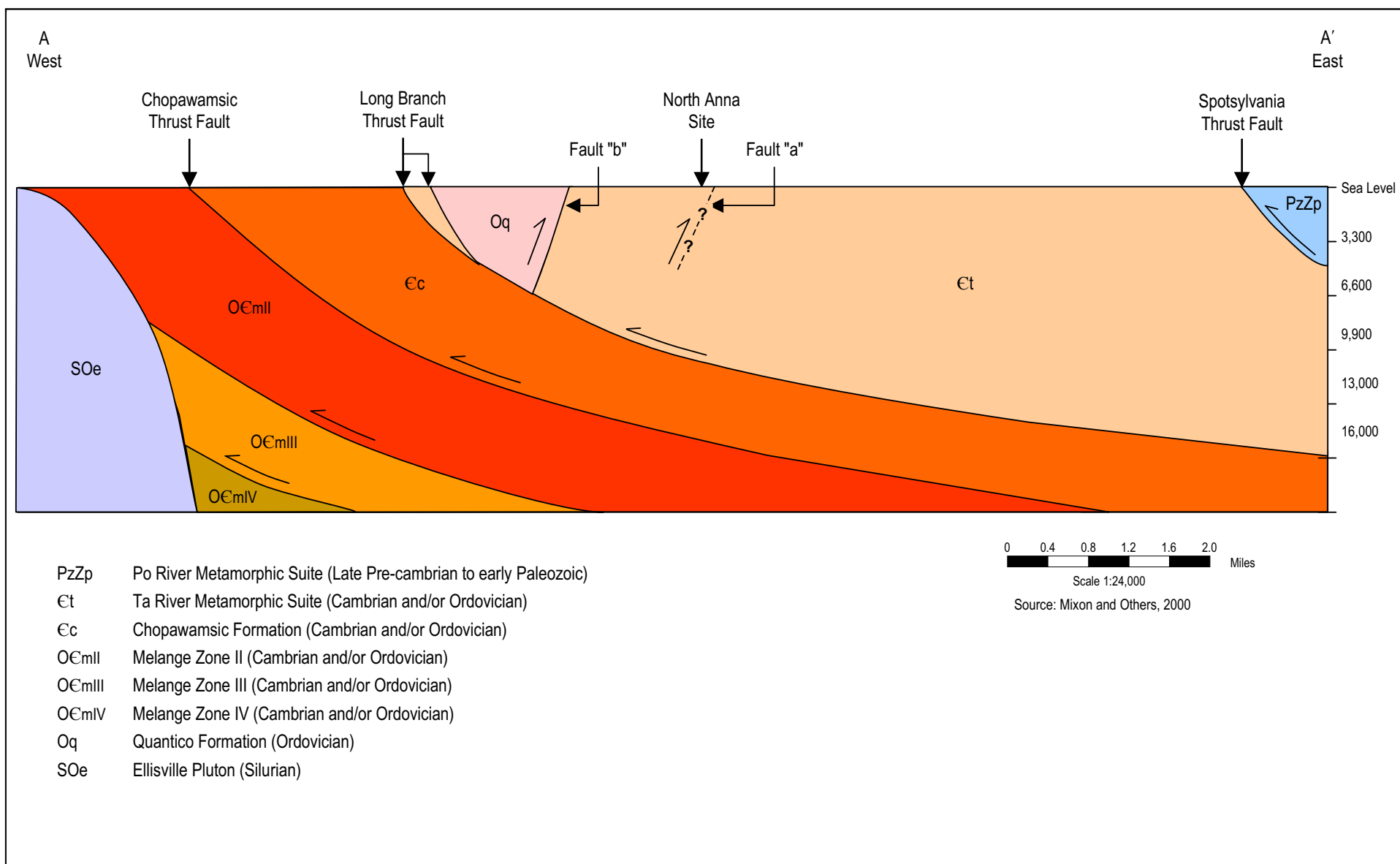


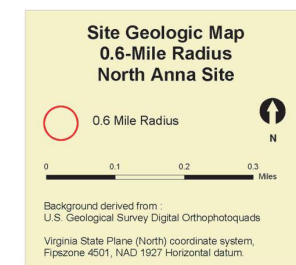
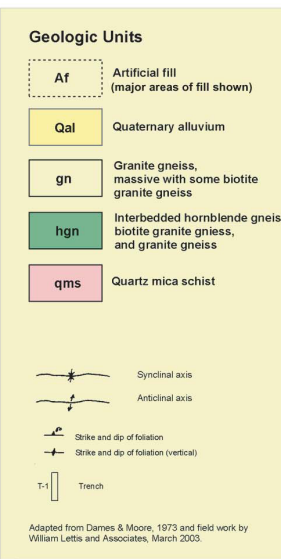
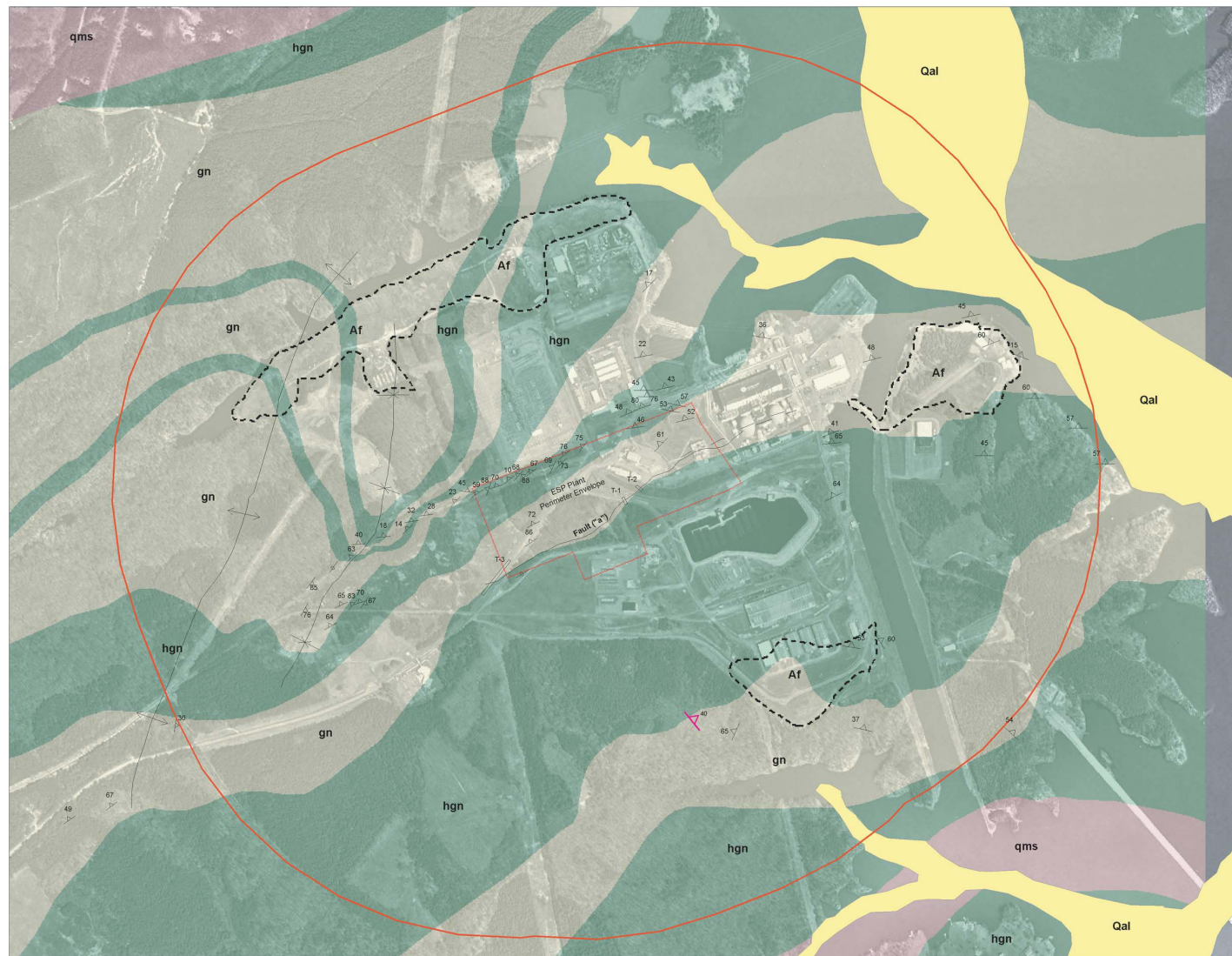
**Figure 2.5-16 Site Topographic Map (0.6-Mile Radius)**





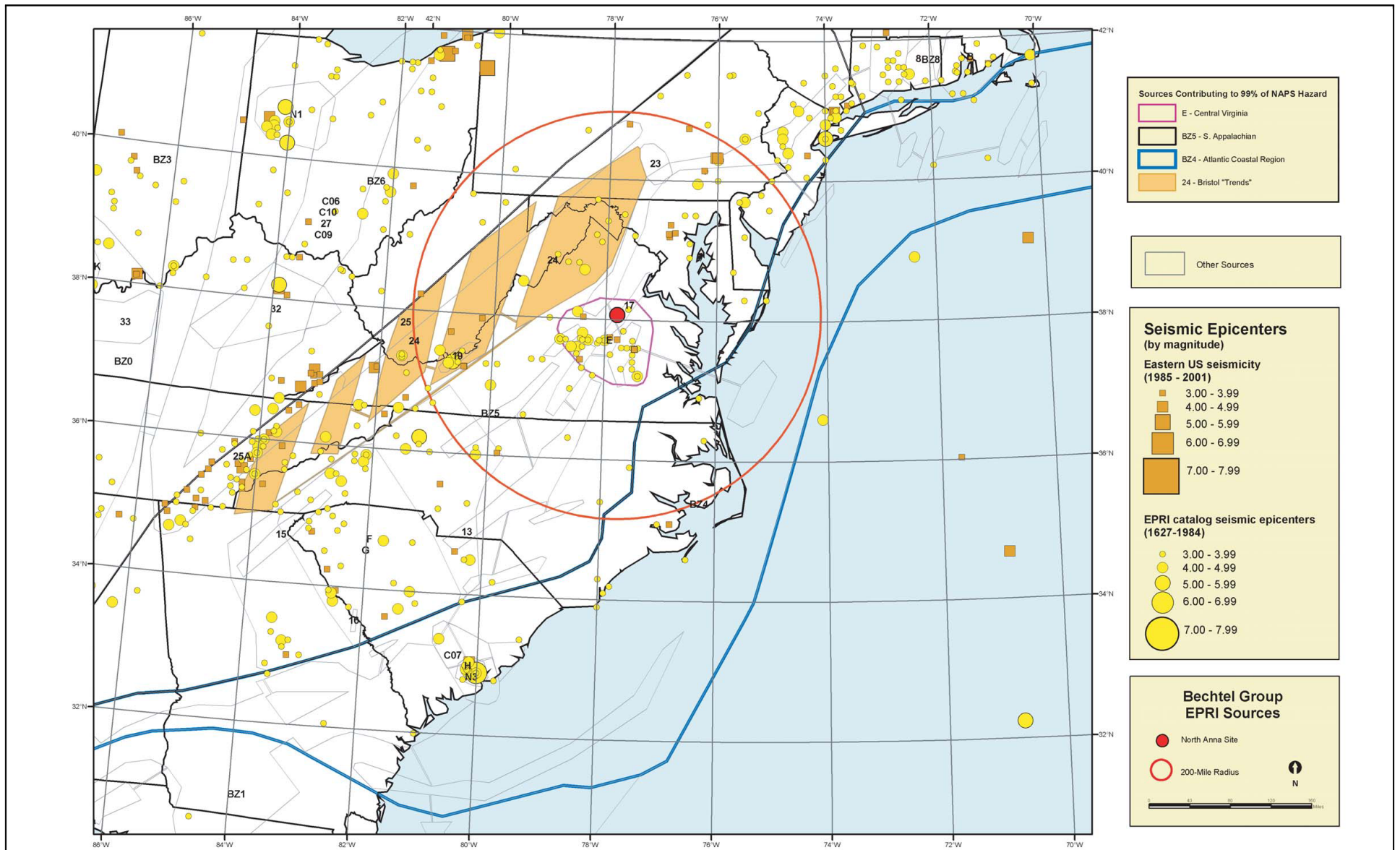
**Figure 2.5-17 Site Area Geologic Cross Section A-A' (5-Mile Radius)**





