

Figure 2.5-59—{Updated Charleston Seismic Source (UCSS) Logic Tree with Weights for Each Branch Shown in Italics}

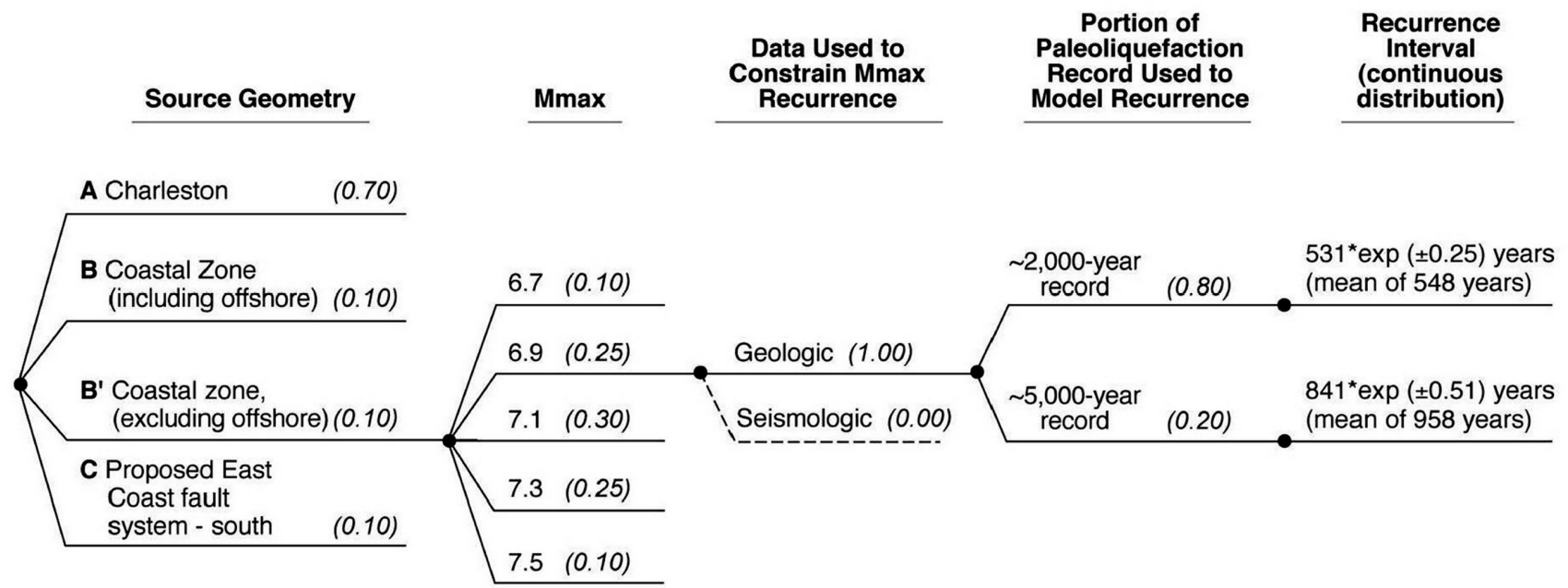
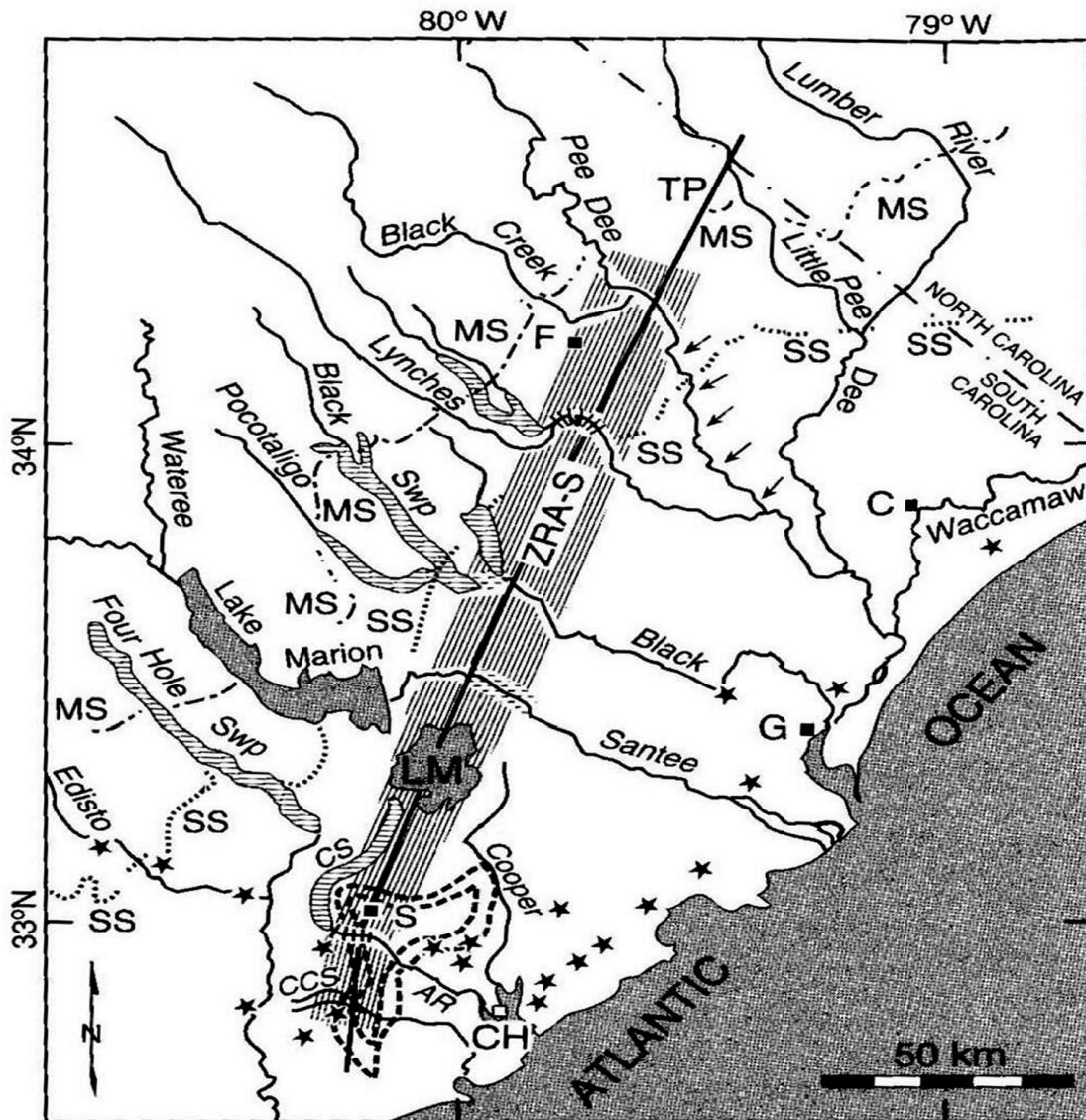


