

Levy Nuclear Plant Units 1 and 2

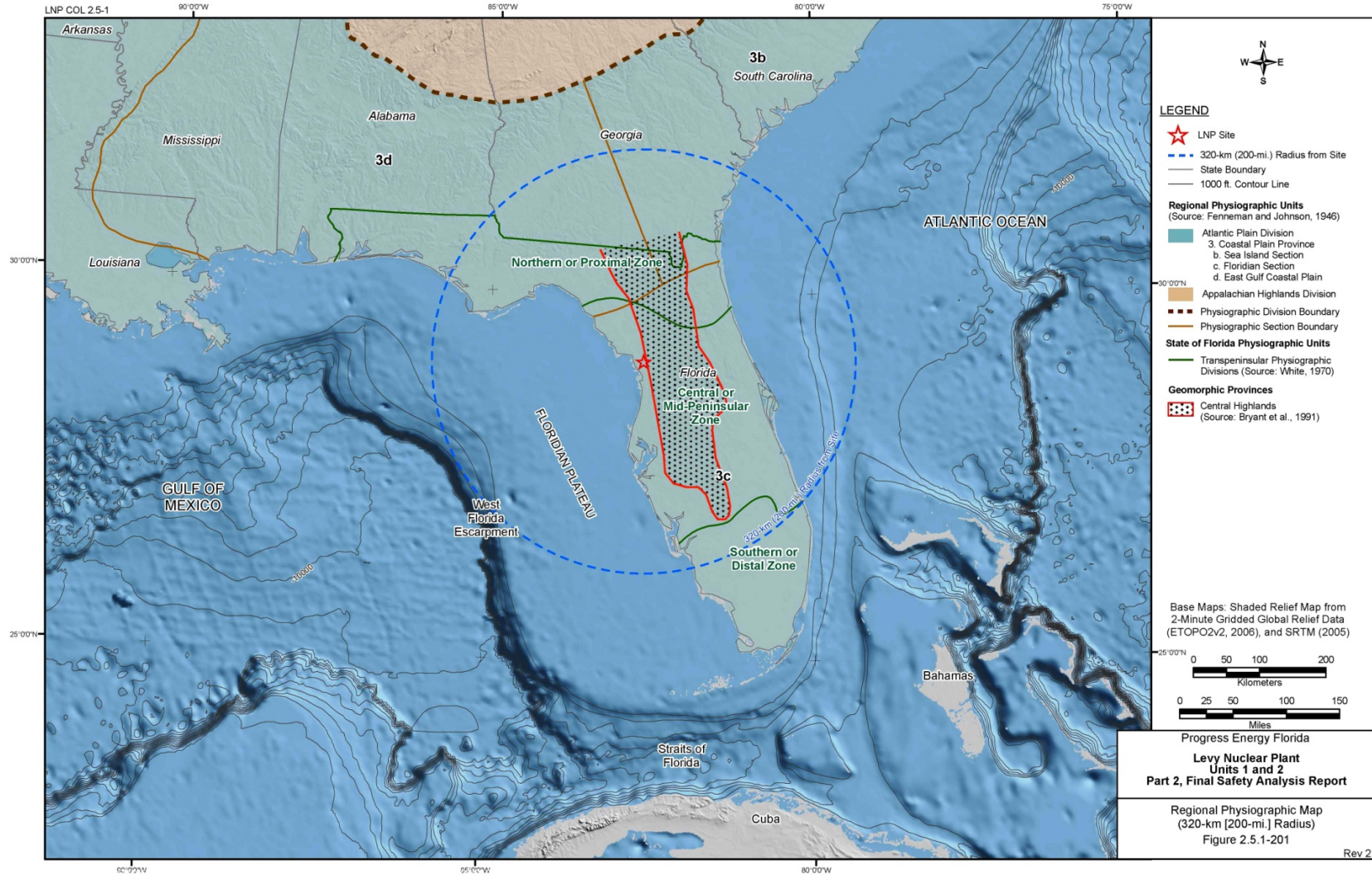


Figure 2.5.1-1. Regional Physiographic Map Showing Location of the LNP Site
(FSAR Figure 2.5.1-201)