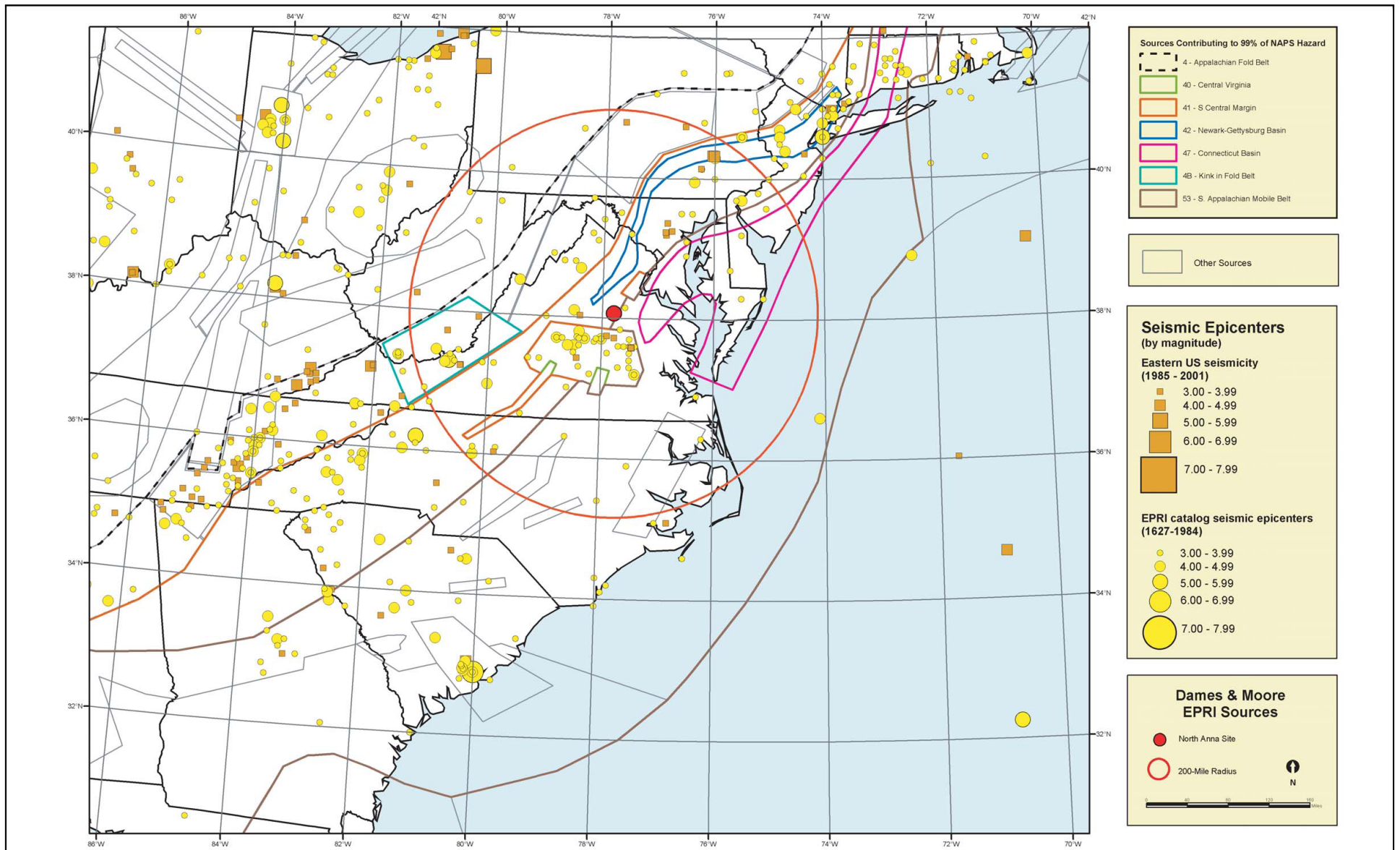
**Figure 2.5-18 Site Geologic Map (0.6-Mile Radius)**





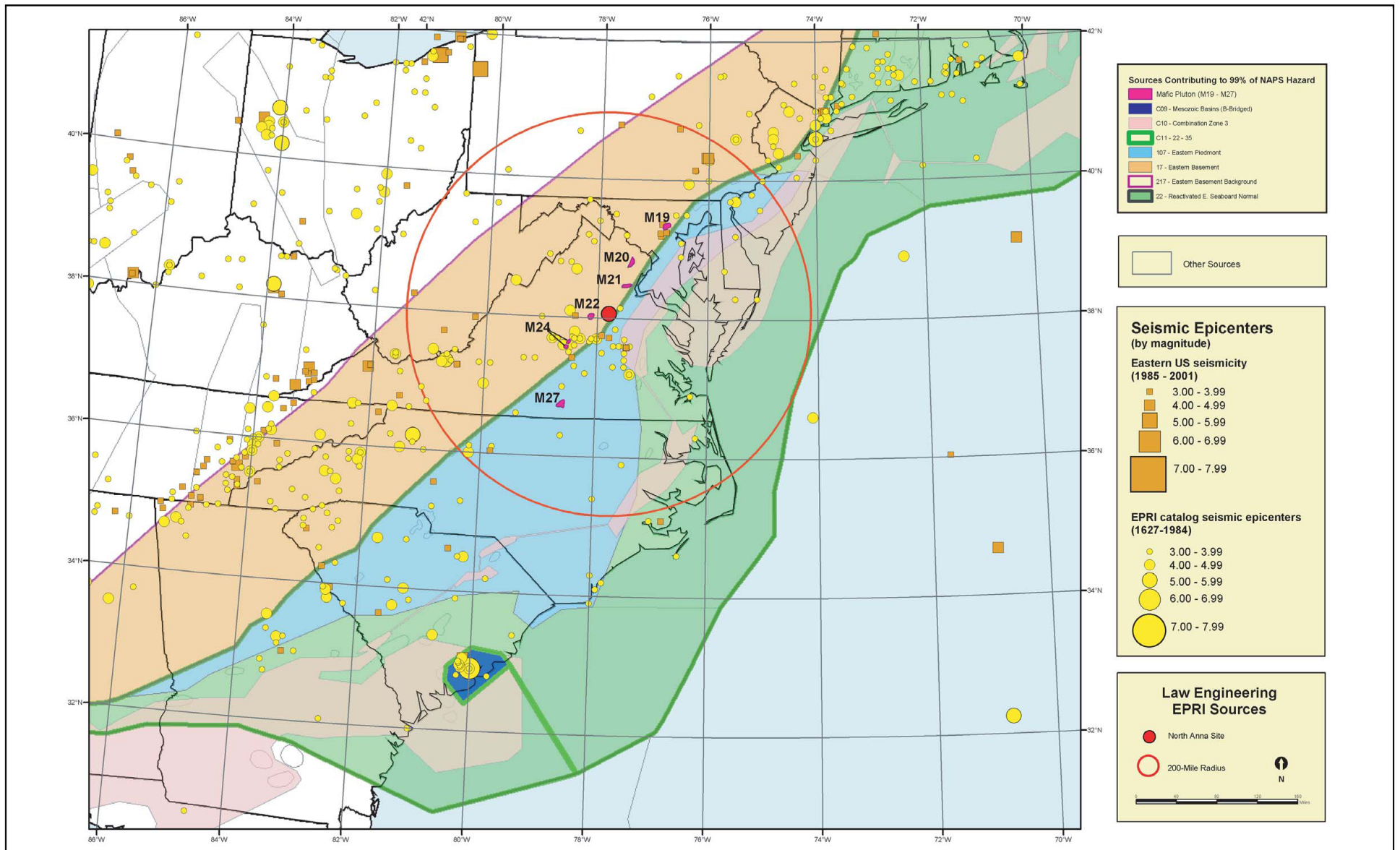
**Figure 2.5-19 Bechtel Group EPRI Sources**





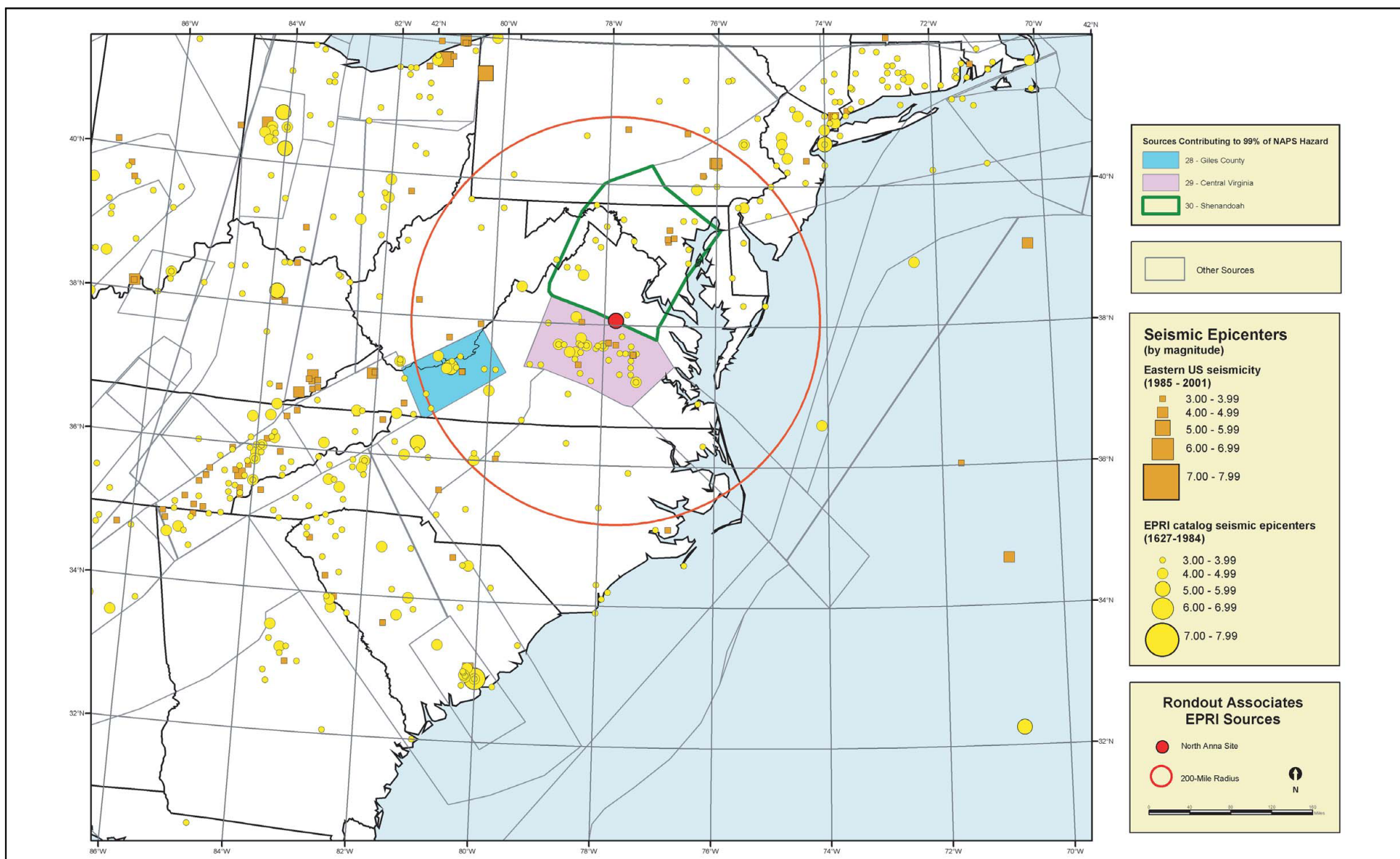
**Figure 2.5-20 Dames & Moore EPRI Sources**





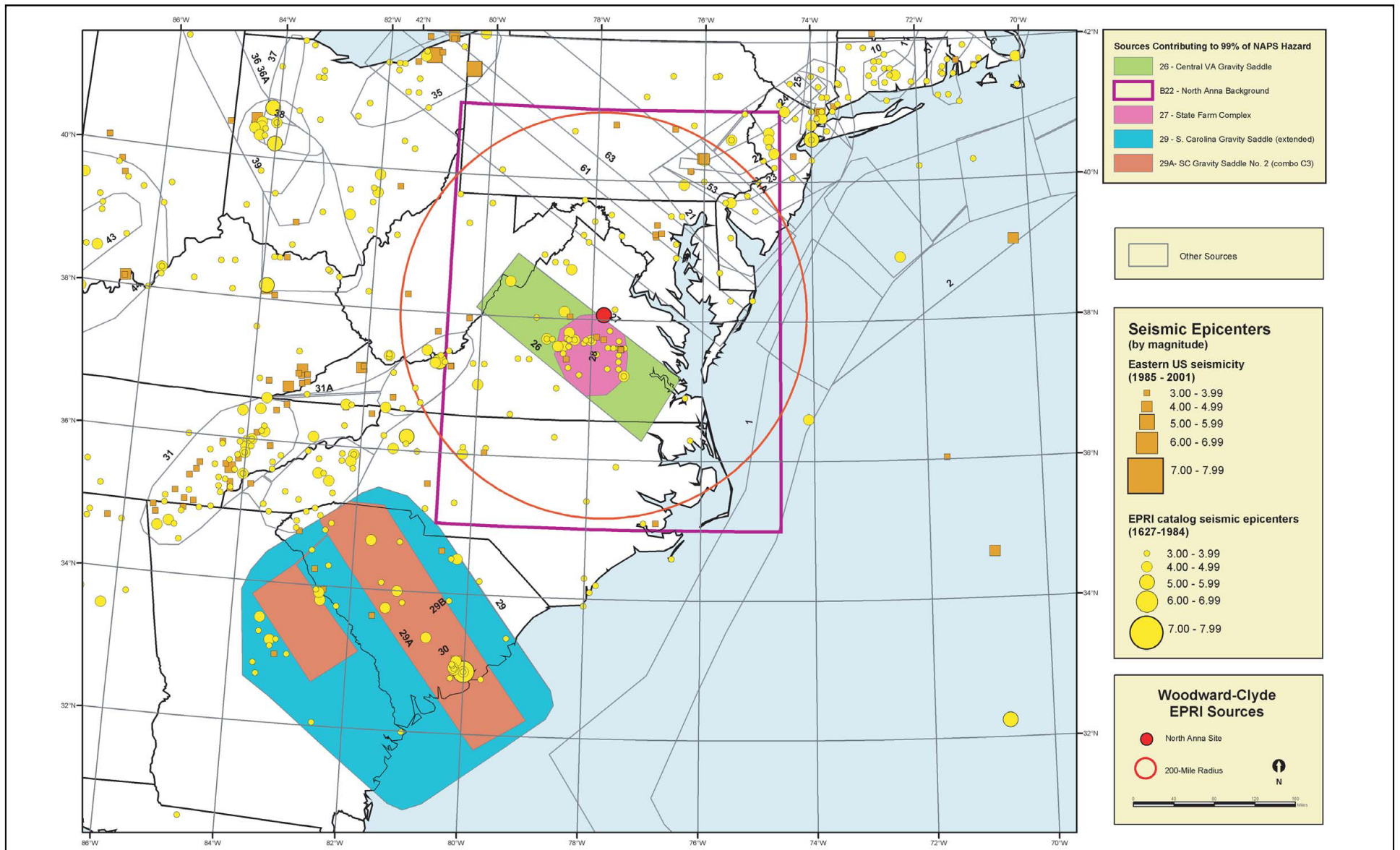
**Figure 2.5-21 Law Engineering EPRI Sources**



