

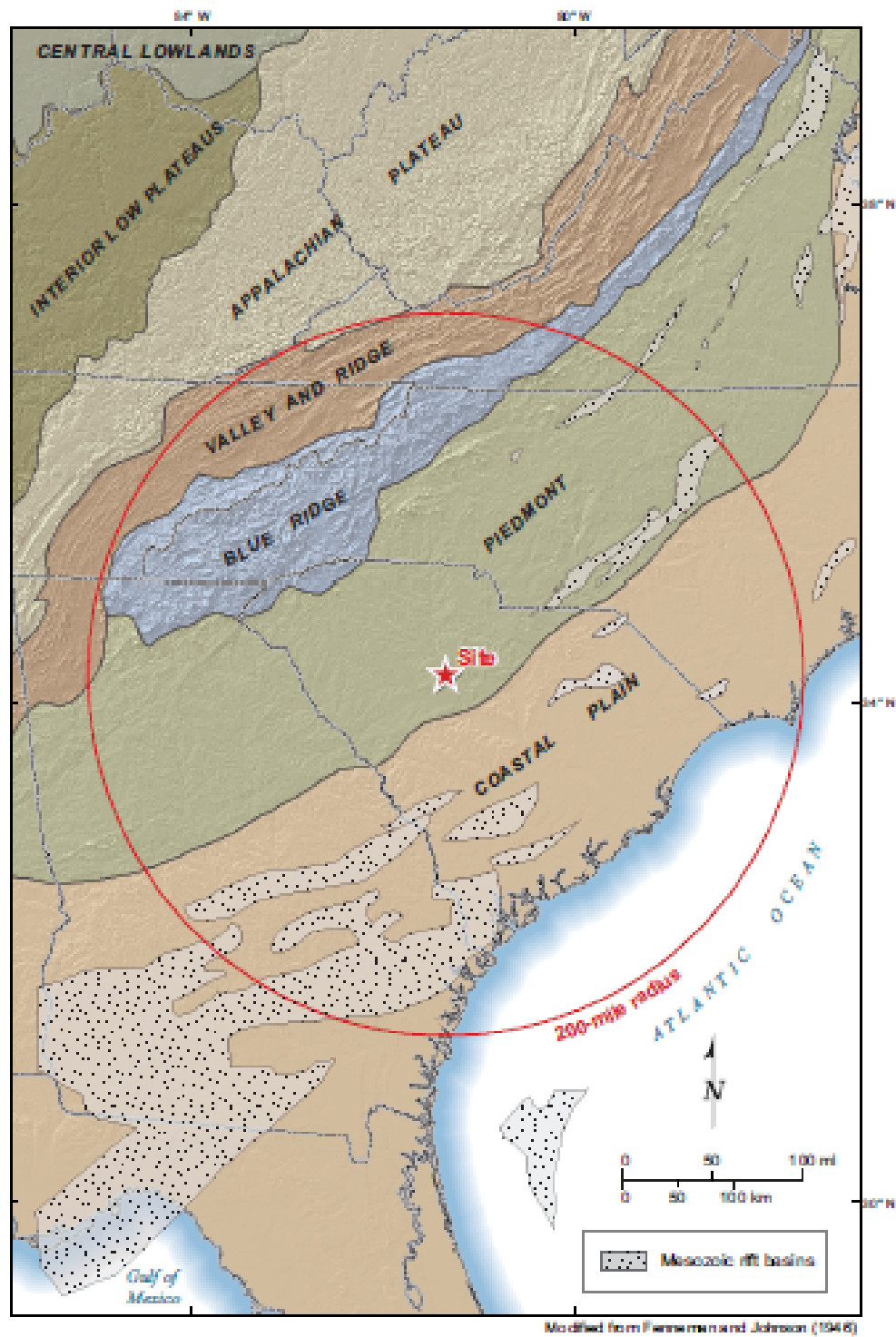


Figure 2.5.1-1. Map of Physiographic Provinces and Mesozoic Rift Basins

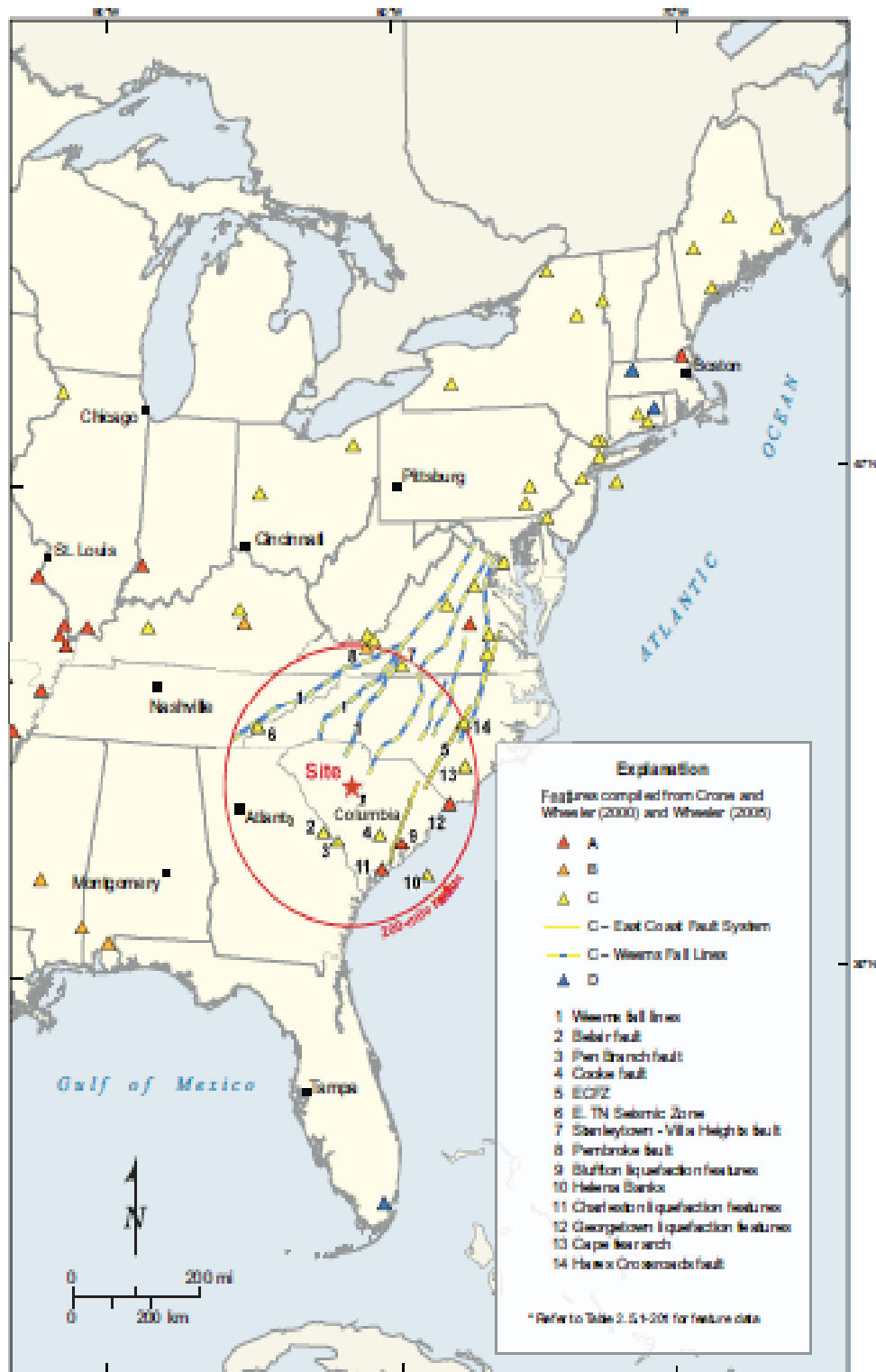


Figure 2.5.1-2. Potential Quaternary Features in the Site Region