Figure 2.5-60—{Map of ZRA-S}



LEGEND				
Incised river channel	Dissected flood plain	Anastomosing stream patterns	Mechanicsville scarp	Surry scarp

Map of ZRA-S. Figure shows southern zone of river anomalies (ZRA-S; striped area), anastomosing stream patterns, pre 1886 sand blow sites (stars), and topographic profile (TP, bold line) approximately along the ZRA-S axis. Arrows along Pee Dee River denote reach flowing against southwest valley wall. Closed dashed contours near Summerville are highest intensity isoseismals of the 1886 Charleston, South Carolina, earthquake (from Dutton, 1889). Abbreviations are as follows: AR - Ashley River, C - Conway; CCS - Caw Caw Swamp; CH - Charleston; CS - Cypress Swamp; F - Florence; G - Georgetown; LM - Lake Moultrie; MS - Mechanicsville littoral scarp; S - Summerville; SS - Surry littoral scarp.

Figure 2.5-61—{Region Surrounding CCNPP Unit 3 Site Showing Rondout Source 29, A 200 km Square Background, A 400 km Square Background, and Historical Earthquakes}

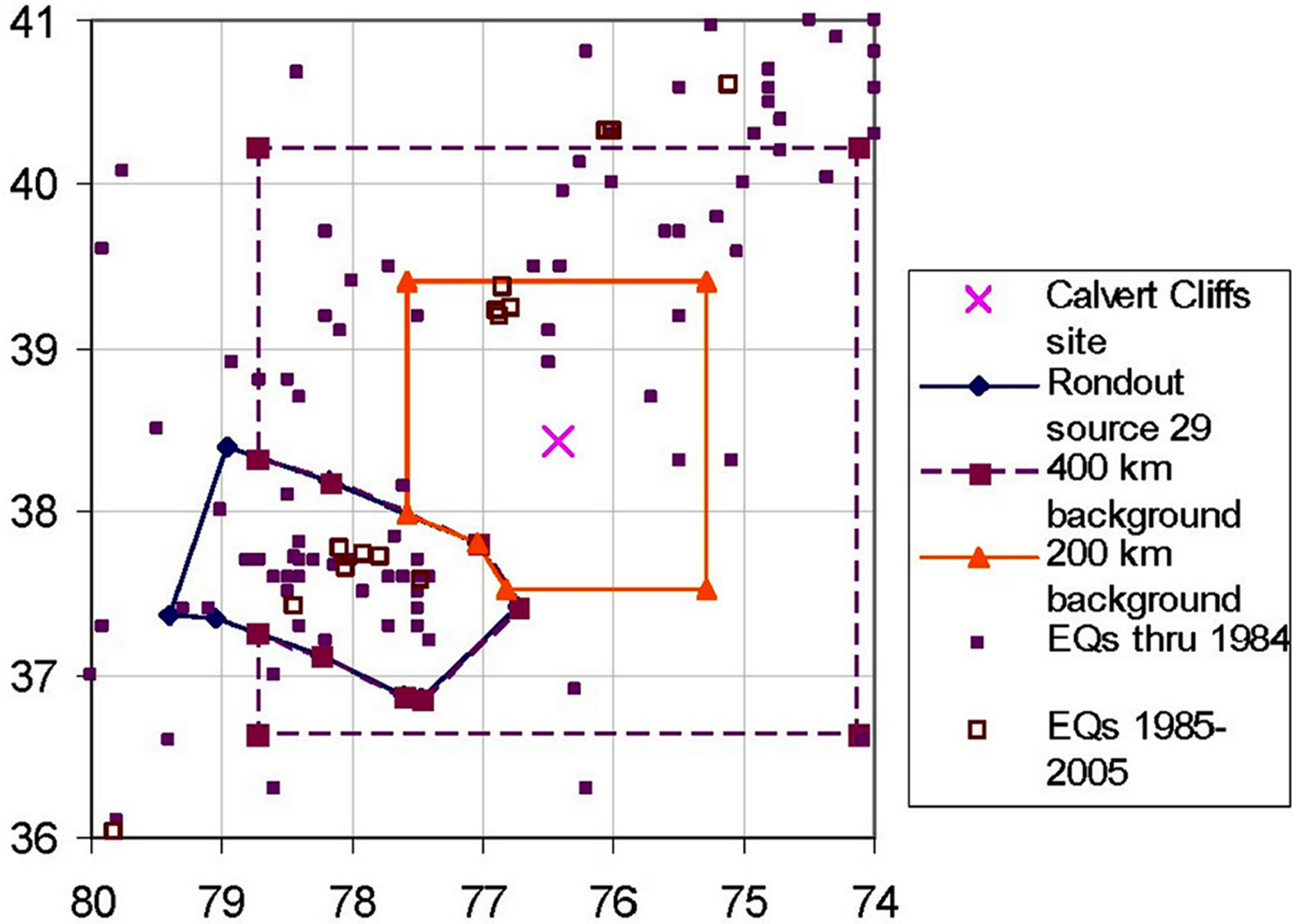


Figure 2.5-62—{Comparison of Seismicity Rate for 200 km Square Background Surrounding CCNPP Unit 3 Site, Using EPRI-SOG Earthquake Catalog and Using Earthquake Catalog Updated Through 2005}