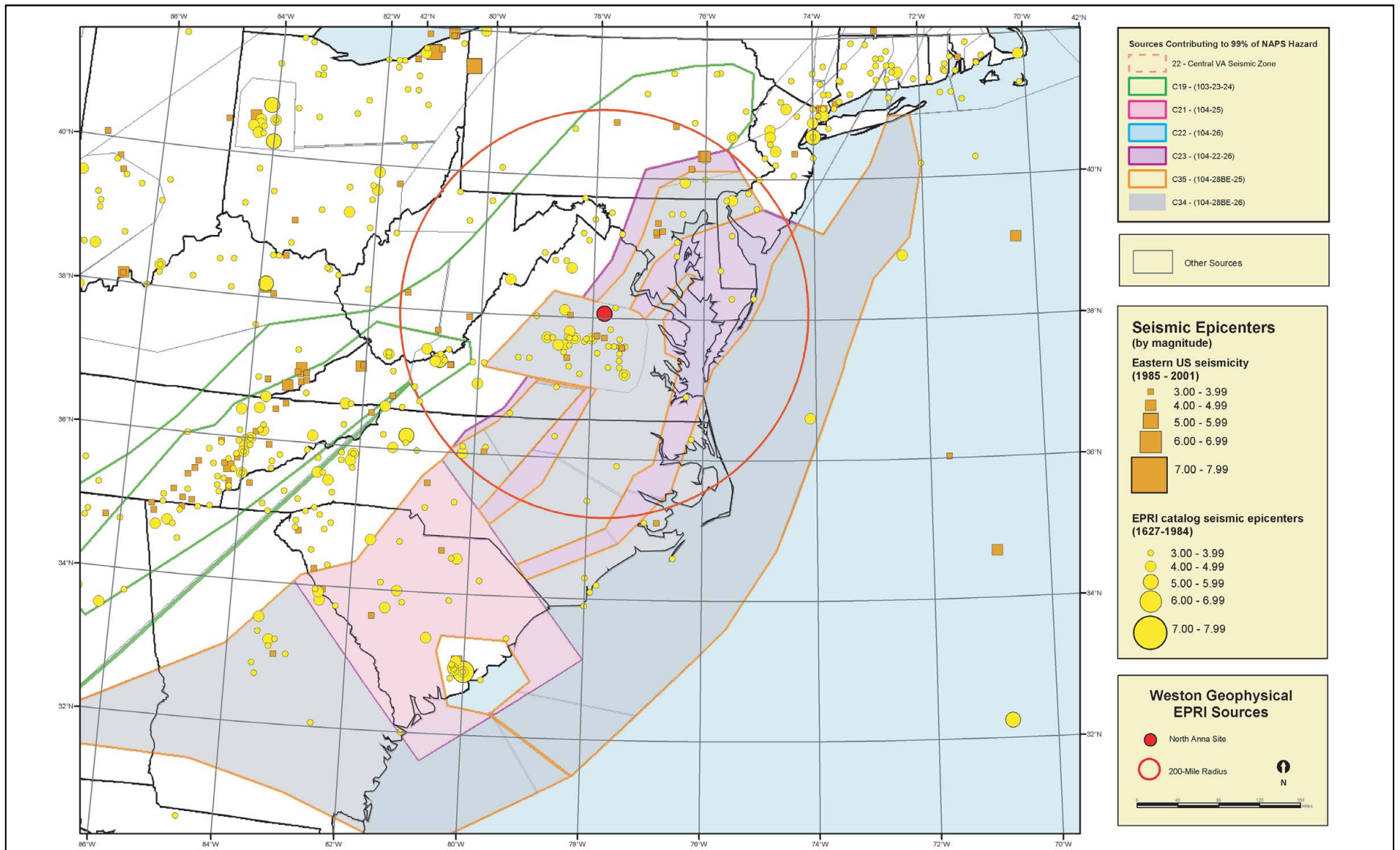


**Figure 2.5-22 Rondout Associates EPRI Sources**



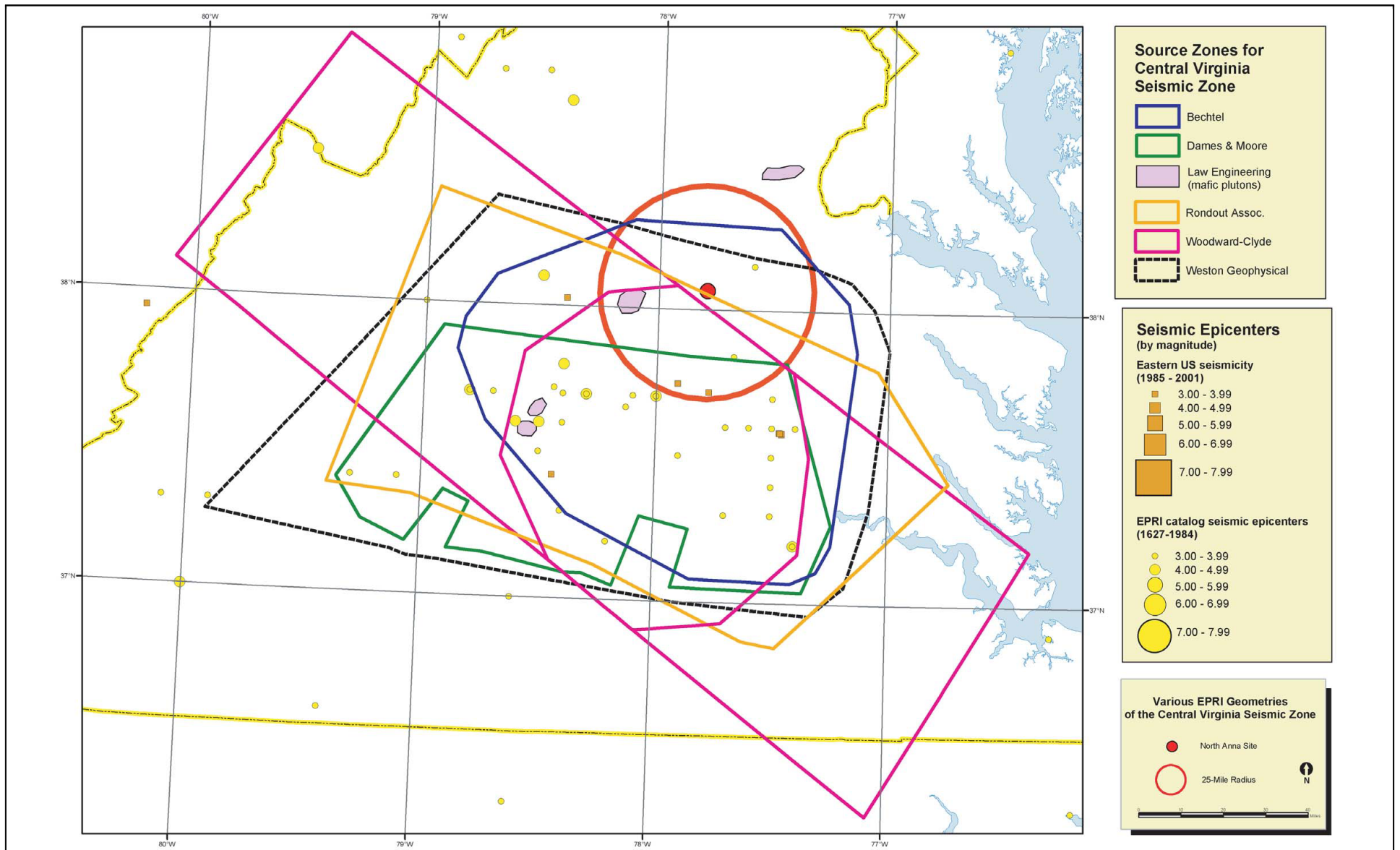


**Figure 2.5-23 Woodward-Clyde EPRI Sources**

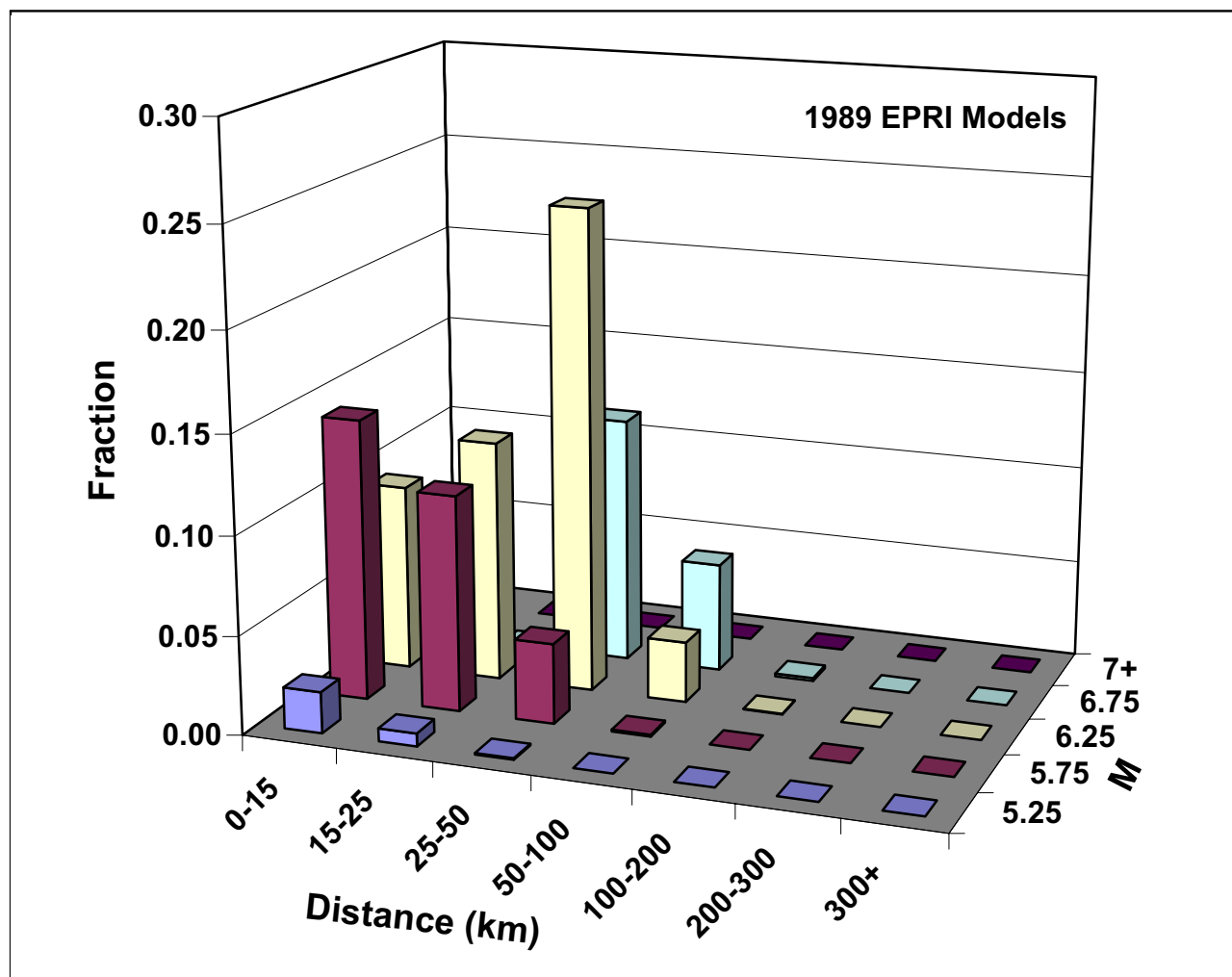


**Figure 2.5-24 Weston EPRI Sources**



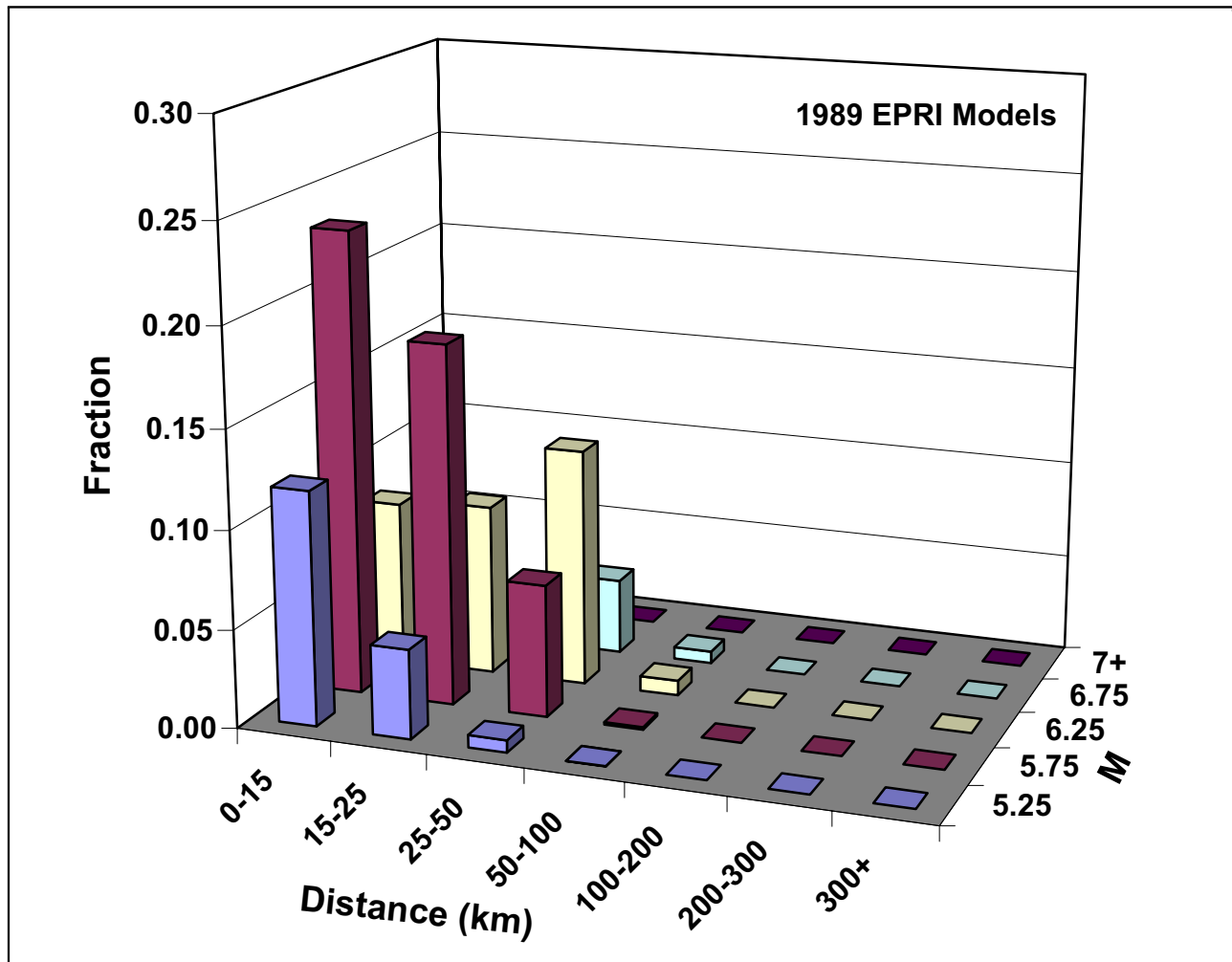


**Figure 2.5-25 Various EPRI Geometries of the Central Virginia Seismic Zone**



**Figure 2.5-26 Low-Frequency,  $10^{-5}$  Median, Magnitude-Distance Deaggregation Using 1989 EPRI Sources and Ground Motion**