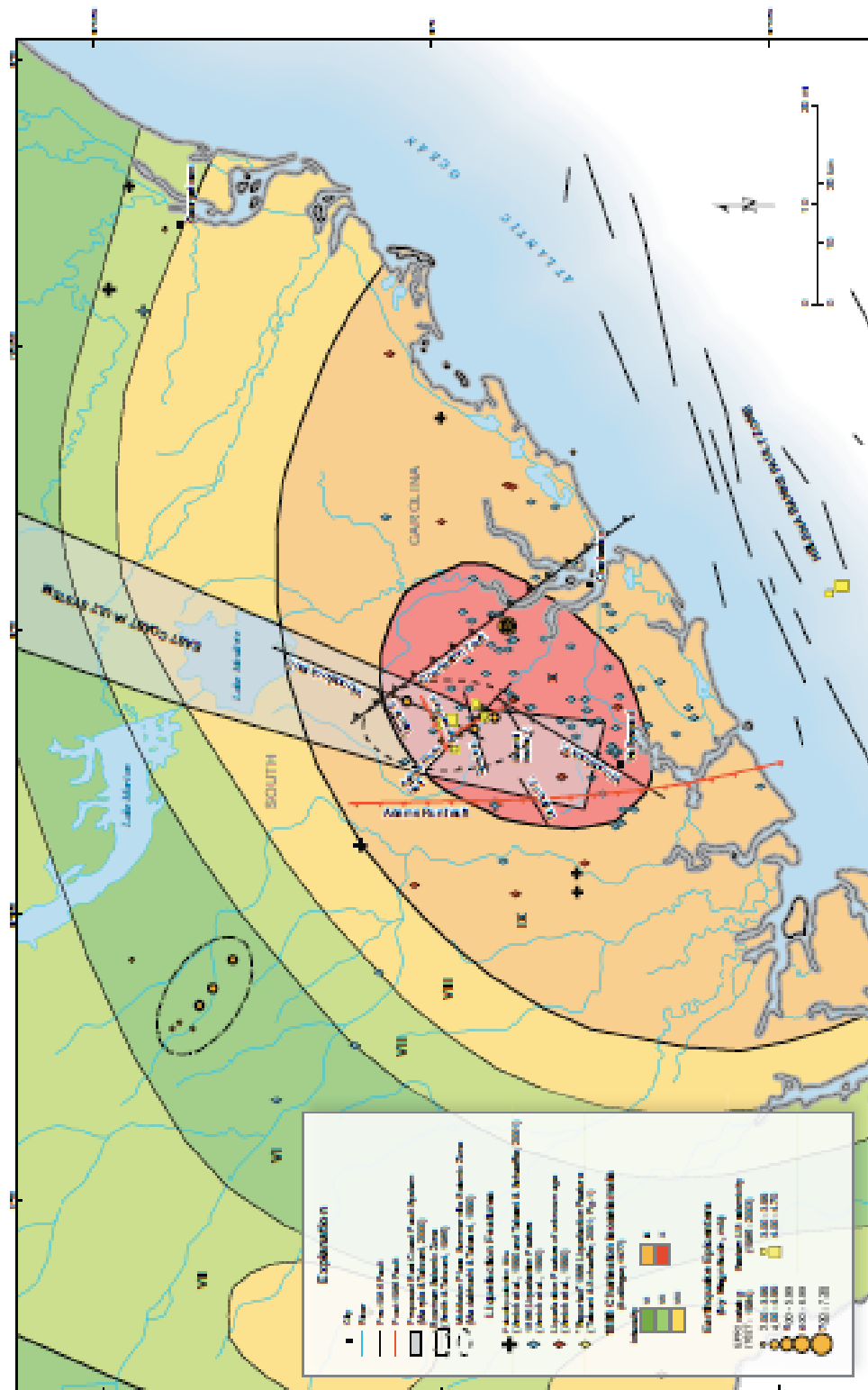


Figure 2.5.1-3. Local Charleston Tectonic Features



Figure 2.5.1-4. Seismic Zones and Seismicity in CEUS

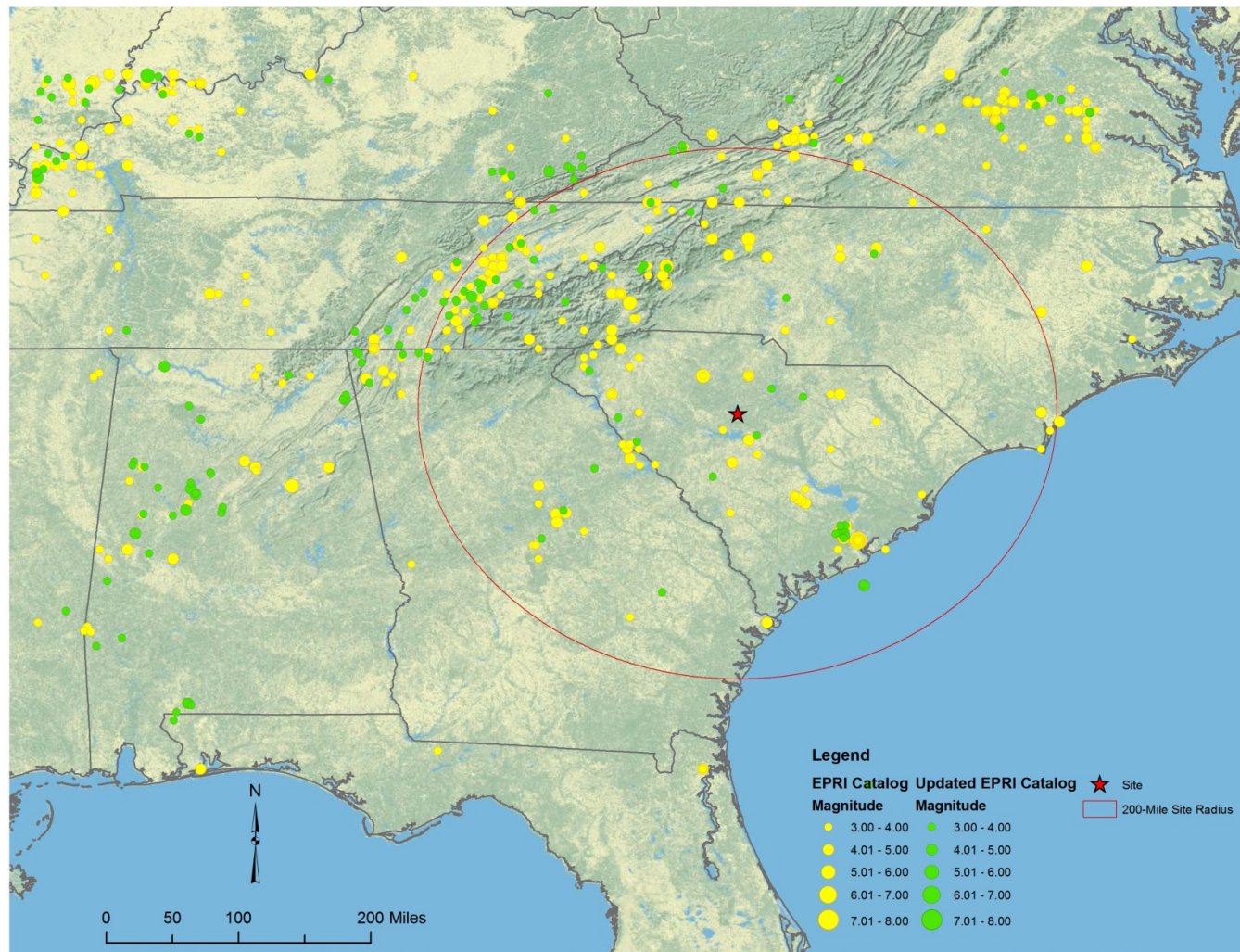


Figure 2.5.2-1. Comparison of Events ($m_b > 3$) from the EPRI Historical Catalog (Depicted by Yellow Circles) with Events from the Applicant's Updated Catalog (Depicted by Green Circles)

