g	S_{M1} =	0.058 g	S_{D1} =	0.038 g

For information on how the SS and S1 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.





For PGA_M, T_L, C_{RS}, and C_{R1} values, please view the detailed report.

Although this information is a product of the U.S. Geological Survey, we provide no warranty, expressed or implied, as to the accuracy of the data contained therein. This tool is not a substitute for technical subject-matter knowledge.