**Figure 2.5-27 High-Frequency,  $10^{-5}$  Median, Magnitude-Distance Deaggregation Using 1989 EPRI Sources and Ground Motion**

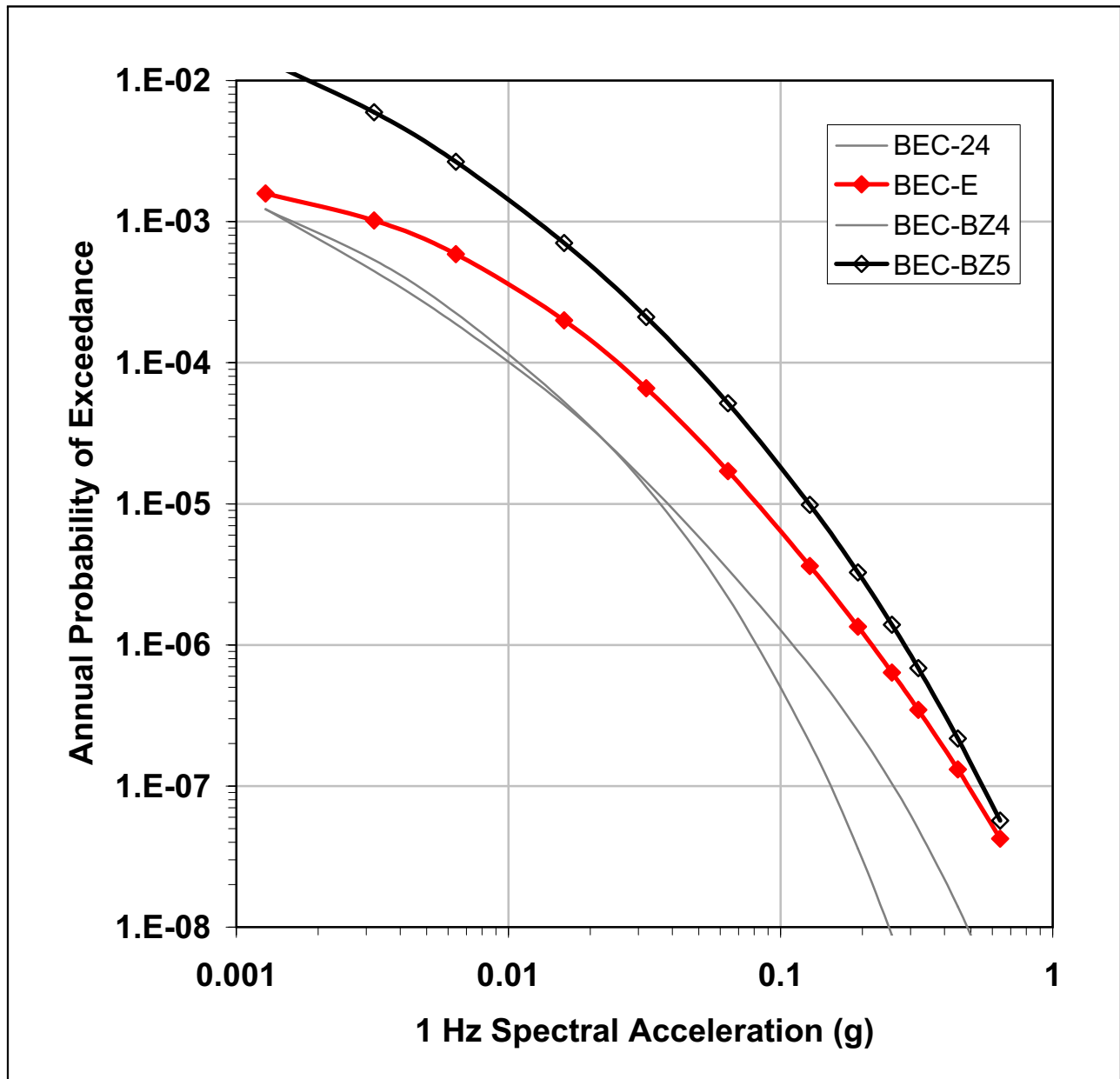
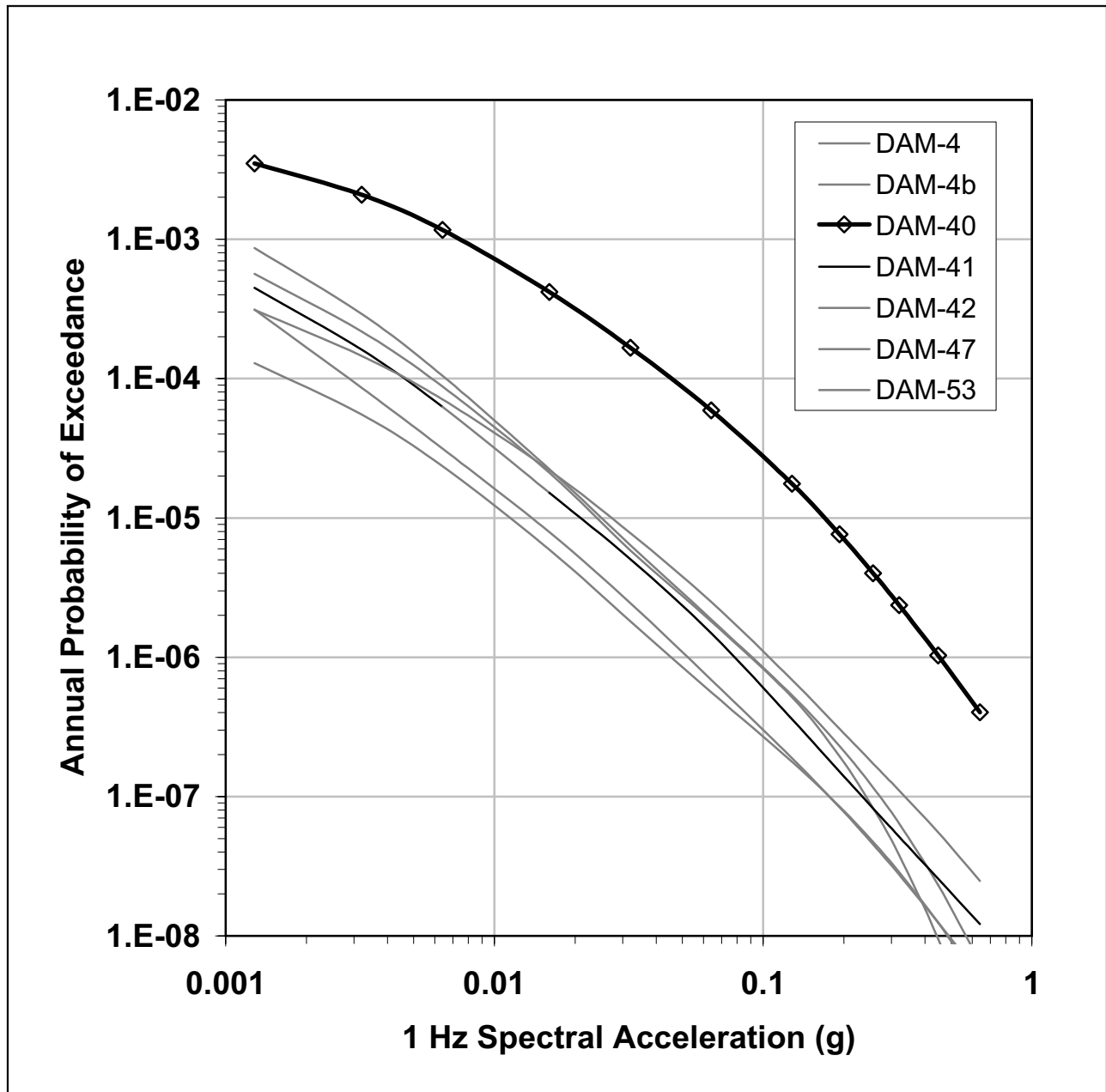
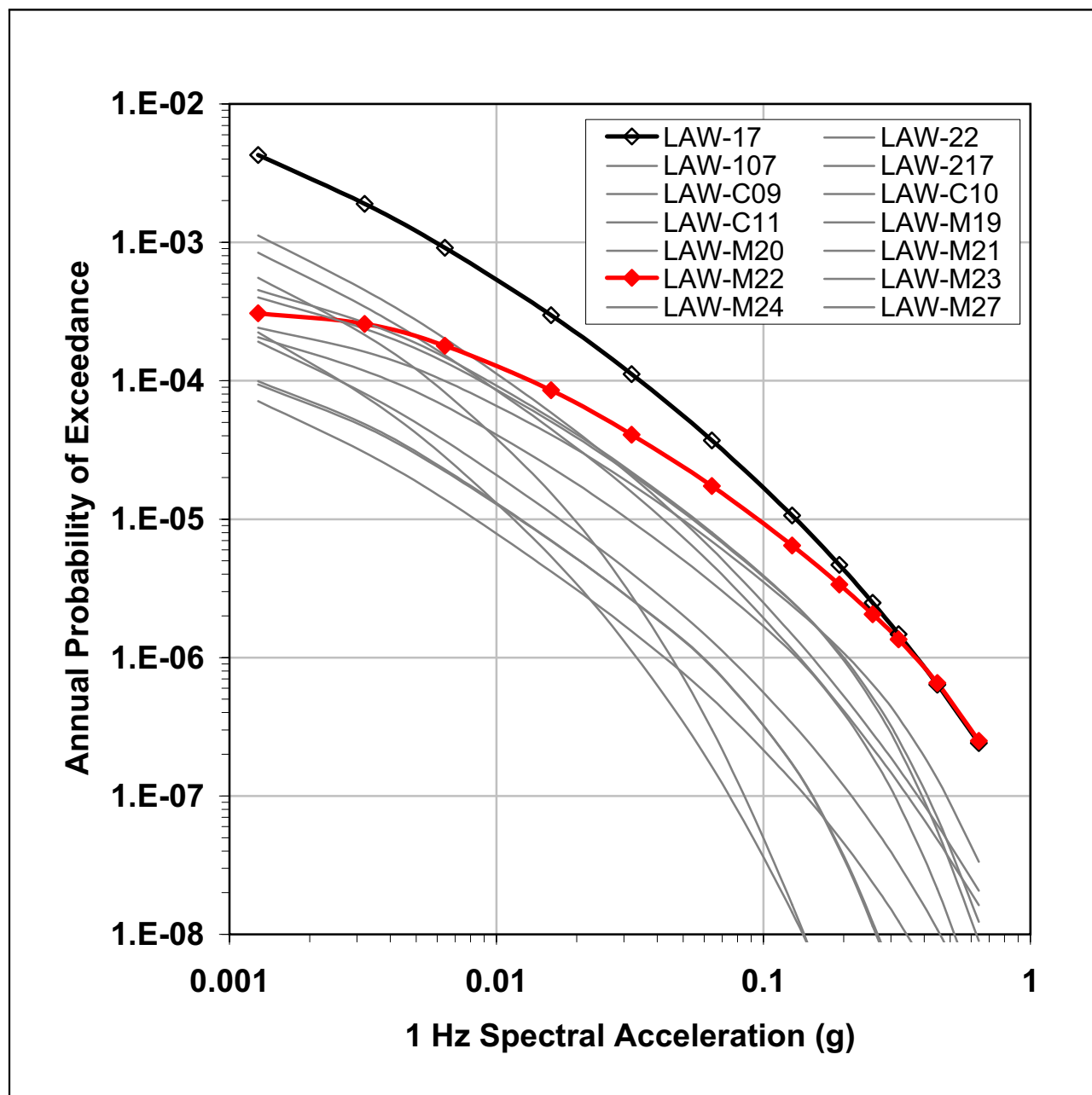


Figure 2.5-28 1989 EPRI 1 Hz Mean Hazard Contribution by Source (Bechtel); Sources Contributing Most to ESP Site Hazard Are Emphasized