V.C. Summer Nuclear Station
Units 2 and 3

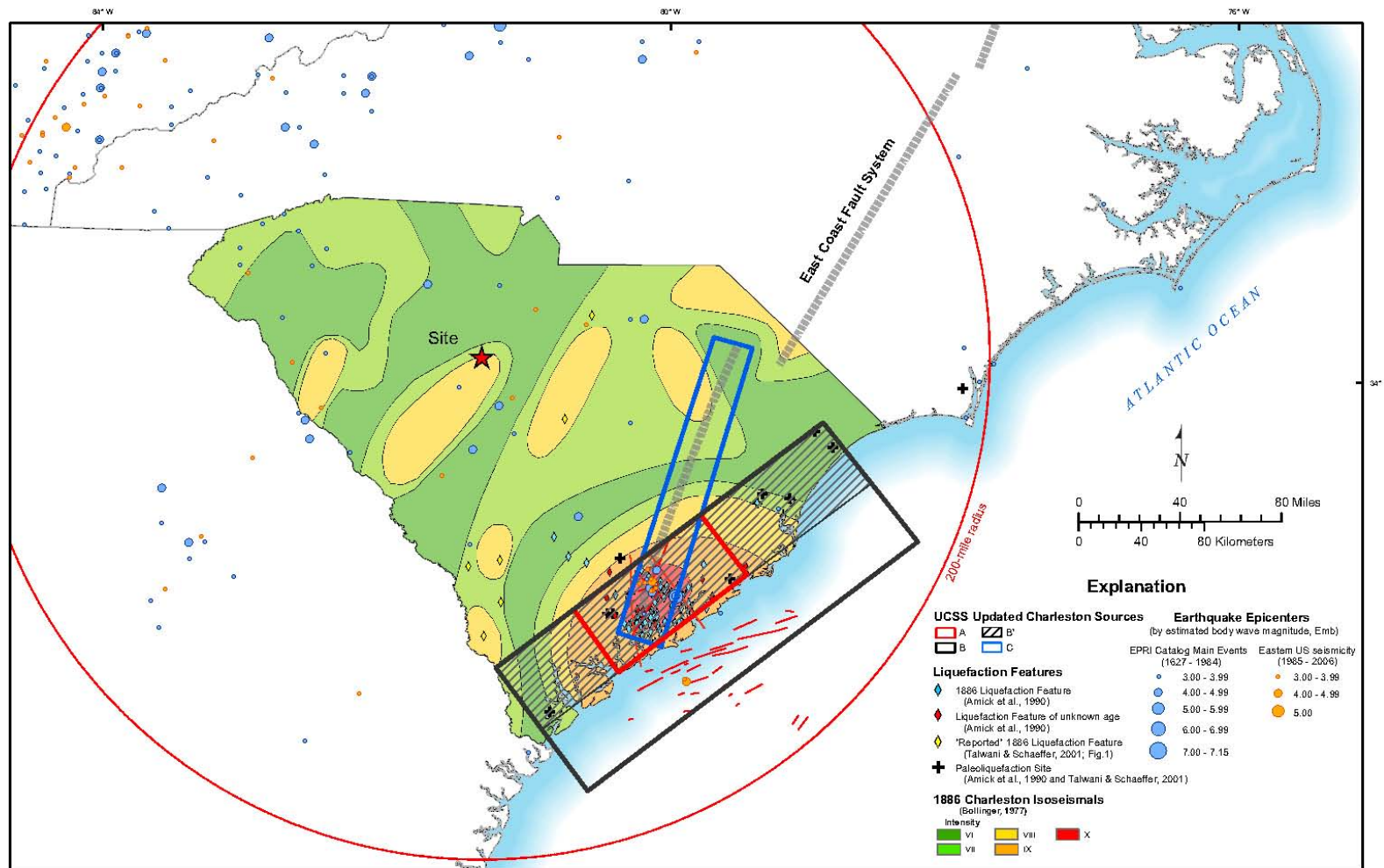


Figure 2.5.2-2. UCSS Model
(Reproduced from VCSNS COL FSAR Figure 2.5.2-213)

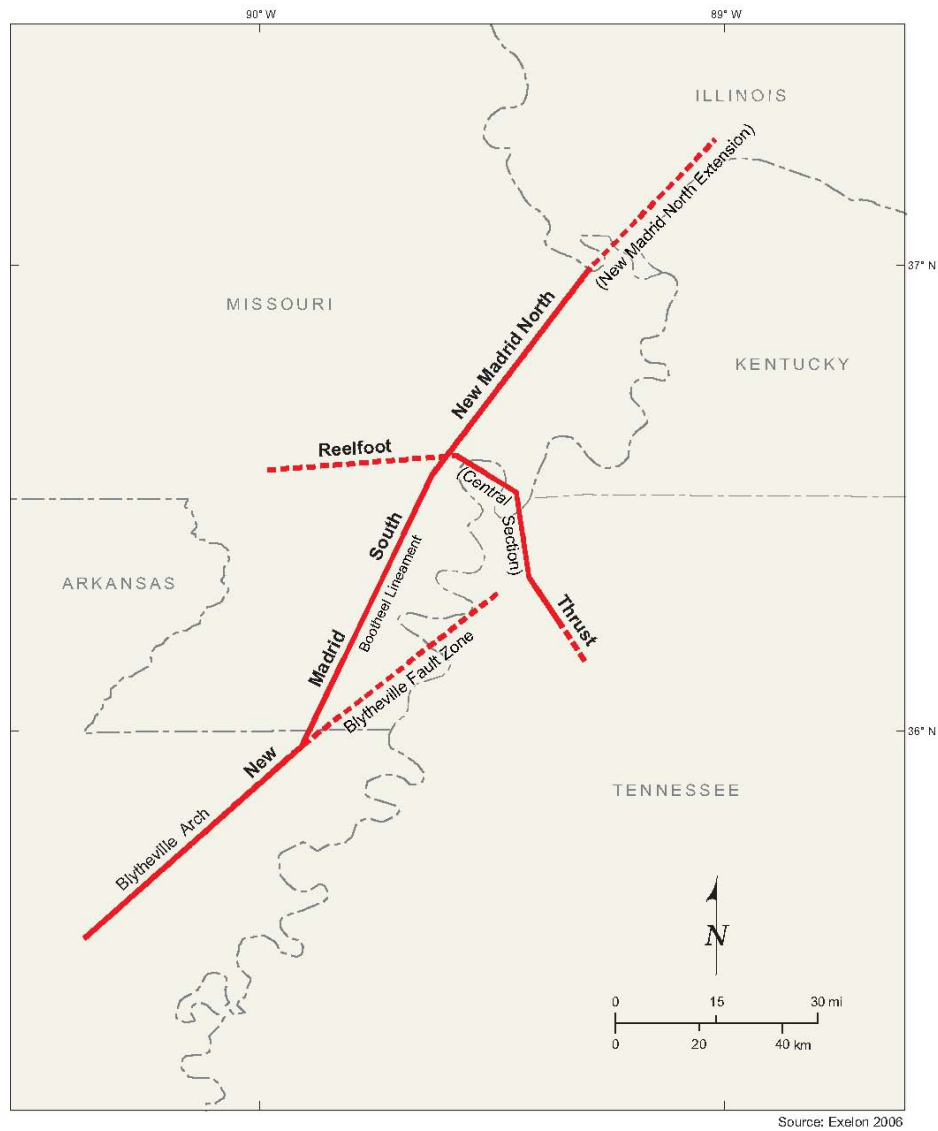


Figure 2.5.2-3. New Madrid Faults from the Clinton ESP Source Model
(Reproduced from VCSNS COL FSAR Figure 2.5.2-217)