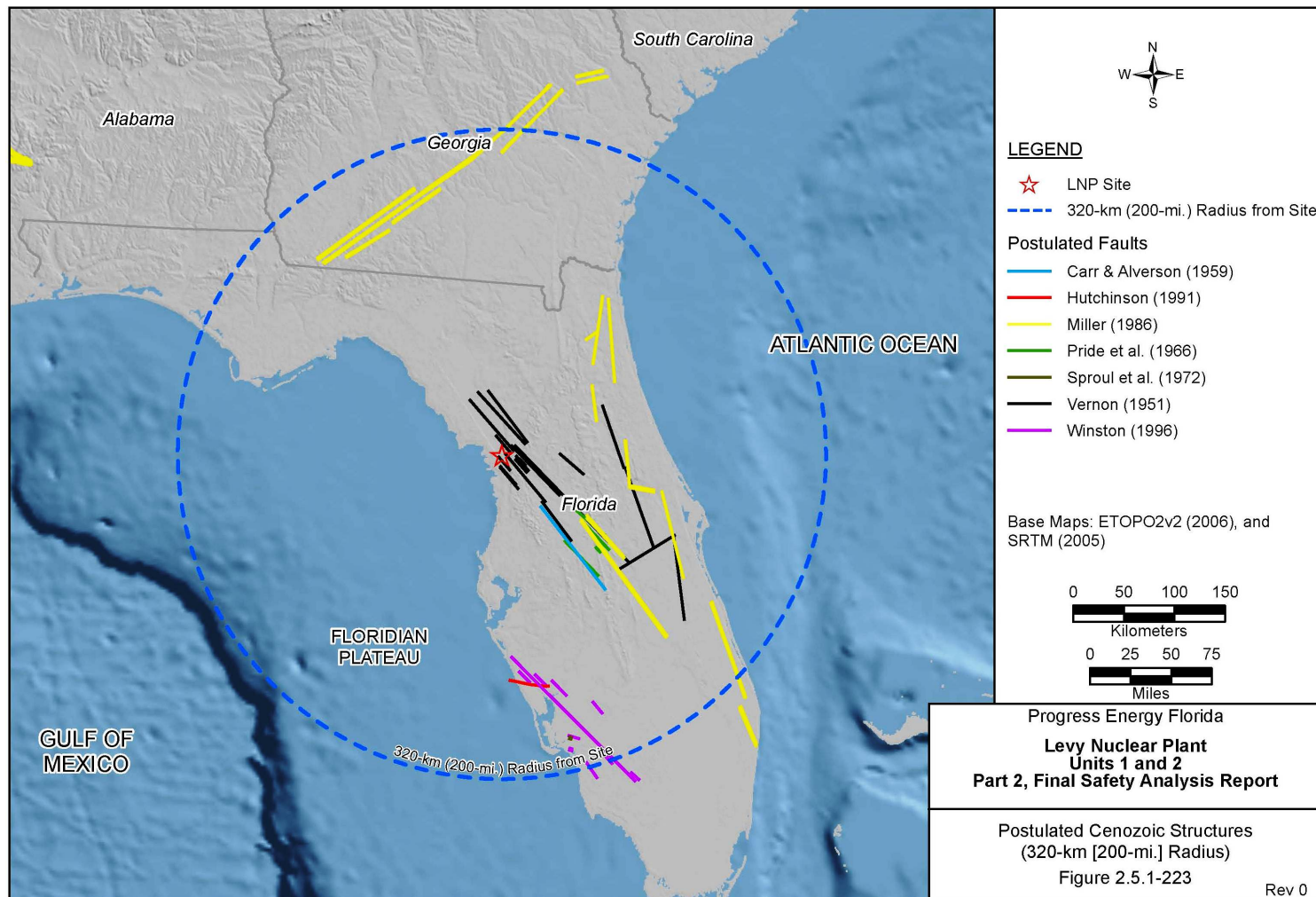


Figure 2.5.1-2. Postulated Cenozoic Tectonic Structures in the LNP Site Region
(FSAR Figure 2.5.1-223)