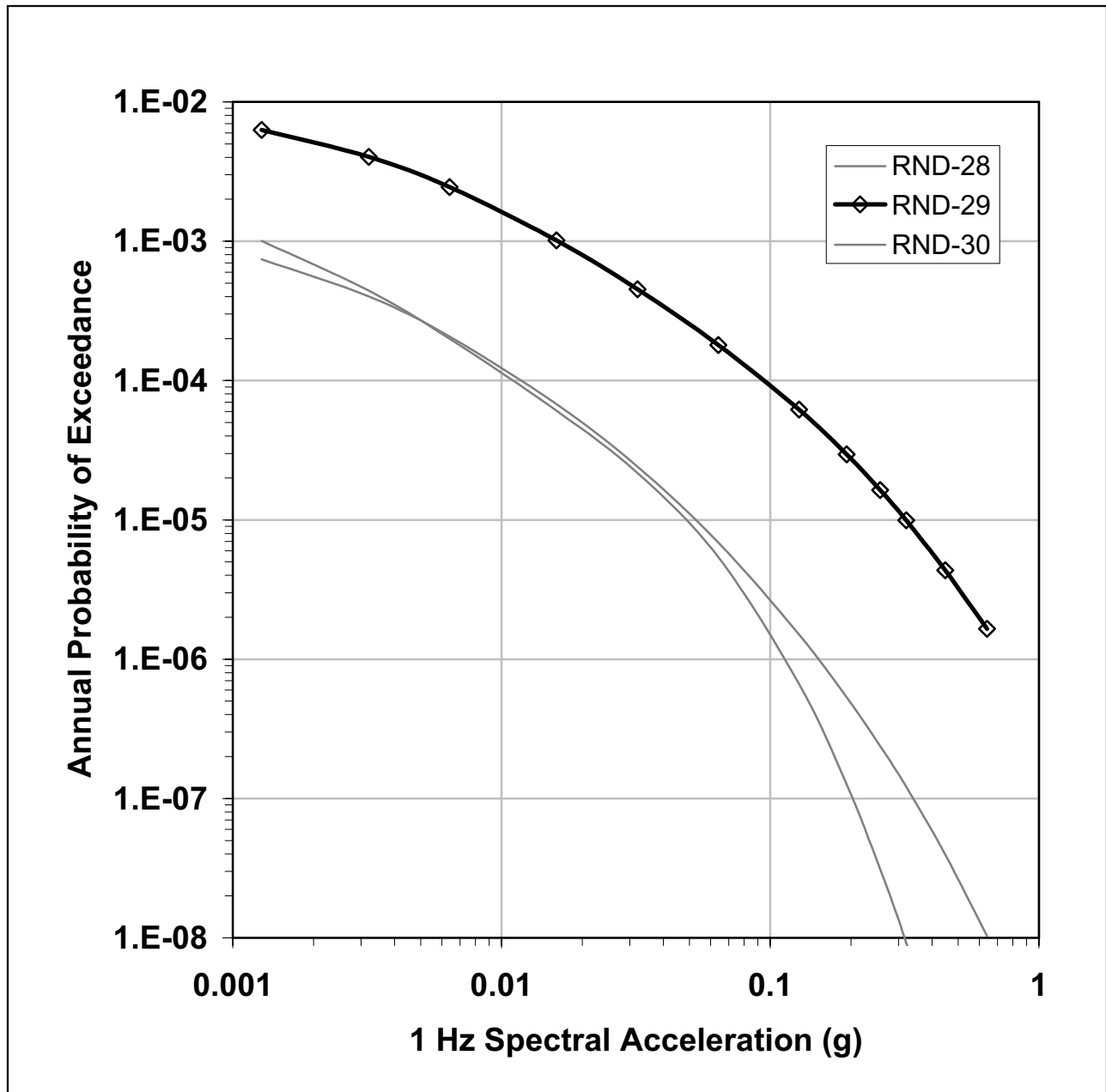


**Figure 2.5-29 1989 EPRI Hazard 1 Hz Mean Contribution by Source (Dames & Moore); Sources Contributing Most to ESP Site Hazard Are Emphasized**



**Figure 2.5-30 1989 EPRI 1 Hz Mean Hazard Contribution by Source (Law Engineering); Sources Contributing Most to ESP Site Hazard Are Emphasized**





**Figure 2.5-31 1989 EPRI 1 Hz Hazard Contribution by Source (Rondout Team);  
Sources Contributing Most to ESP Site Hazard Are Emphasized**

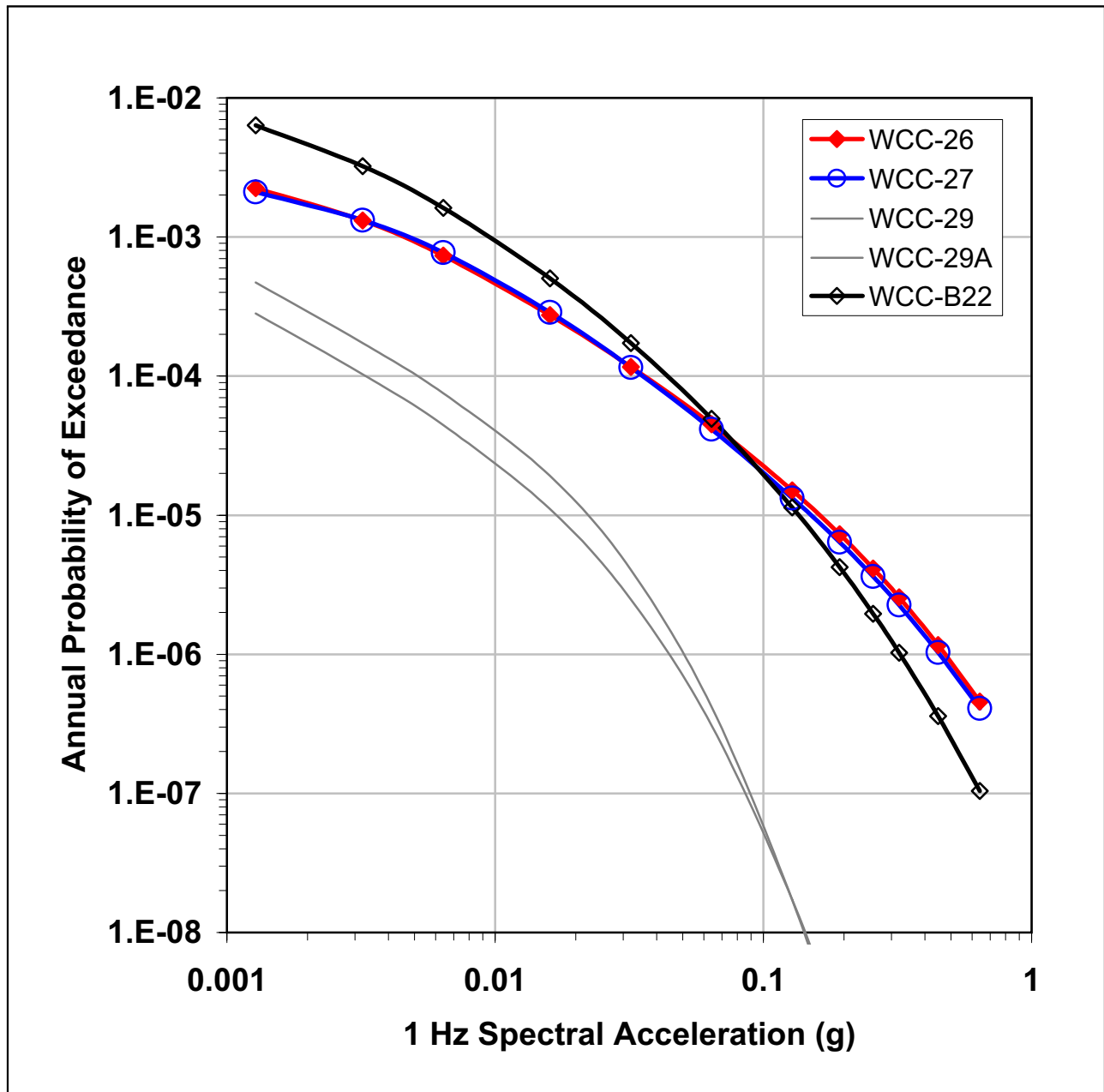
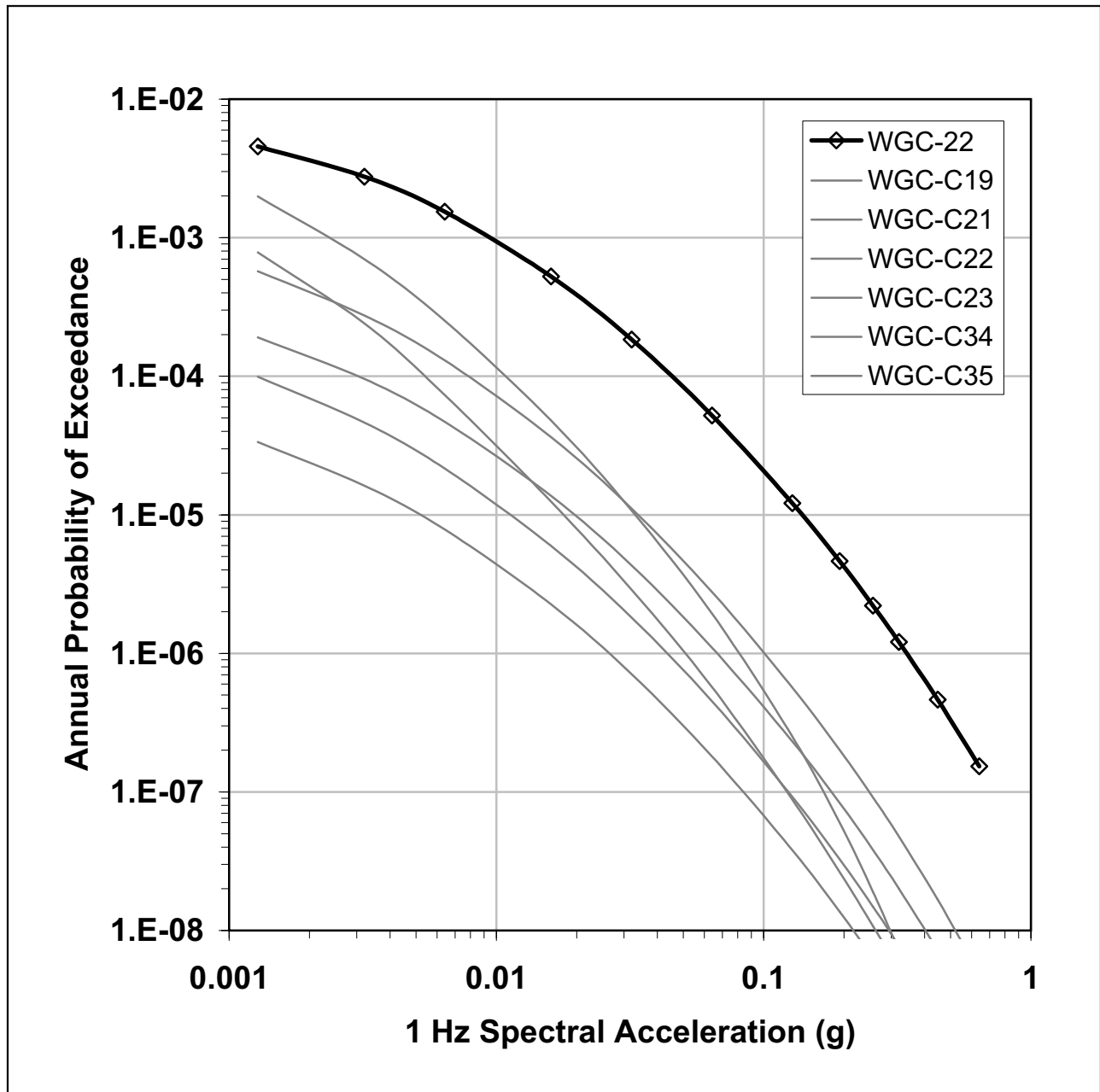


Figure 2.5-32 1989 EPRI 1 Hz Hazard Contribution by Source (Woodward-Clyde); Sources Contributing Most to ESP Site Hazard Are Emphasized





**Figure 2.5-33 1989 EPRI 1 Hz Hazard Contribution by Source (Weston Geophysical); Sources Contributing Most to ESP Site Hazard Are Emphasized**