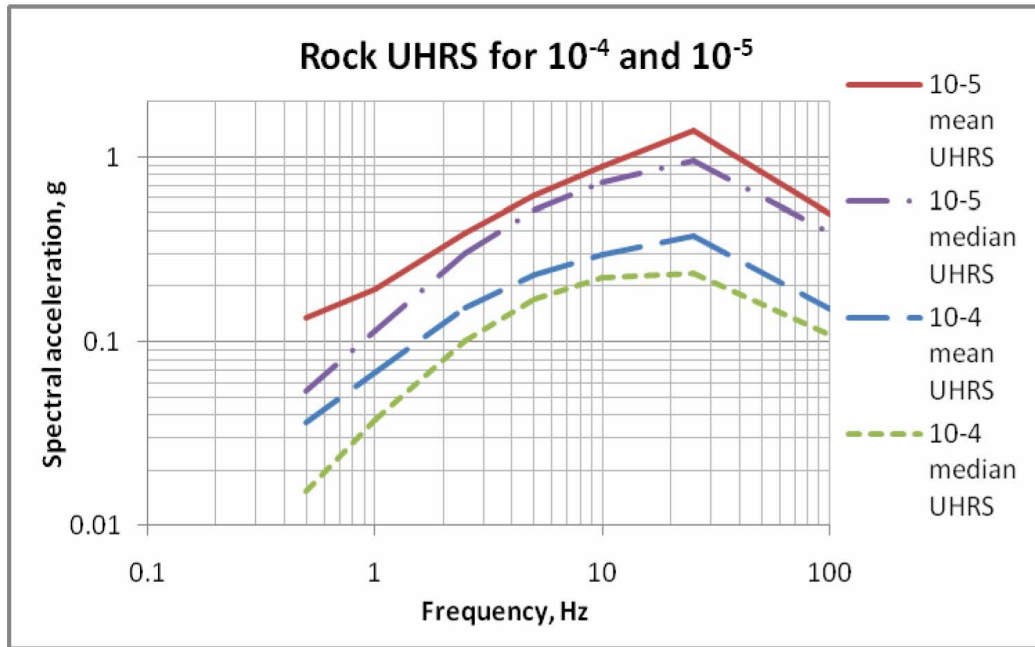


Figure 2.5.2-4. Mean and Median Uniform Hazard Response Spectra
(Reproduced from VCSNS COL FSAR Figure 2.5.2-235)

5hz + 10hz, 1E-4

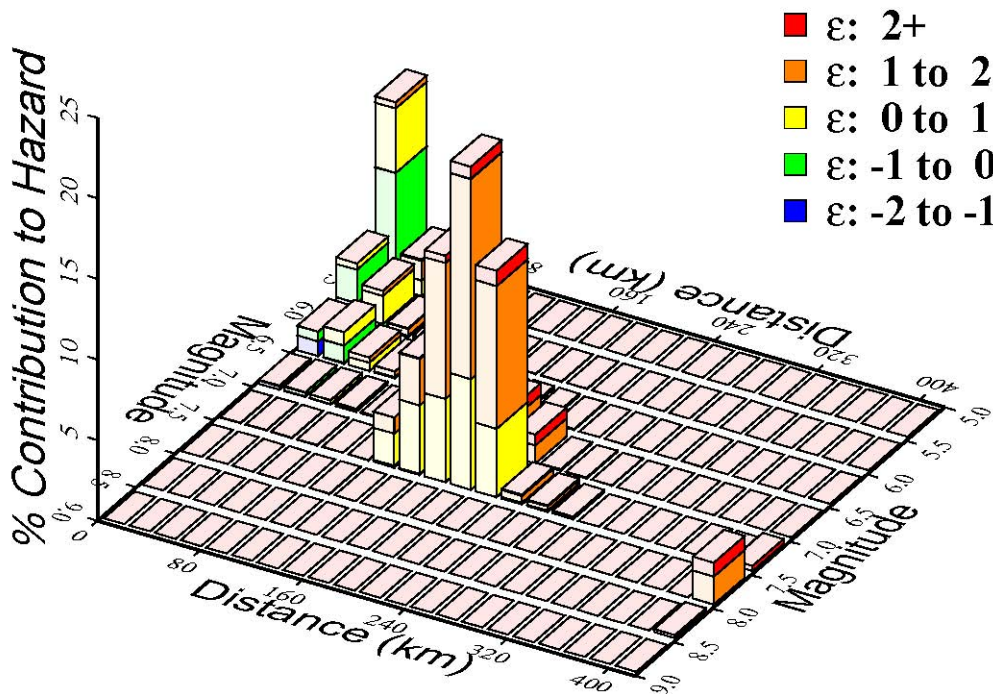


Figure 2.5.2-5. High-frequency (5 to 10 Hz) 10^{-4} Hazard Deaggregation
(Reproduced from VCSNS COL FSAR Figure 2.5.2-237)

1hz + 2.5hz, 1E-4

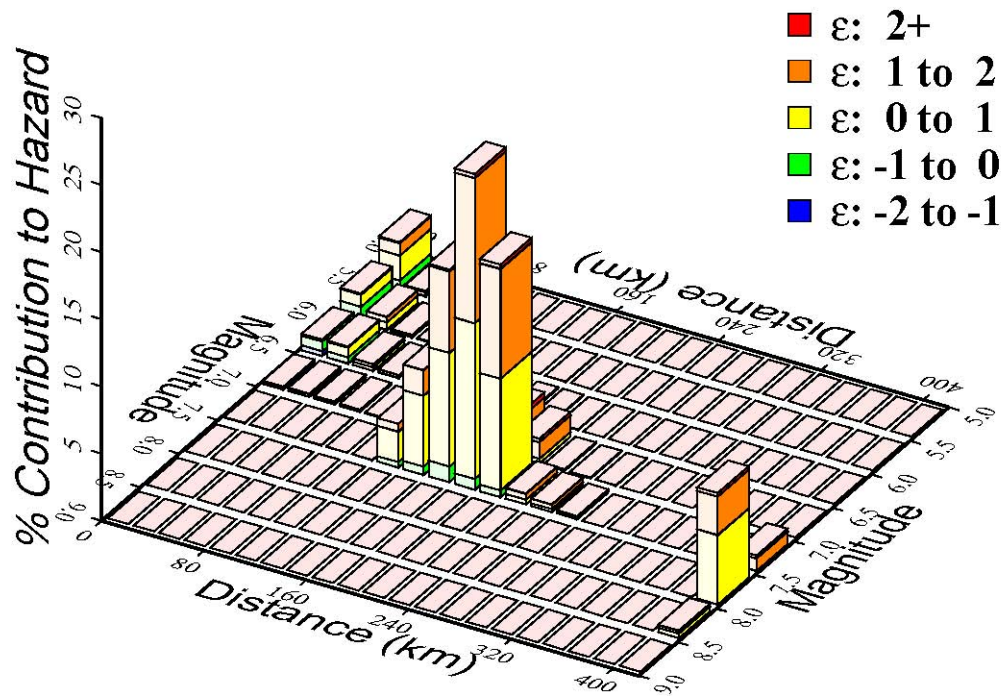


Figure 2.5.2-6. Low-frequency (1 to 2.5 Hz) 10^{-4} Hazard Deaggregation
(Reproduced from VCSNS COL FSAR Figure 2.5.2-236)