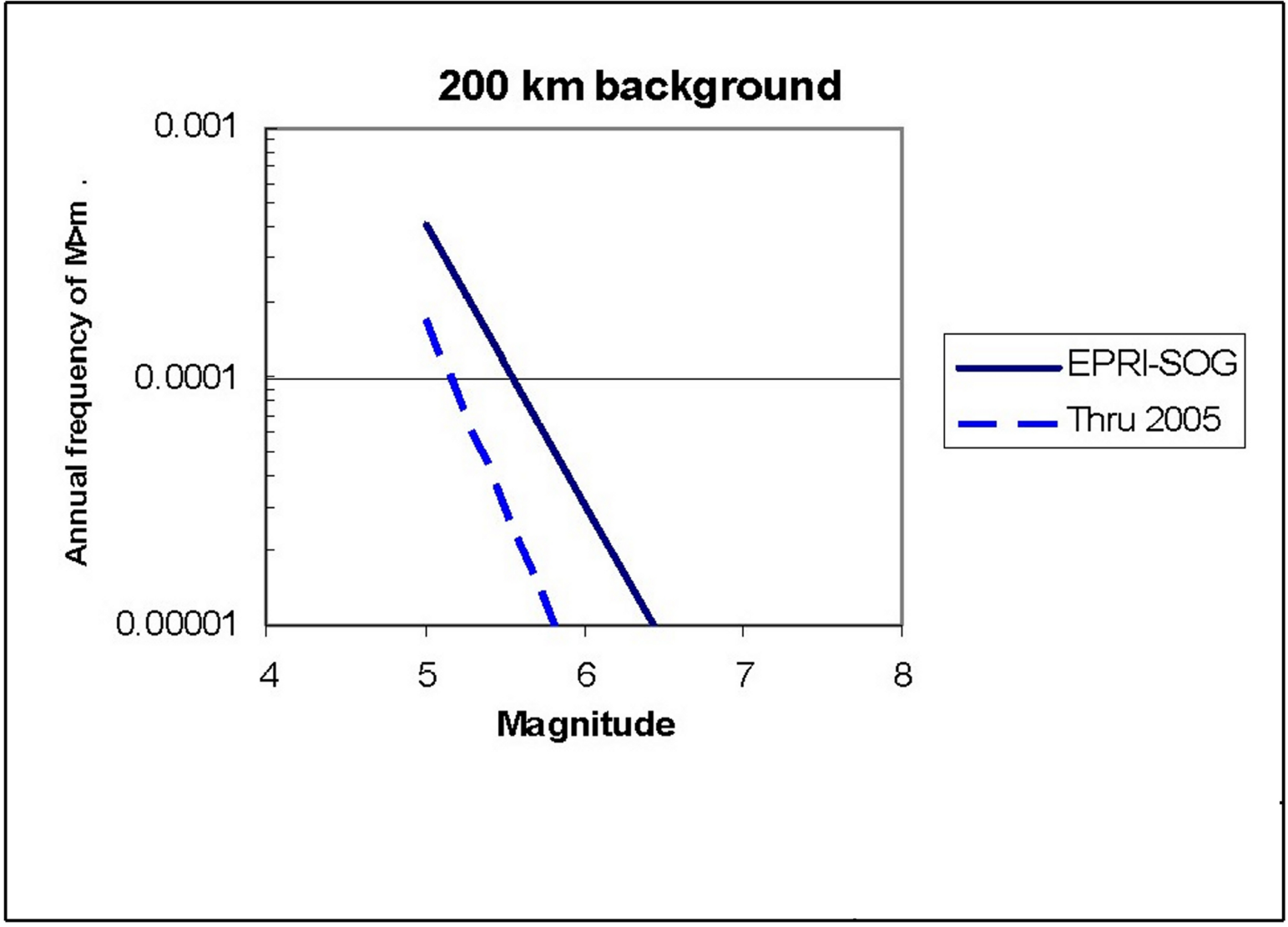


Figure 2.5-63—{Comparison of Seismicity Rate for 400 km Square Background Surrounding CCNPP Unit 3 Site, Using EPRI-SOG Earthquake Catalog and Using the Earthquake Catalog Updated Through 2005}