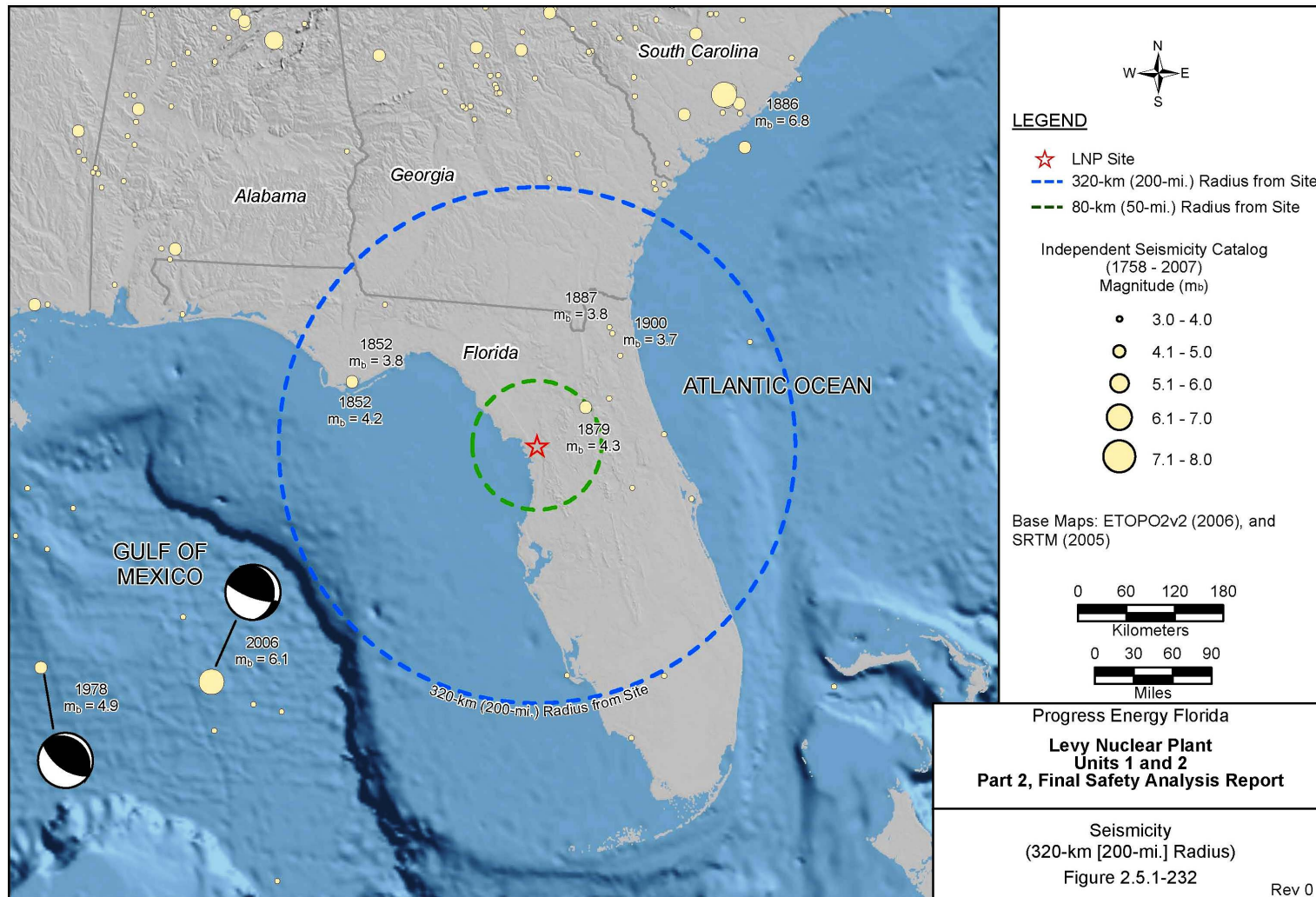


Figure 2.5.1-3. Seismicity in the LNP Site Area and Site Region Between 1758 and 2007, Including Location of the 1886 Event in the Charleston, South Carolina Area Relative to the LNP Site (FSAR Figure 2.5.1-232)