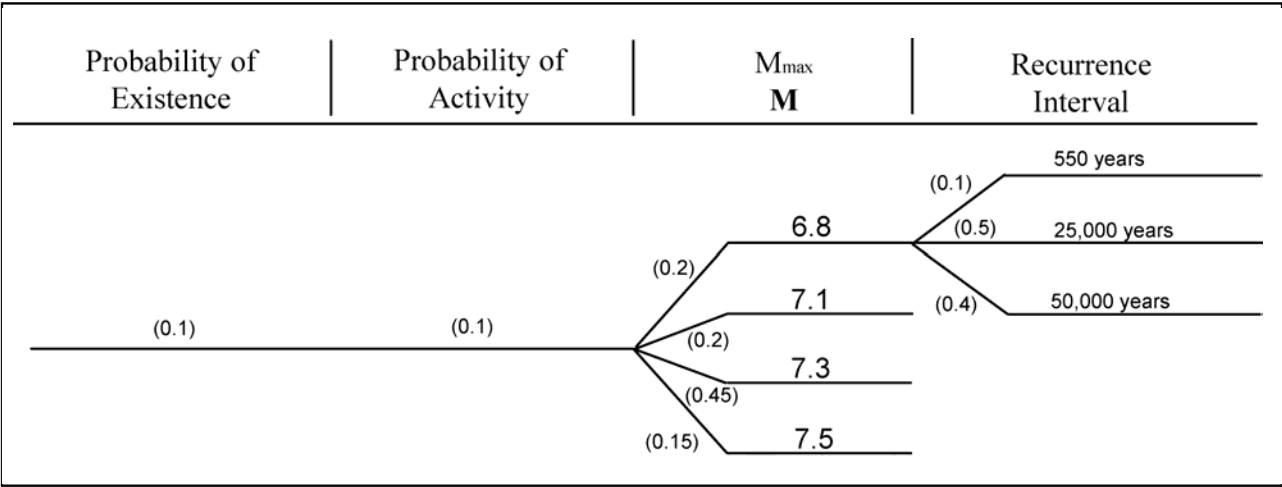


Figure 2.5-34 Logic Tree for ECFS Northern Segment

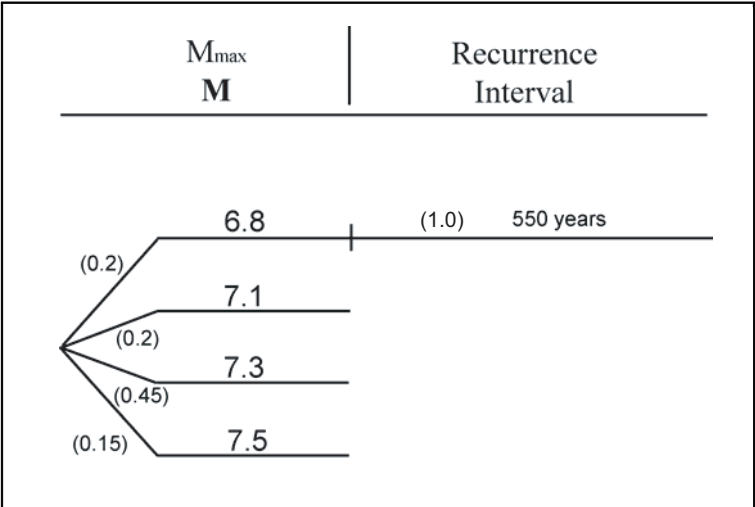
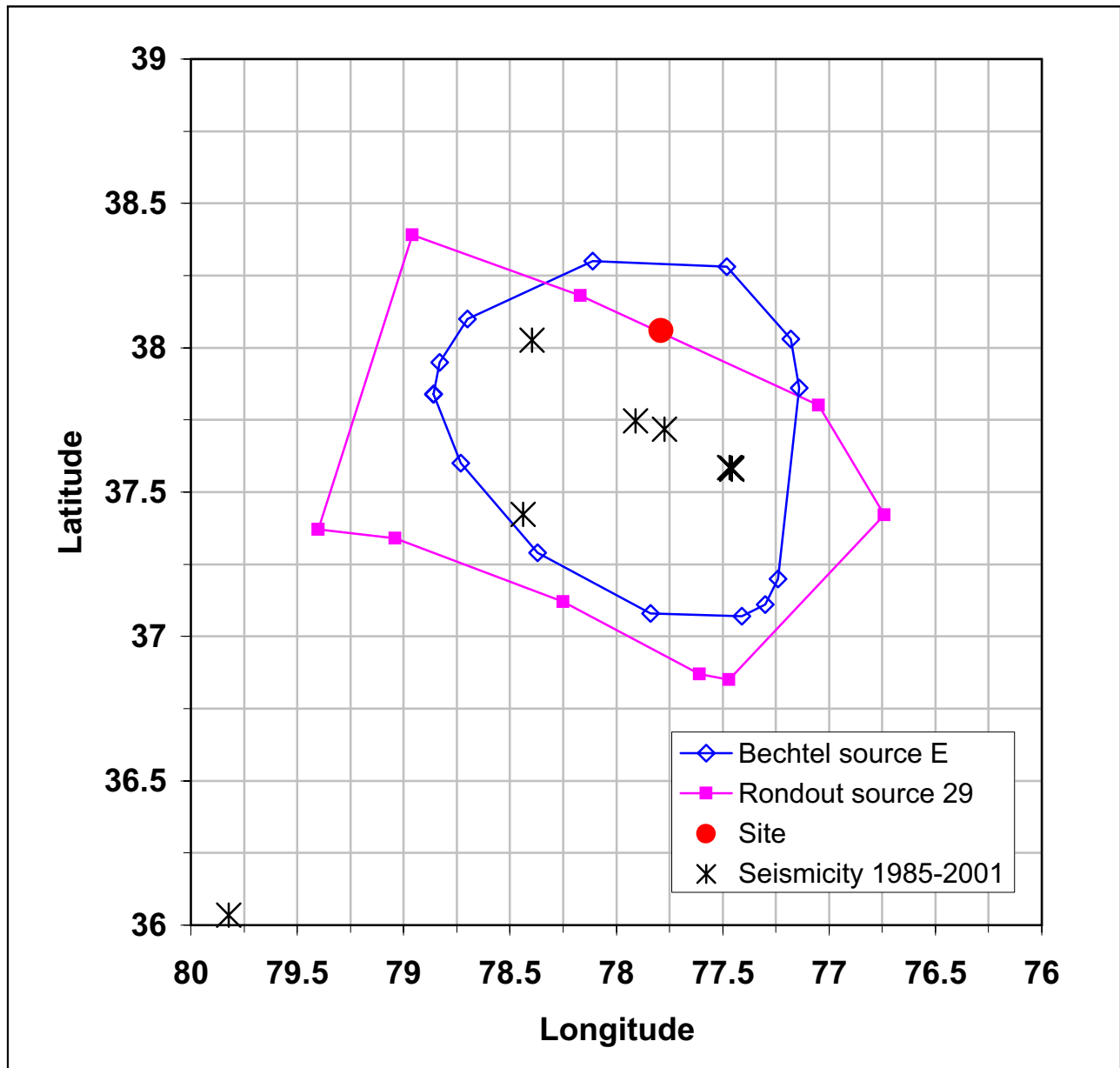
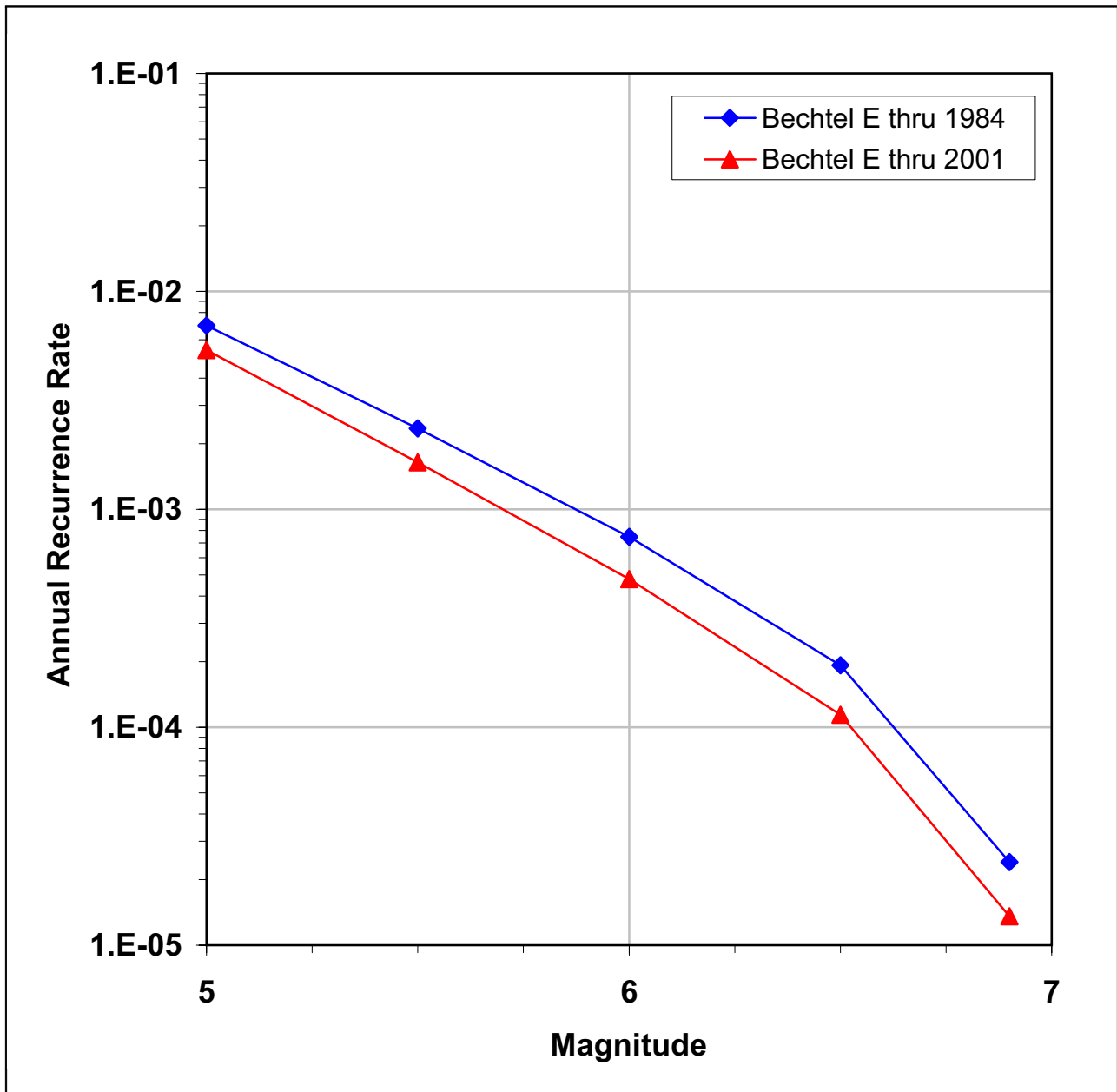


Figure 2.5-35 Logic Tree for the Updated Charleston Source  
(ECFS Southern Segment)

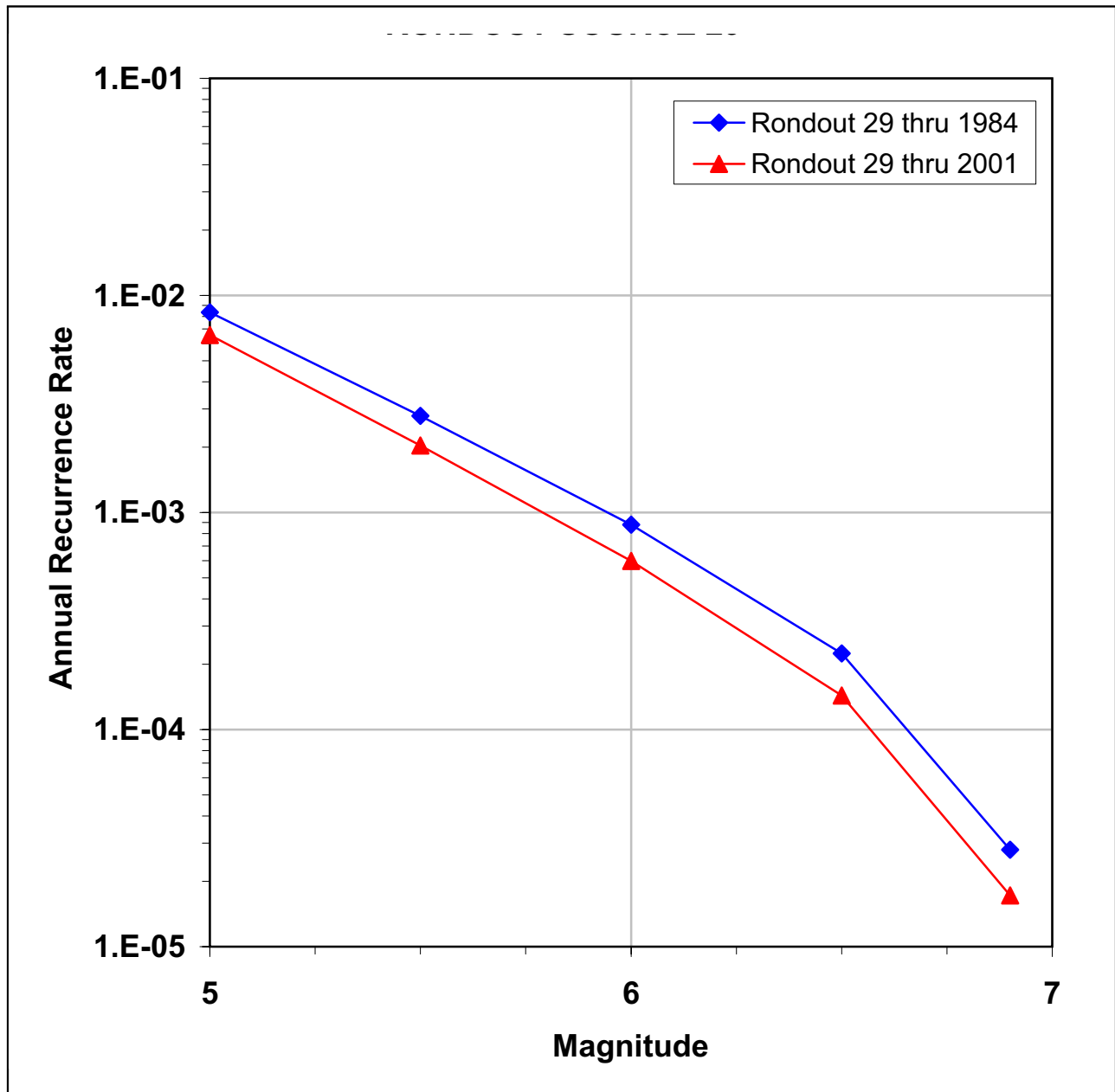


**Figure 2.5-36 Bechtel and Rondout Team Representations of Central Virginia Seismic Zone, and Seismicity in the Region Recorded from 1985 to 2001**