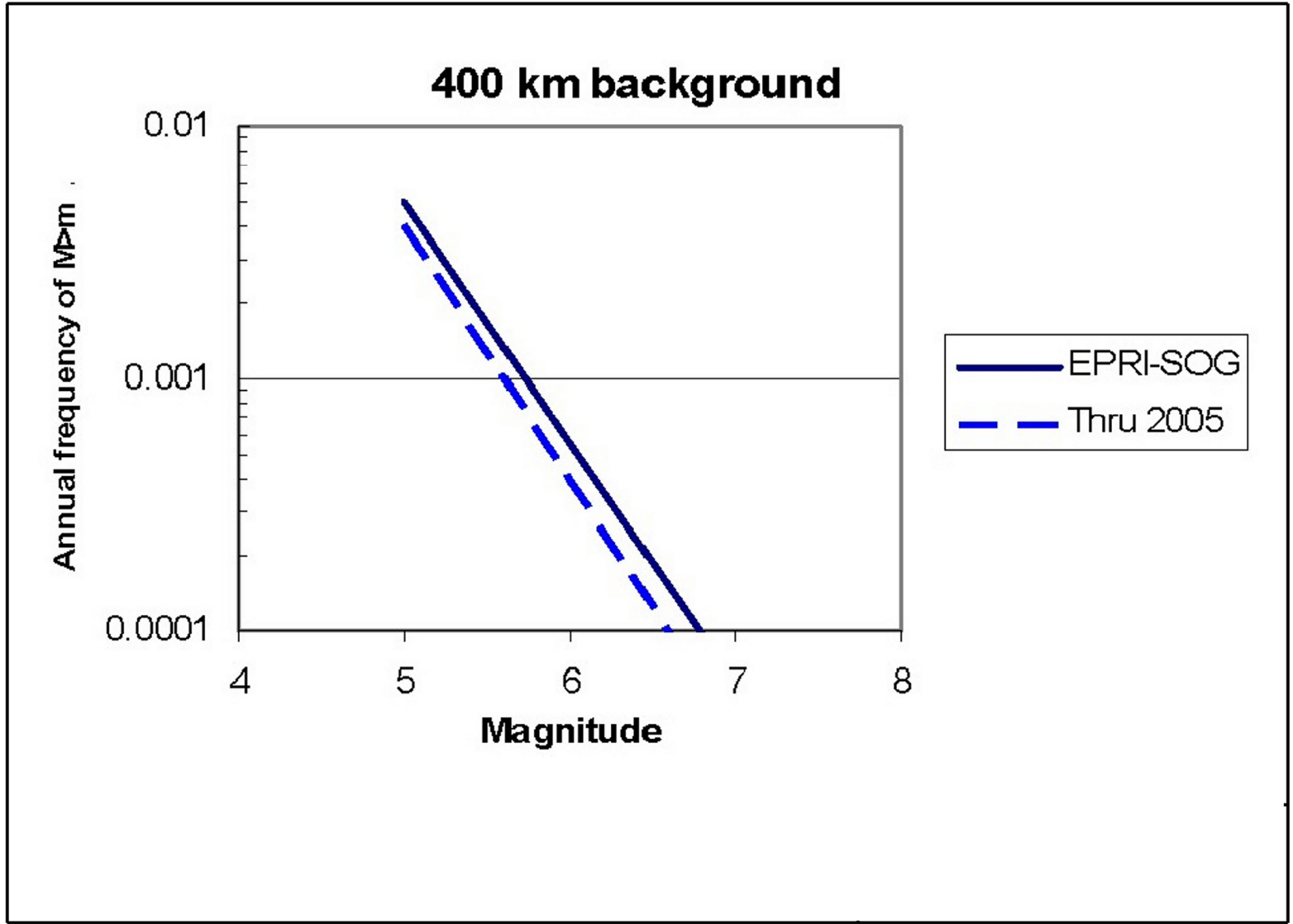


Figure 2.5-64—{Comparison of Seismicity Rate for Rondout Source 29, Using EPRI SOG Earthquake Catalog and Using Earthquake Catalog Updated Through 2005}