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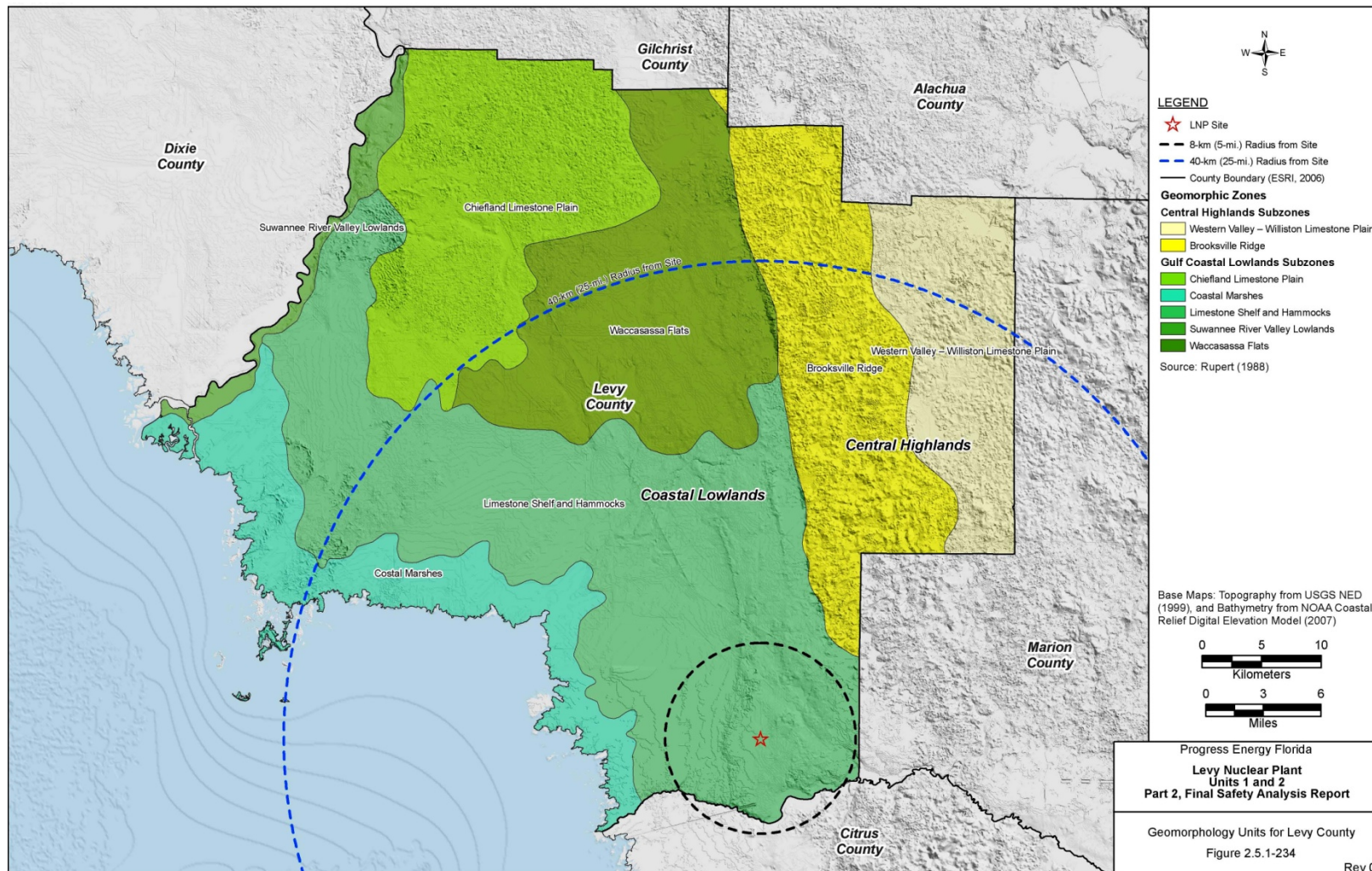


Figure 2.5.1-4. Geomorphic Divisions of Levy County
(FSAR Figure 2.5.1-234)