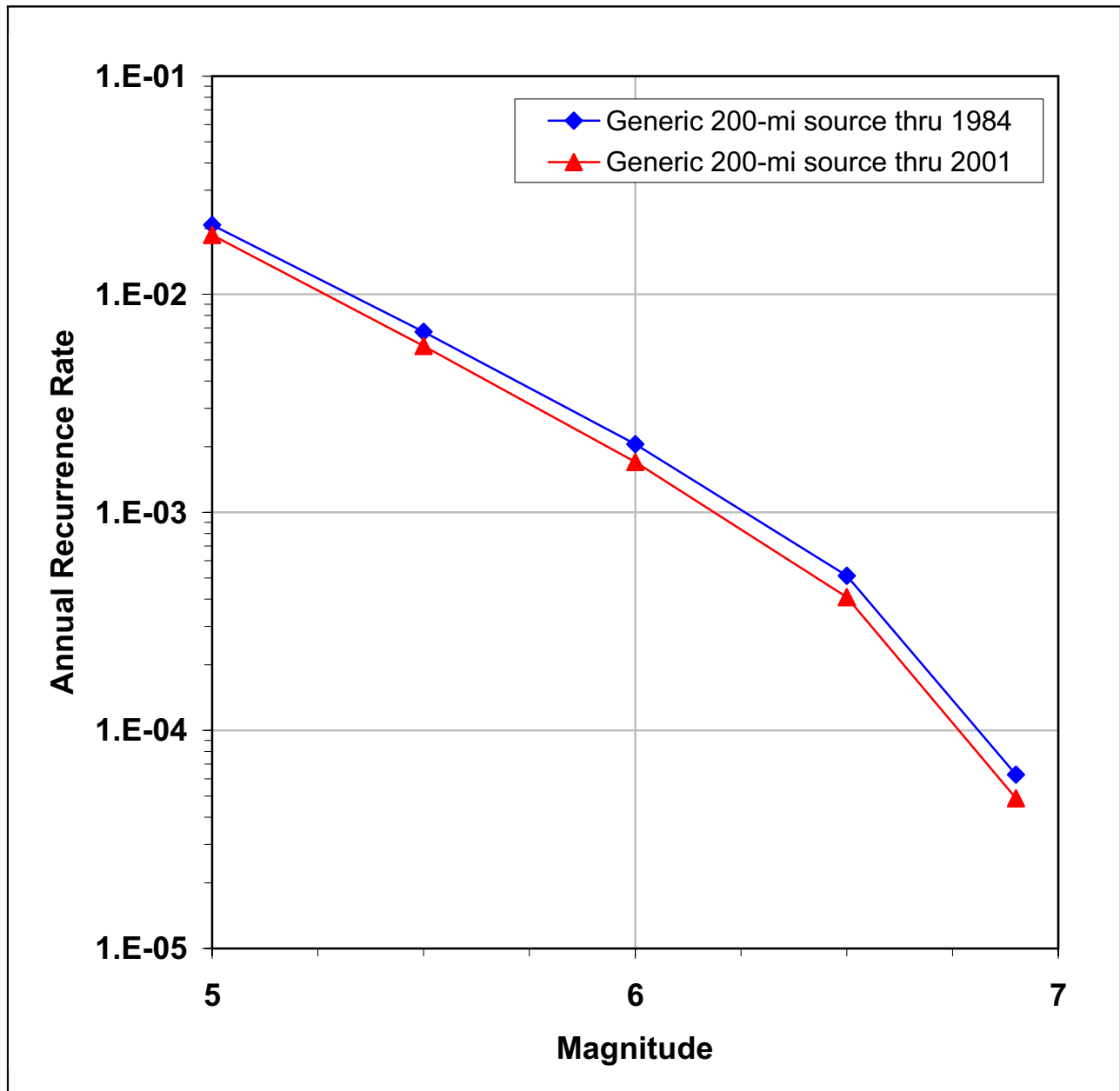




**Figure 2.5-37 Comparison of Seismic Activity Rates for Bechtel Source E Considering Original EPRI (through 1984) and Updated (through 2001) Earthquake Catalogs**



**Figure 2.5-38 Comparison of Seismic Activity for Rondout Source 29 Considering Original EPRI (through 1984) and Updated (through 2001) Earthquake Catalogs**



**Figure 2.5-39 Comparison of Seismic Activity for 200-Mile Radius Source Around North Anna Considering Original EPRI (through 1984) and Updated (through 2001) Earthquake Catalogs**