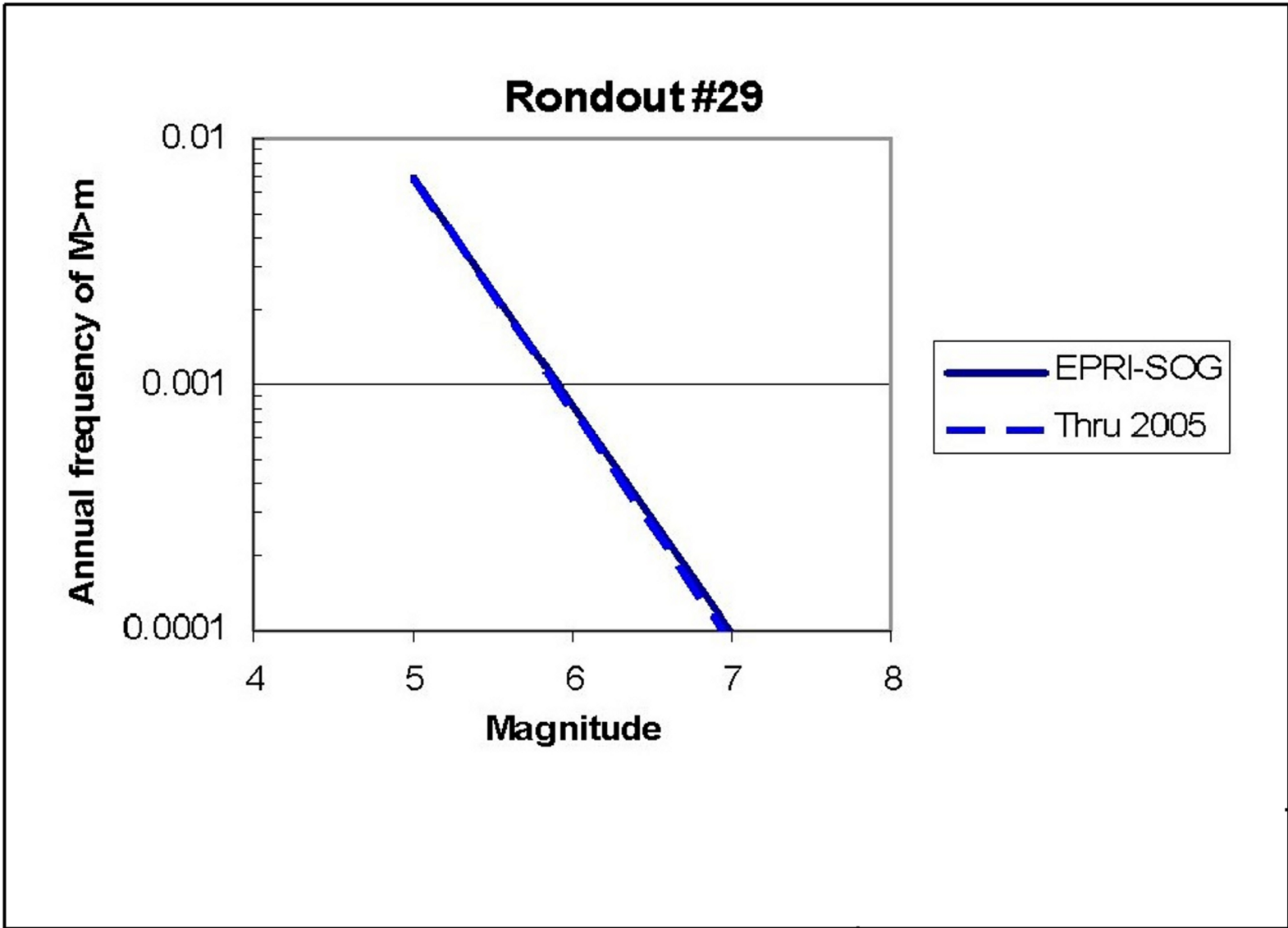


Figure 2.5-65—{Uniform Hazard Spectra for Rock Conditions at Seven Structural Frequencies for which Ground Motion Equations are Available}