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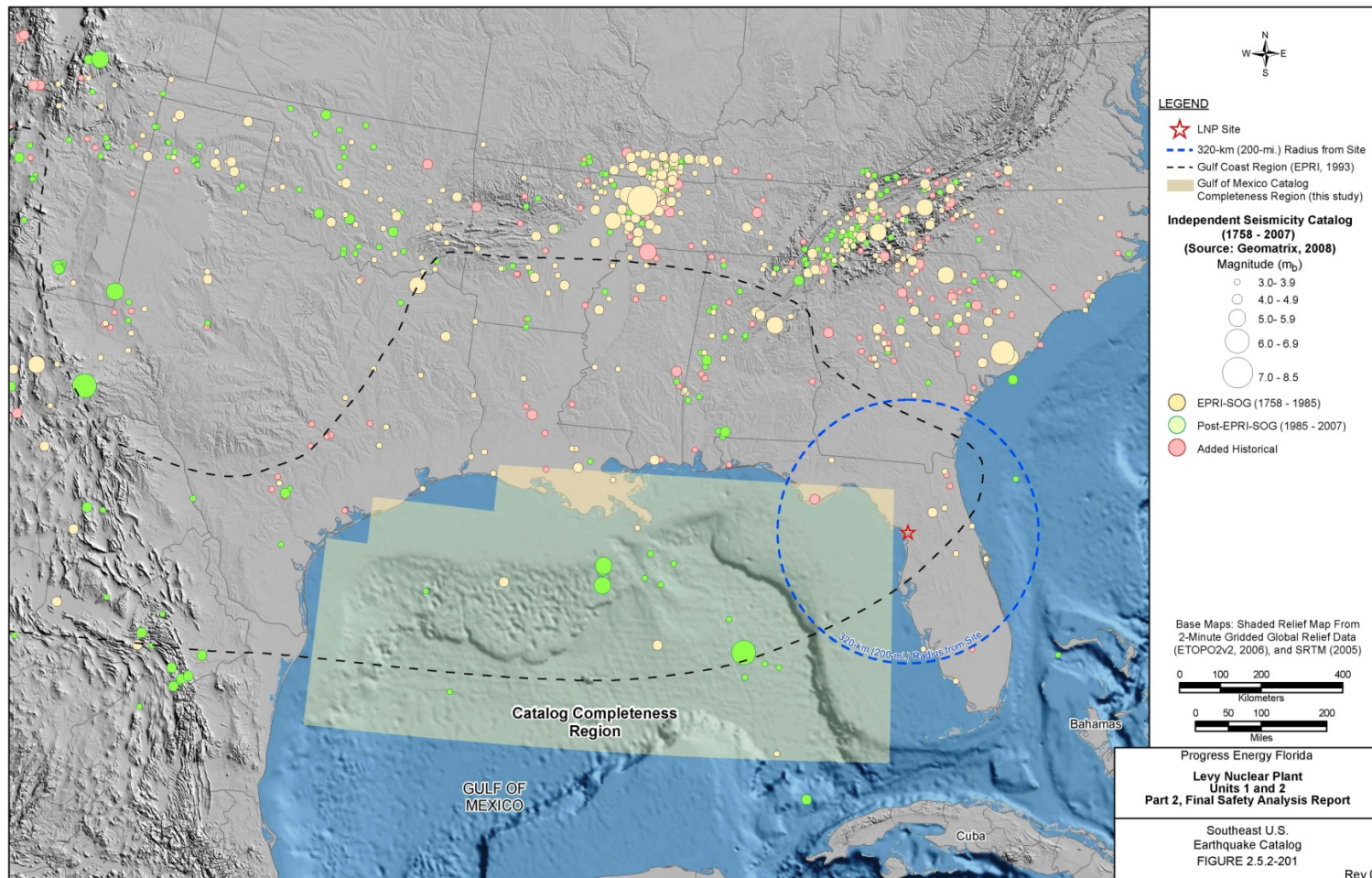


Figure 2.5.2-1. Topography and Bathymetry Map Showing the Applicant's Updated Earthquake Catalog and the Location of the LNP Site
(FSAR Figure 2.5.2-201)