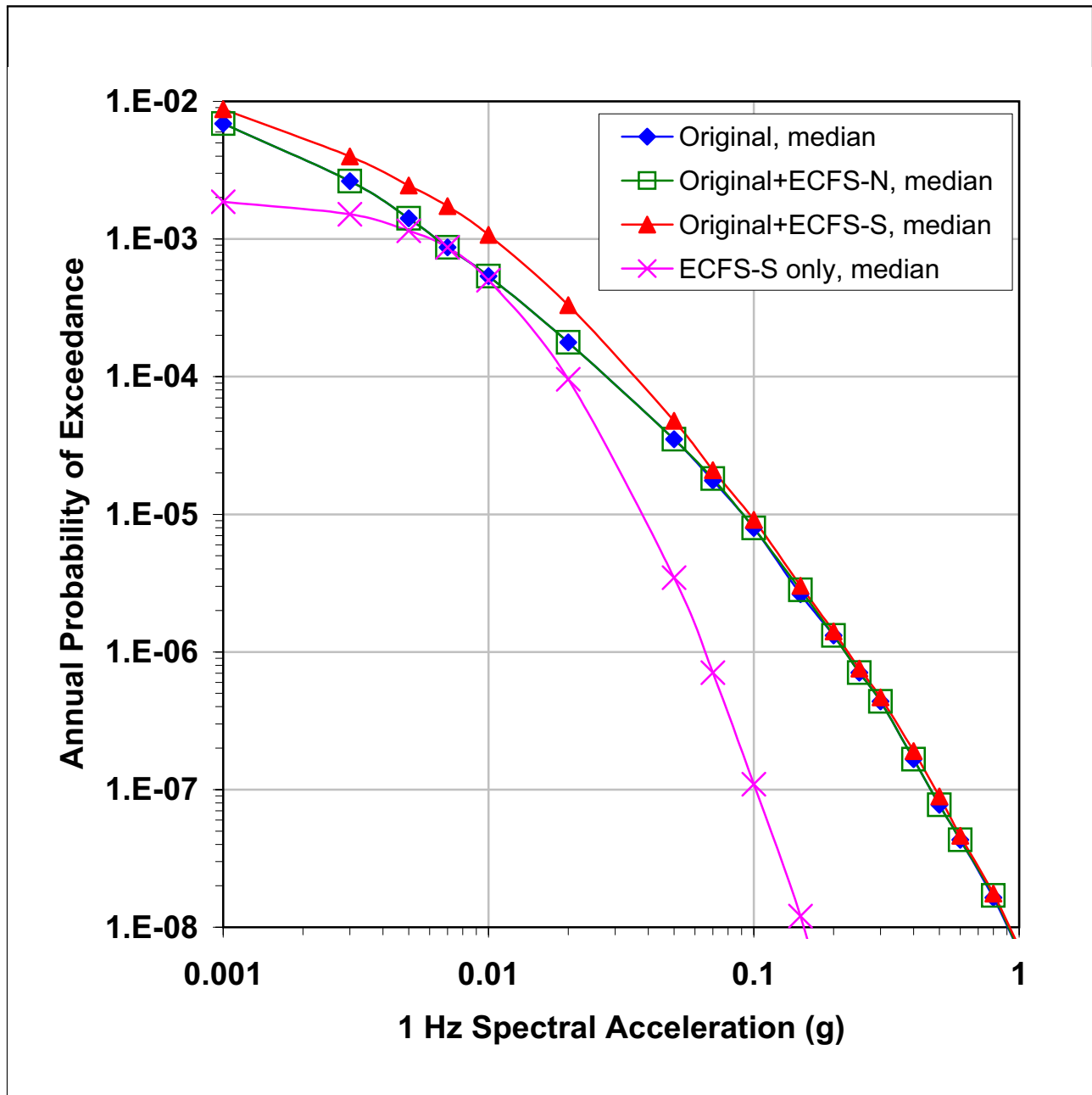


Figure 2.5-40 Effect of ECFS Faults on Median, 1 Hz Seismic Hazard

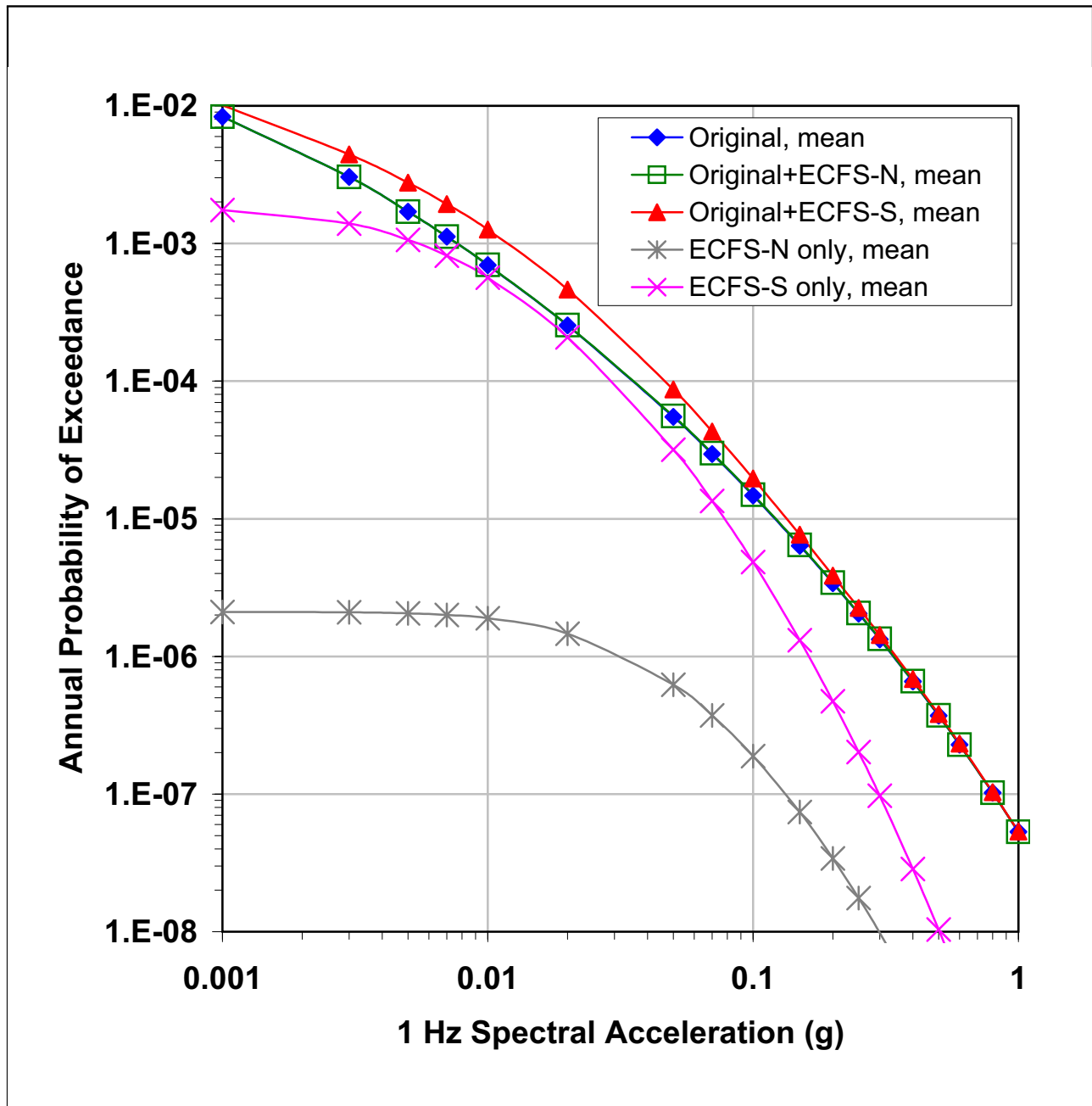


Figure 2.5-41 Effect of ECFS Faults on Mean, 1 Hz Seismic Hazard

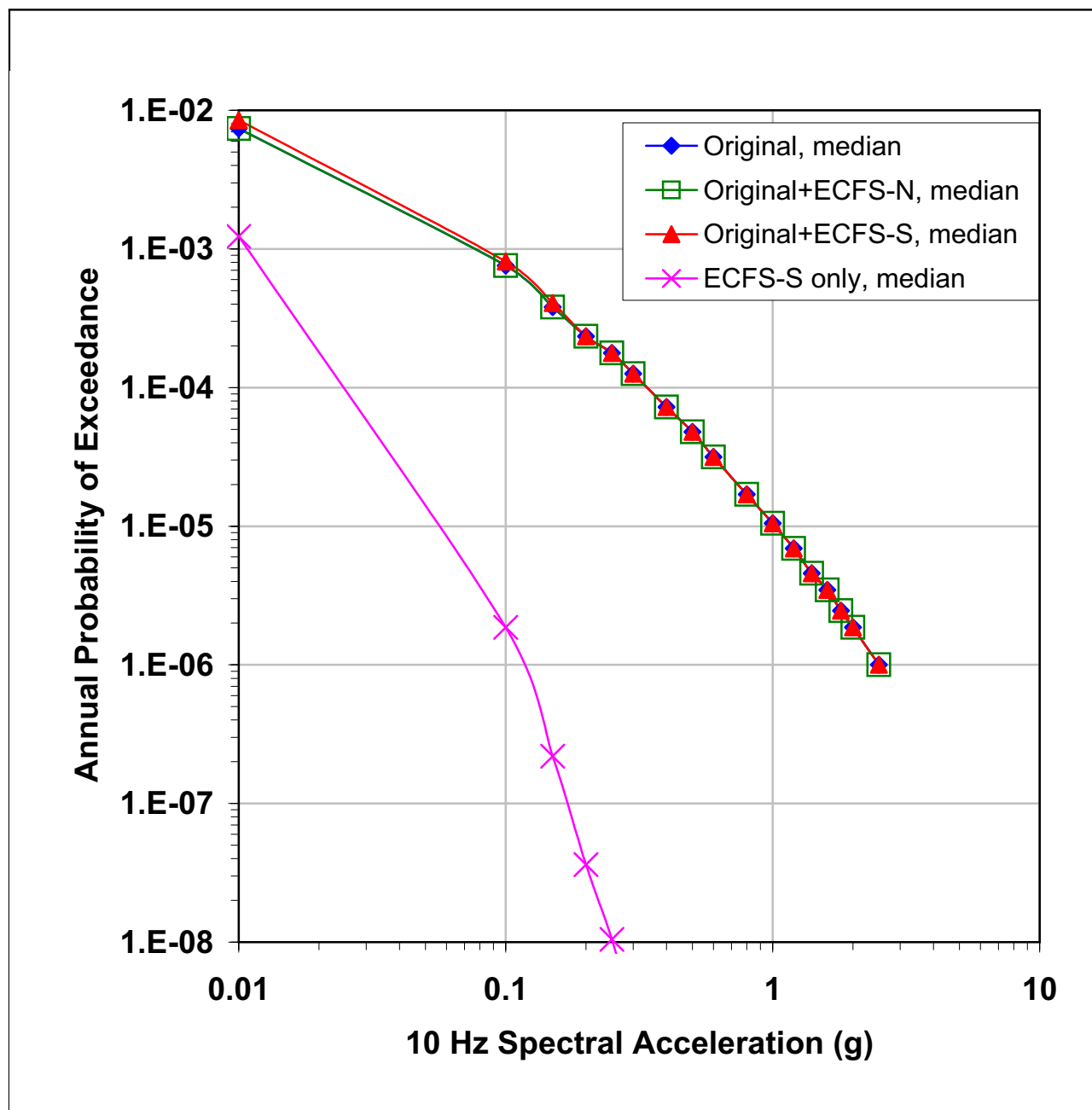


Figure 2.5-42 Effect of ECFS Faults on Median, 10 Hz Seismic Hazard



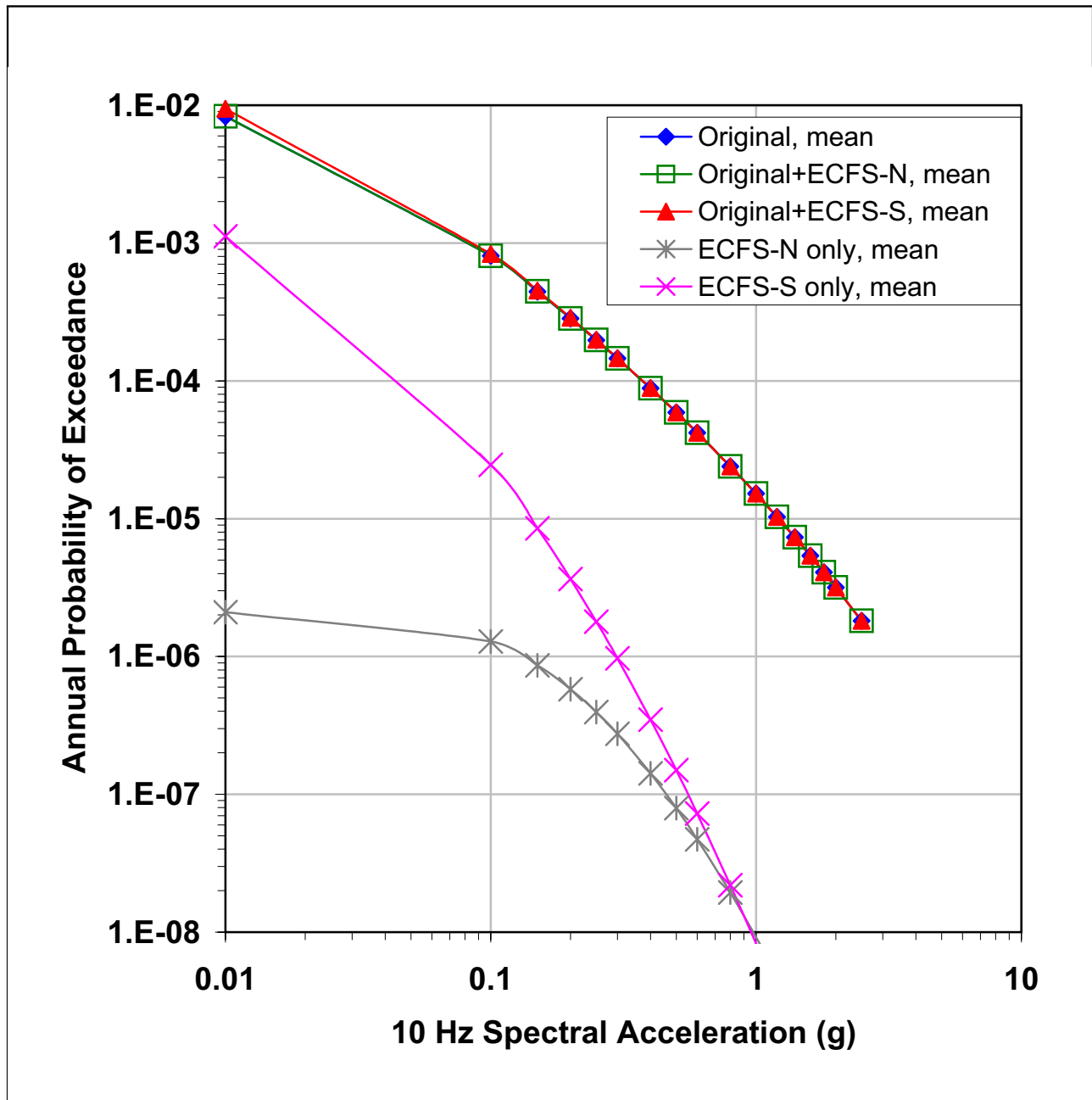


Figure 2.5-43 Effect of ECFS Faults on Mean, 10 Hz Seismic Hazard

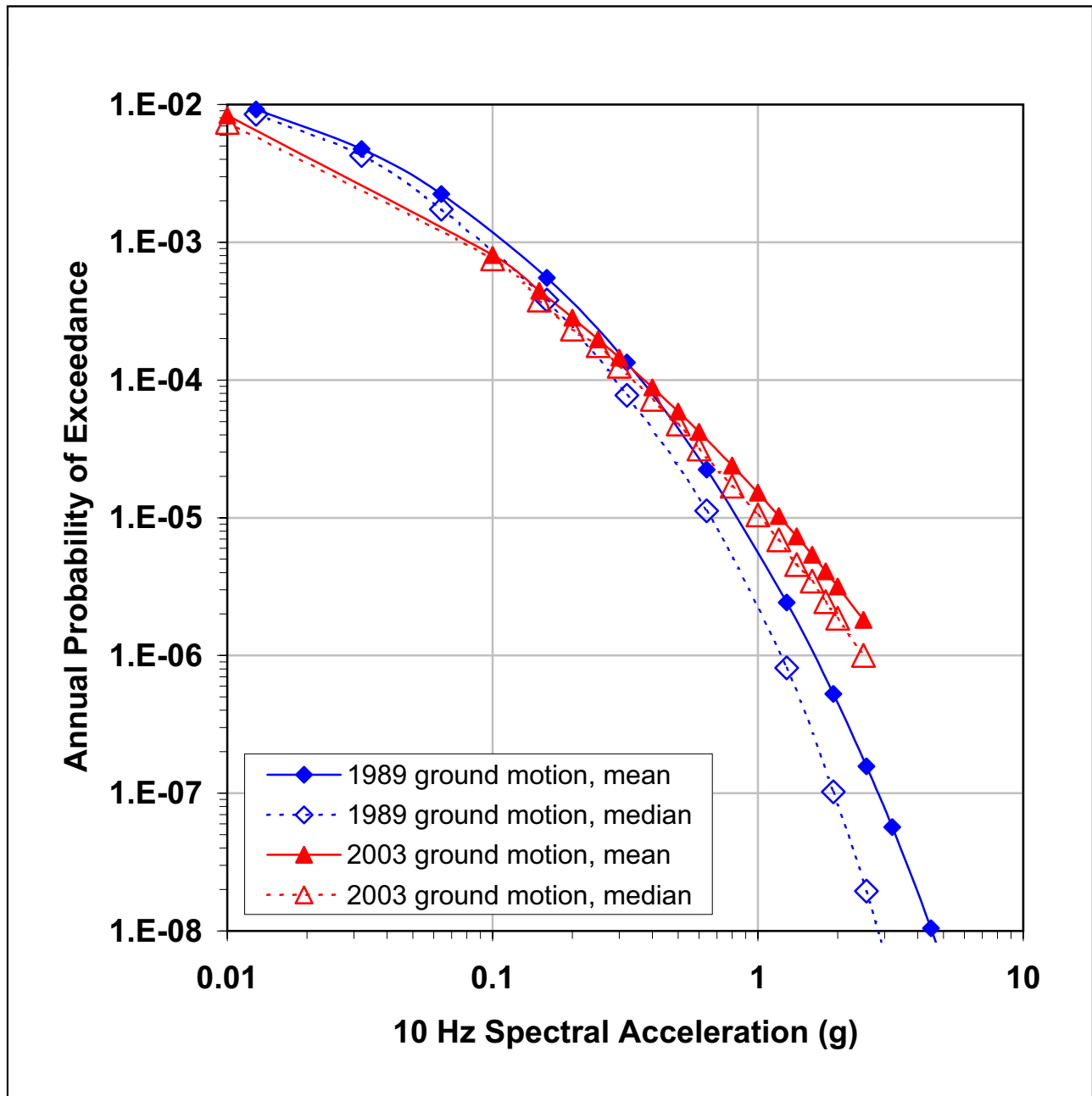


Figure 2.5-44 Sensitivity of 10 Hz Seismic Hazard to 1989 and 2003 Ground Motion Models

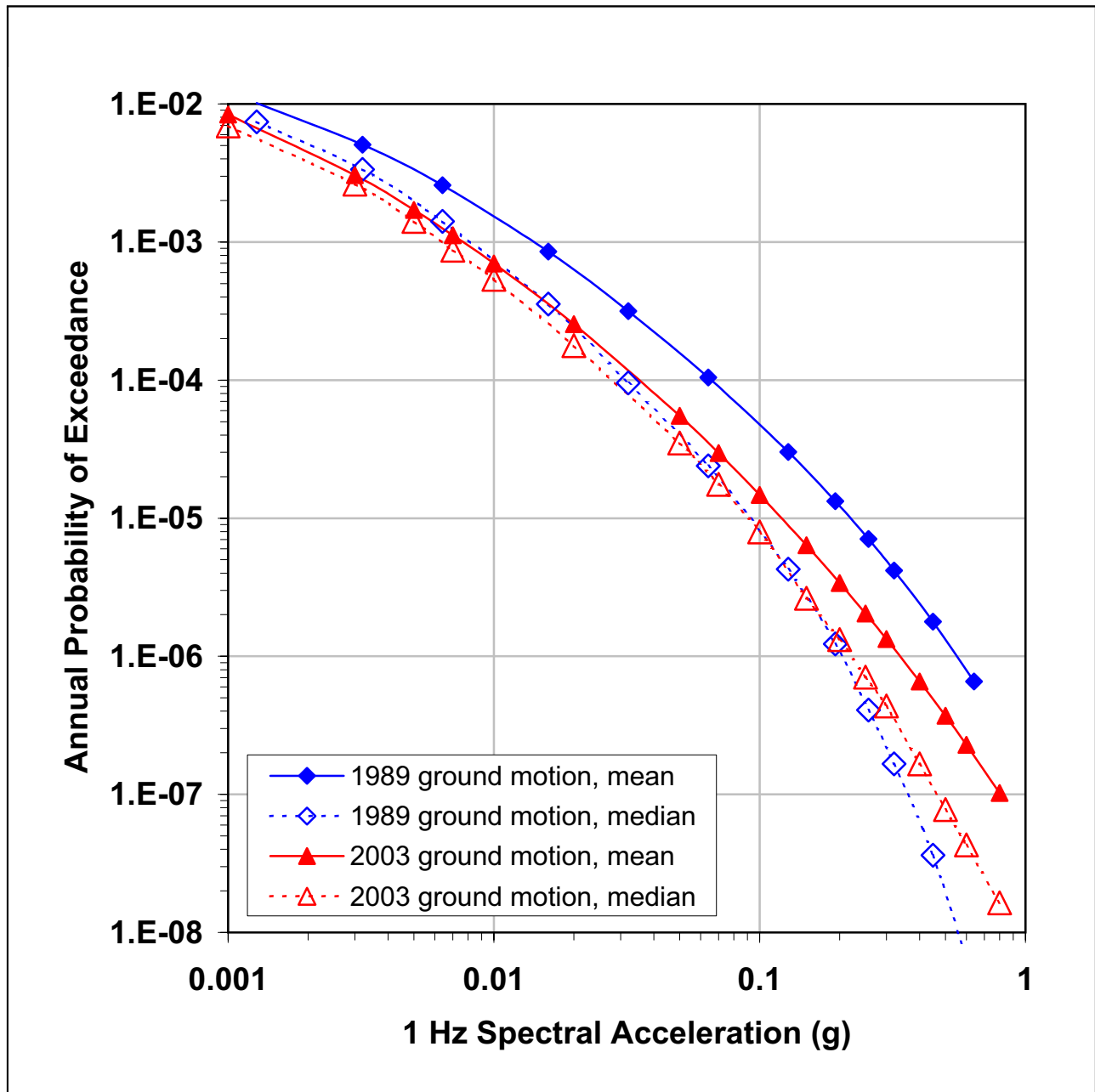


Figure 2.5-45 Sensitivity of 1 Hz Seismic Hazard to 1989 and 2003 Ground Motion Models