5hz + 10hz, 1E-5

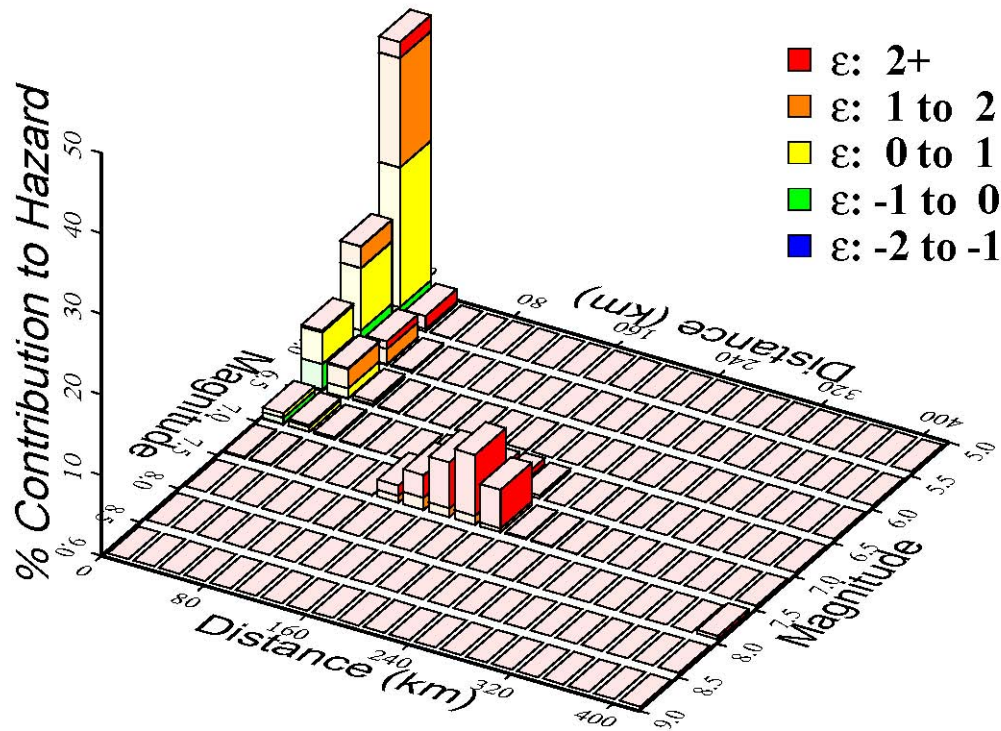


Figure 2.5.2-7. High-frequency (5 to 10 Hz) 10^{-5} Hazard Deaggregation
(Reproduced from VCSNS COL FSAR Figure 2.5.2-239)

1hz + 2.5hz, 1E-5

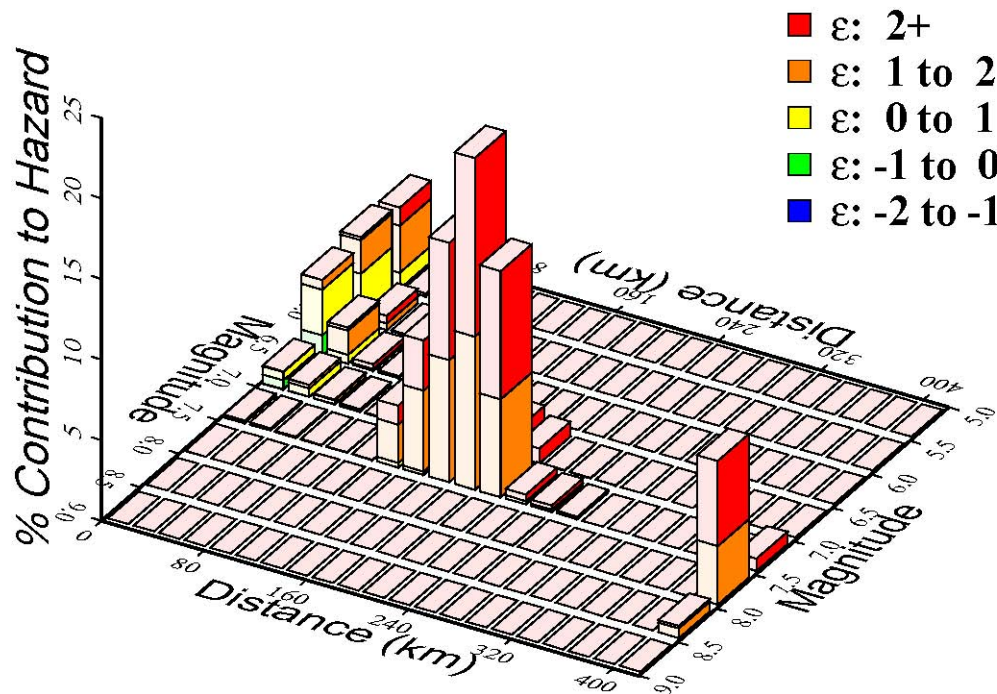


Figure 2.5.2-8. Low-frequency (1 to 2.5 Hz) 10^{-5} Hazard Deaggregation
(Reproduced from VCSNS COL FSAR Figure 2.5.2-238)