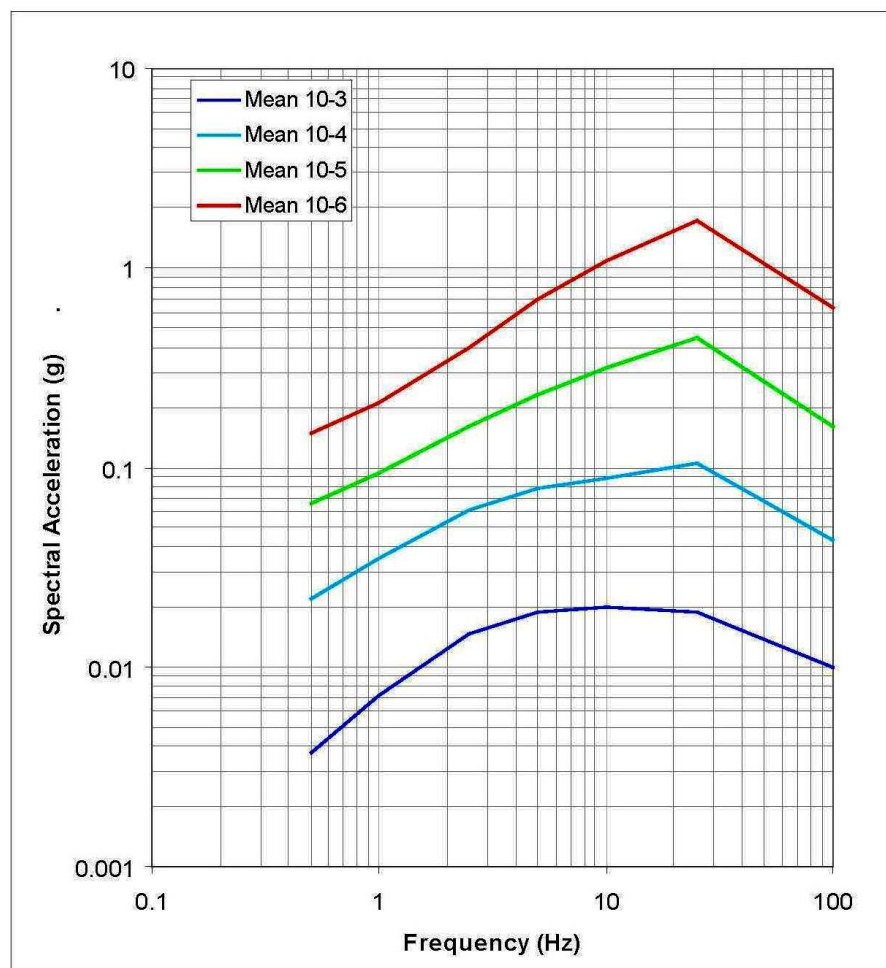


Figure 2.5.2-2. UHRS for the LNP 1 and 2 Site for Generic CEUS Hard Rock Conditions
(FSAR Figure 2.5.2-238)