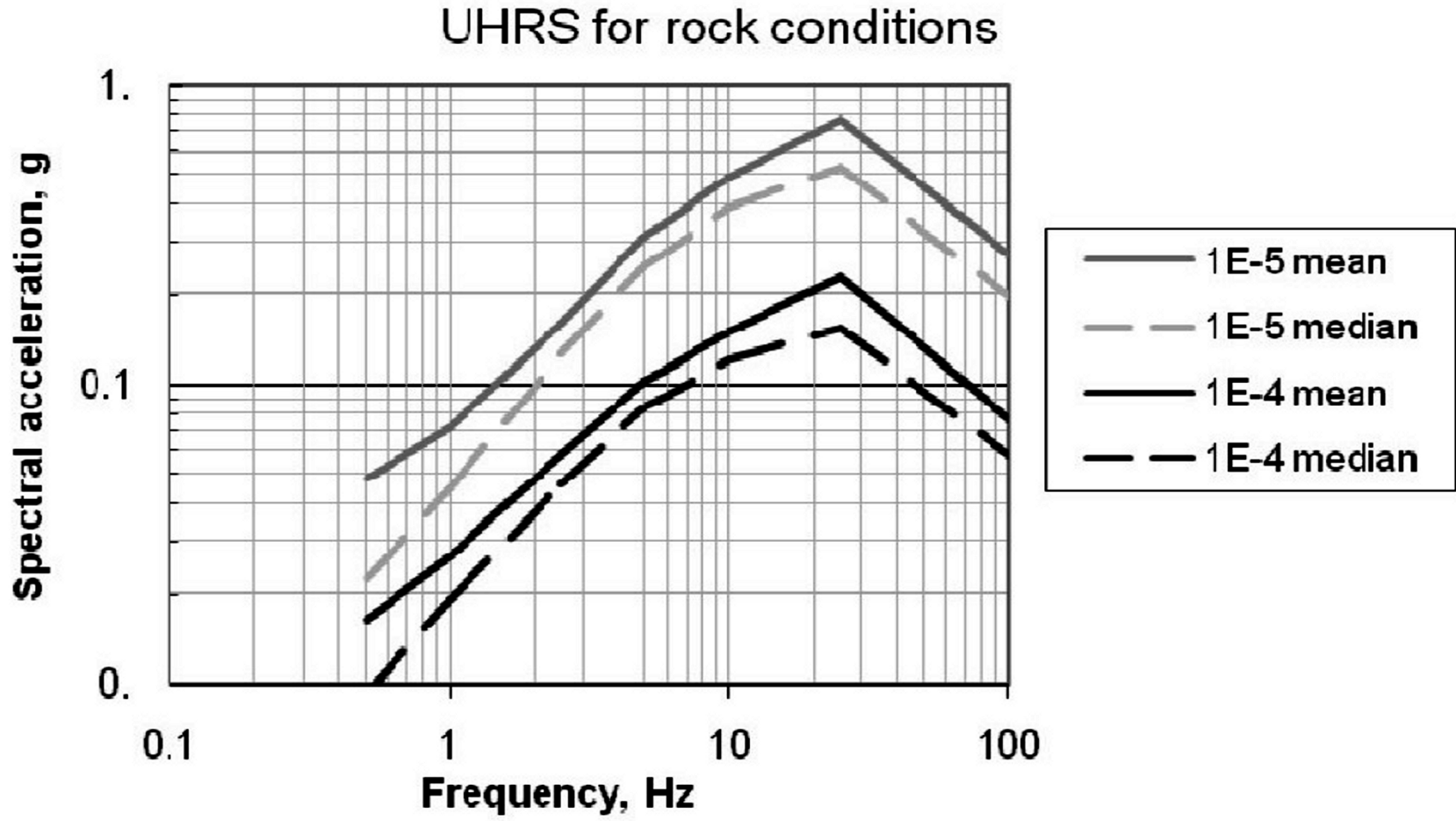
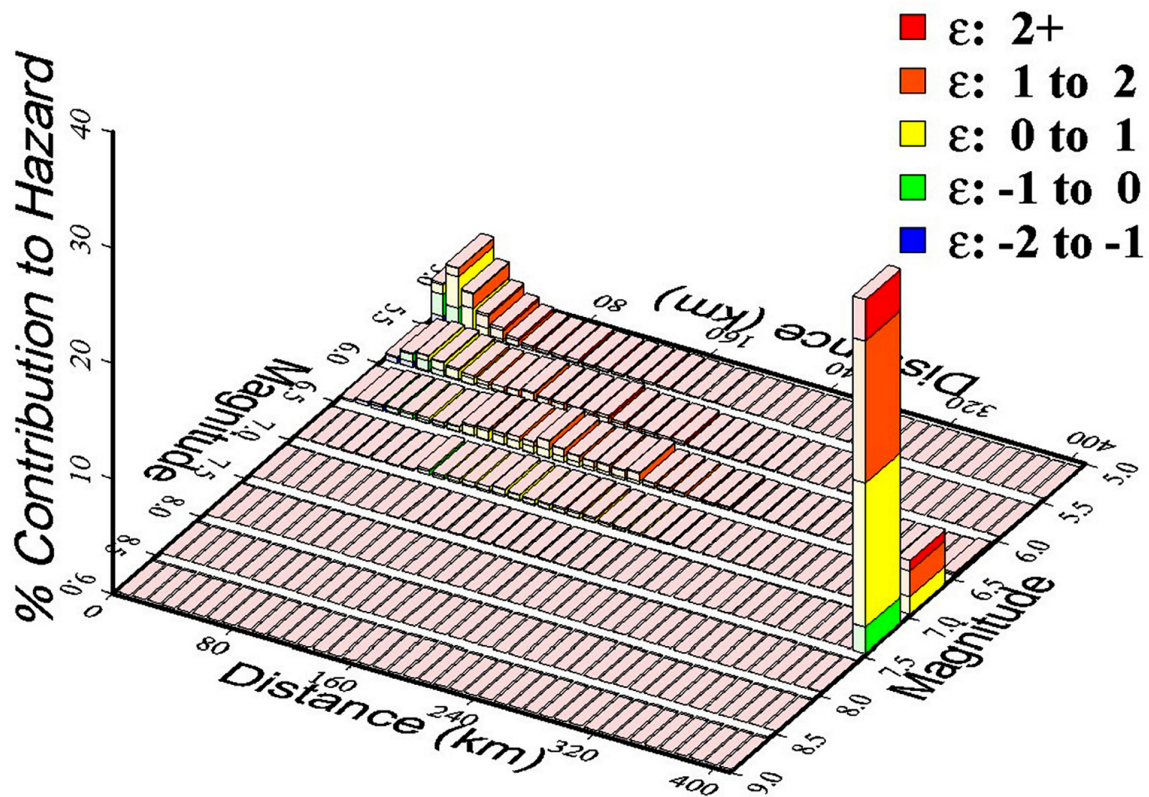


Figure 2.5-66—{Mean 10^{-4} Rock Deaggregation for 1 and 2.5Hz}

1hz + 2.5hz, 1E-4



NOTE: HAZARD FROM EVENTS FARTHER THAN 400 km IS PLOTTED IN THE 405 km BINS. THESE CONTRIBUTIONS ARE FROM THE CHARLESTON SOURCES, WHICH ARE APPROXIMATELY 650 km FROM THE CCNPP UNIT 3 SITE.