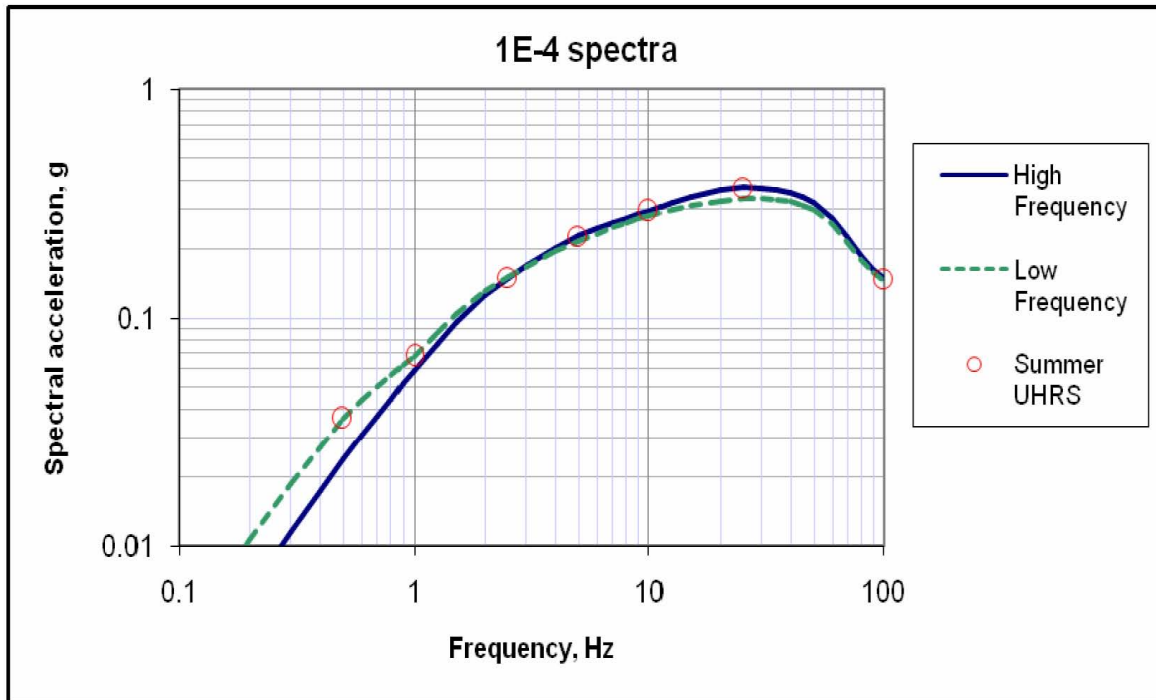


Figure 2.5.2-9. 10^{-4} Hard Rock UHRS (Depicted by Red Circles) and 10^{-4} High- and Low-Frequency Response Spectra (Depicted by Solid Blue and Dashed Green Curves, Respectively)
(Reproduced from VCSNS COL FSAR Figure 2.5.2-242)

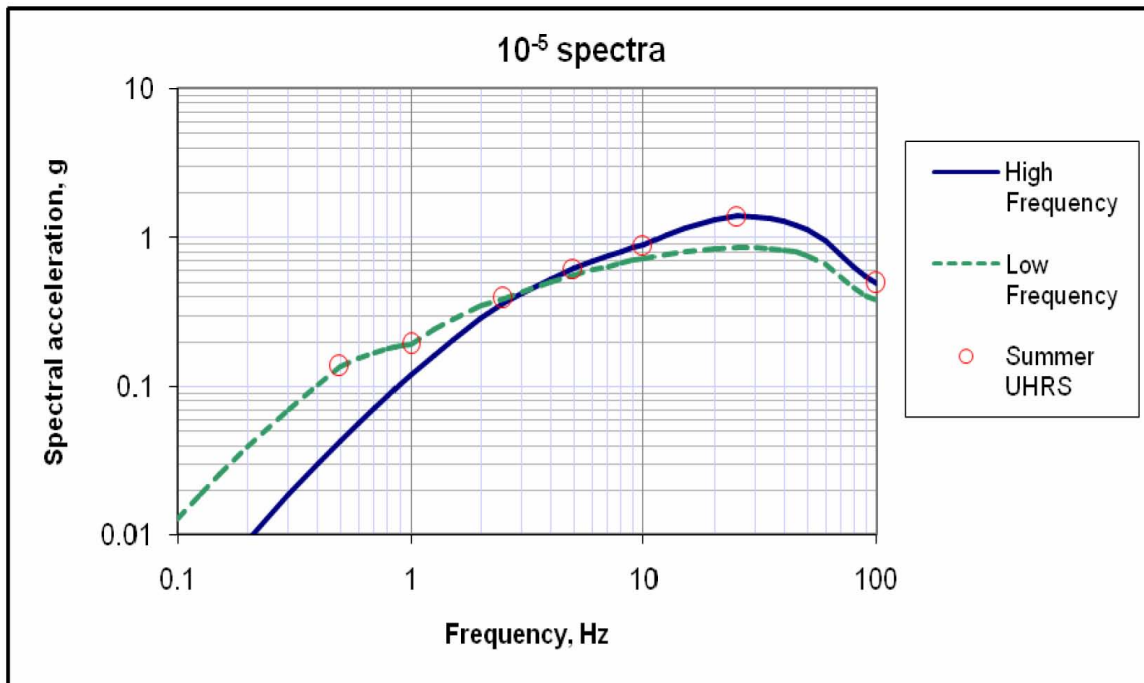


Figure 2.5.2-10. 10⁻⁵ Hard Rock UHRS (Depicted by Red Circles) and 10⁻⁵ High- and Low-Frequency Response Spectra (Depicted by Solid Blue and Dashed Green Curves, Respectively)

(Reproduced from VCSNS COL FSAR Figure 2.5.2-243)