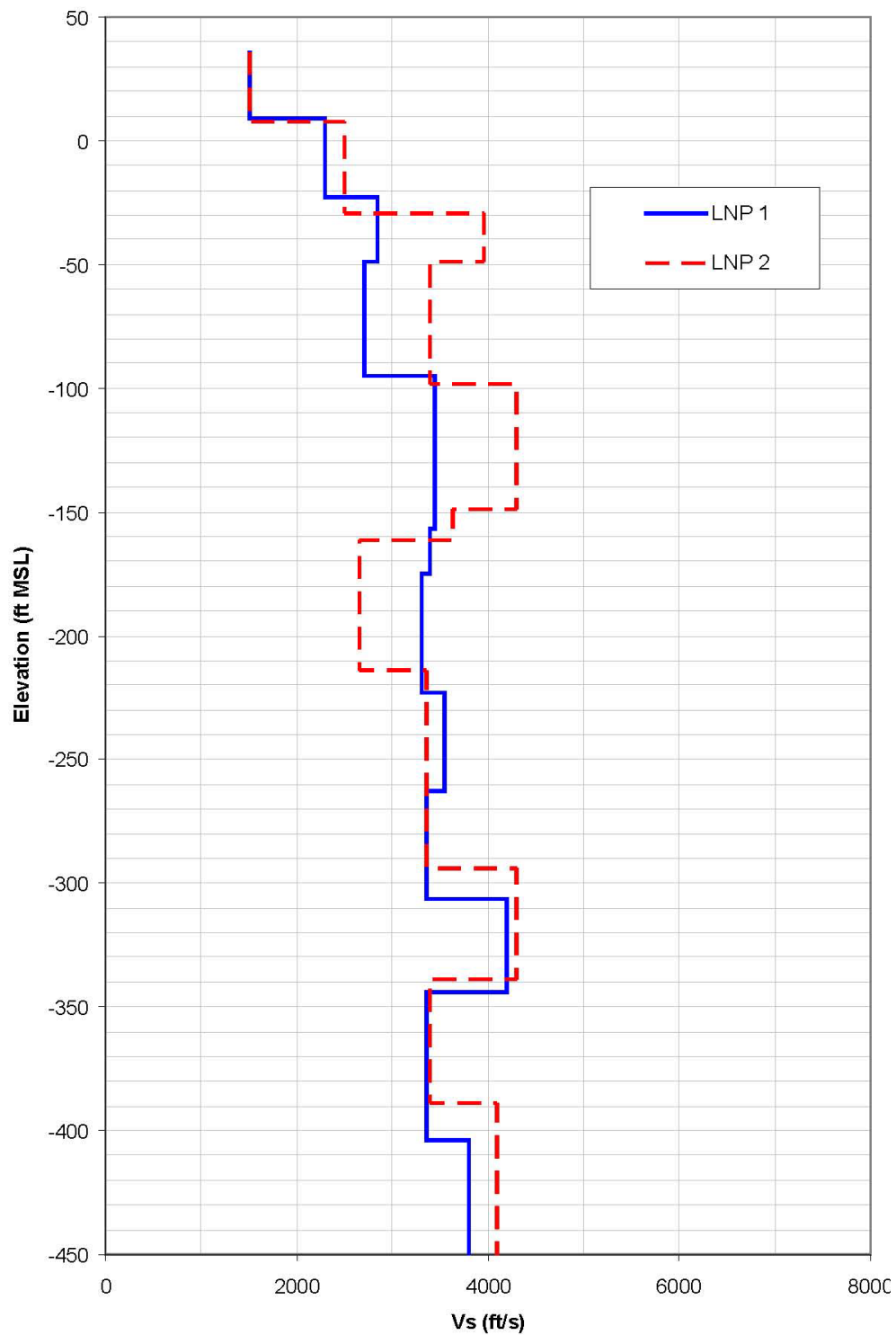


Figure 2.5.2-3. Shear Wave Velocity Profile for the LNP 1 and 2 Site Used in the GMRS Analysis
(FSAR Figure 2.5.2-254)