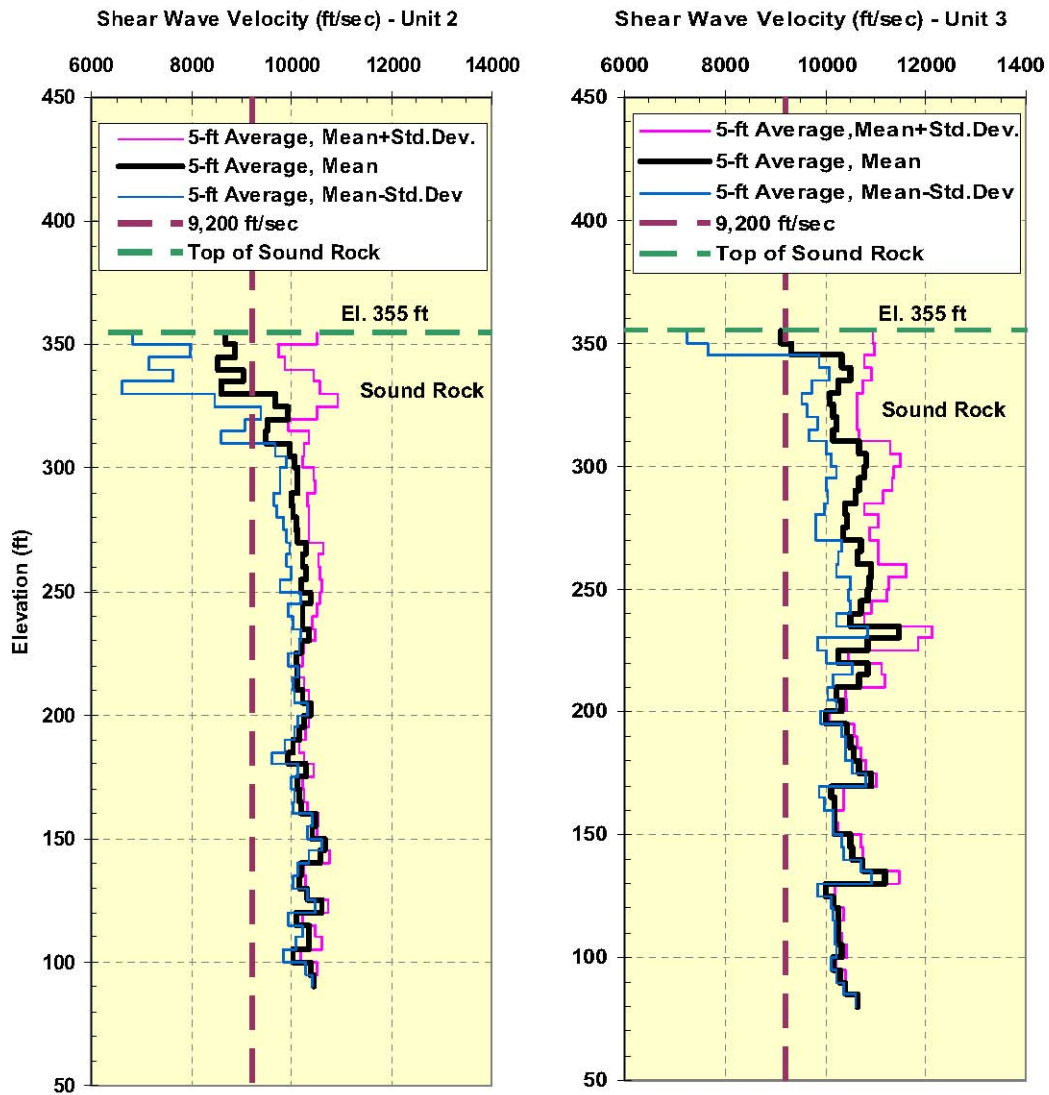


Figure 2.5.2-11. S-wave Velocity Profile for the VCSNS Unit 2 (Left) and Unit 3 (Right) Site
(Reproduced from VCSNS COL FSAR Figure 2.5.4-226)

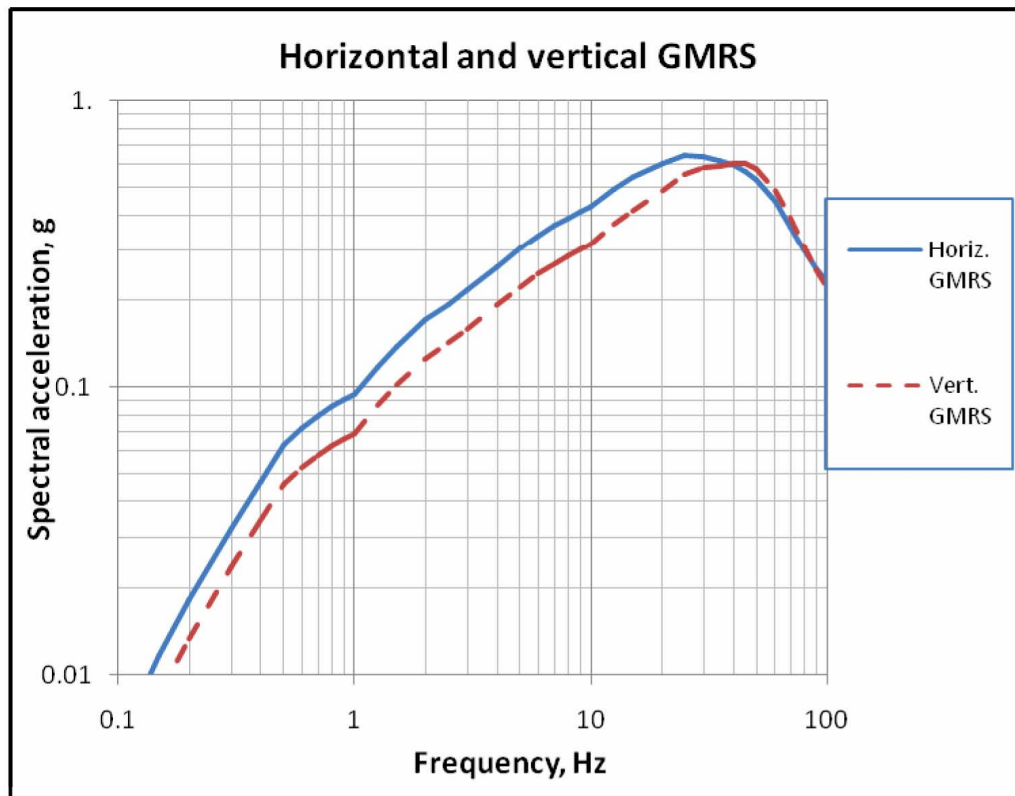


Figure 2.5.2-12. Horizontal (Solid Blue Curve) and Vertical (Dashed Red Curve) GMRS
(Reproduced from VCSNS COL FSAR Figure 2.5.4-246)