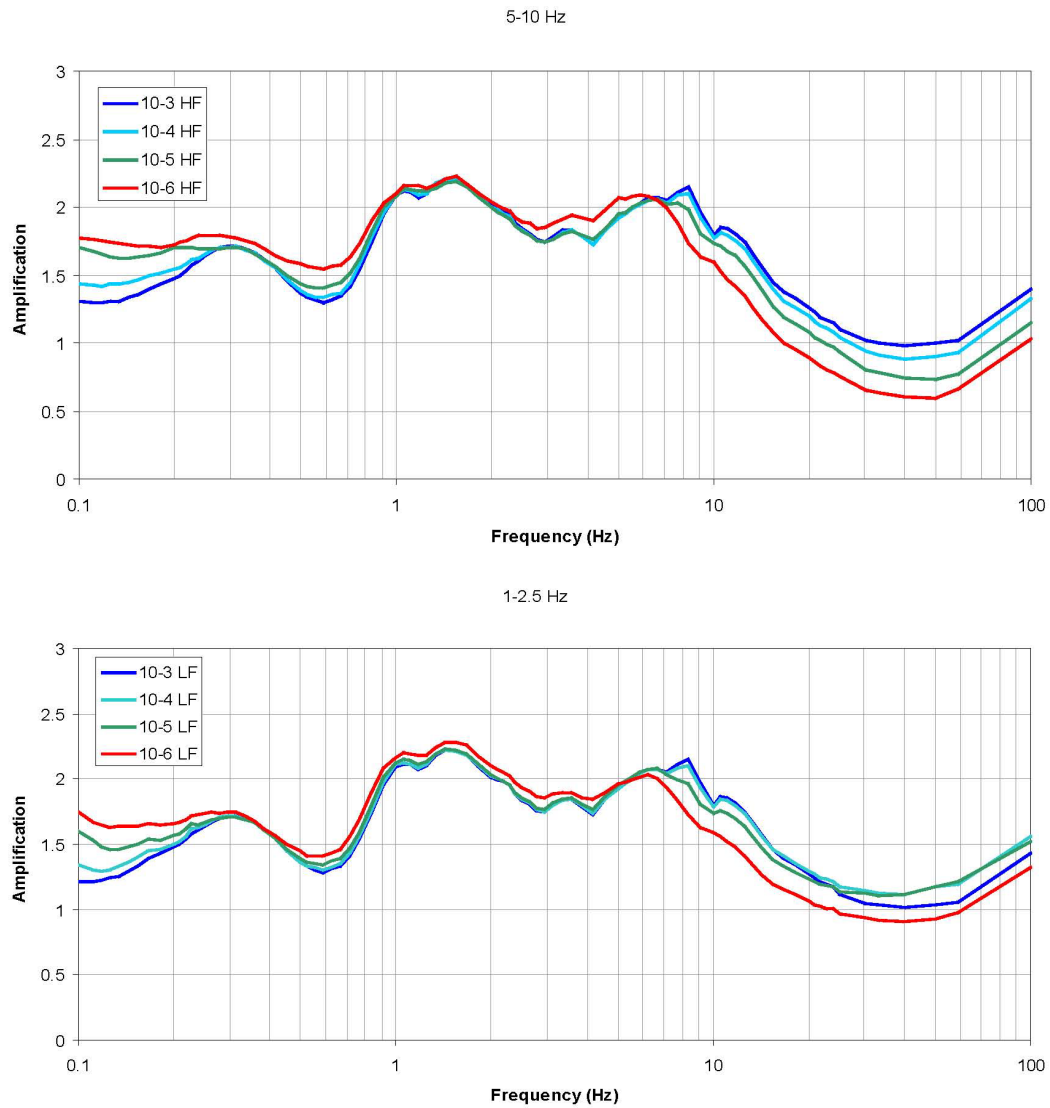


Figure 2.5.2-4. Envelope GMRS Amplification Functions for the LNP Unit 1 and 2 Site
(FSAR Figure 2.5.2-278)

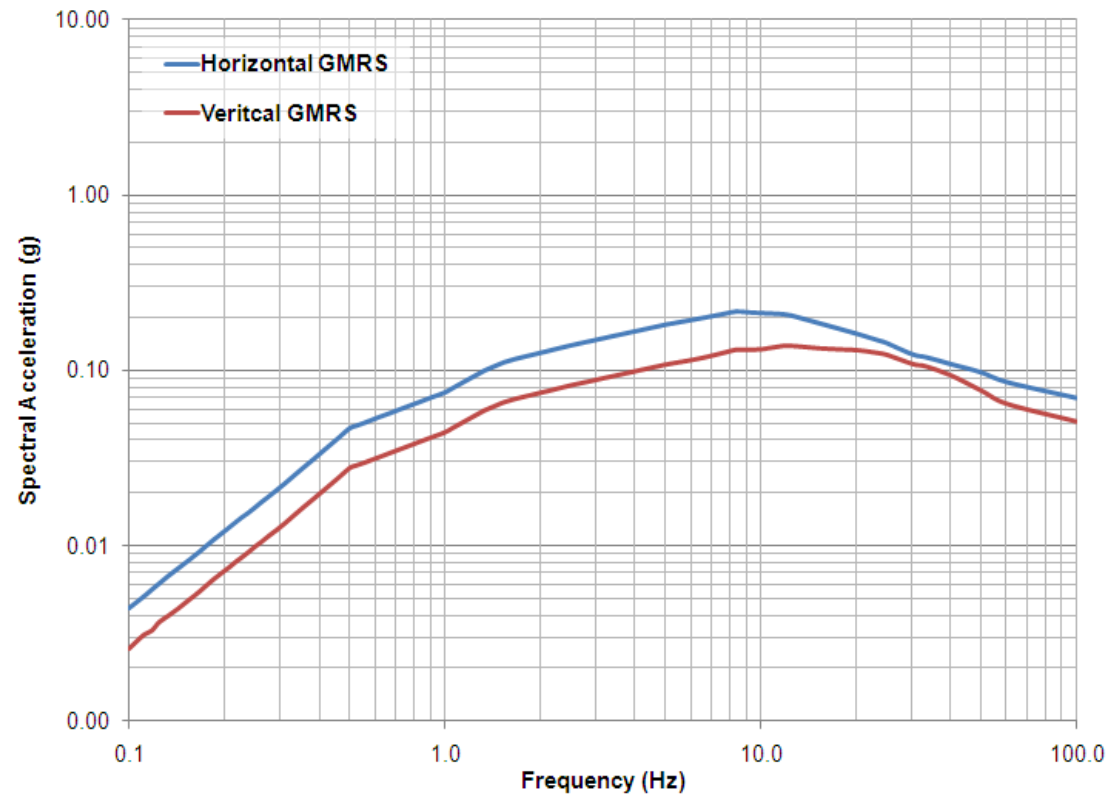


Figure 2.5.2-5. Horizontal and Vertical GMRS for the LNP Unit 1 and 2 Site
(Reproduced from data in FSAR Table 2.5.2-226)

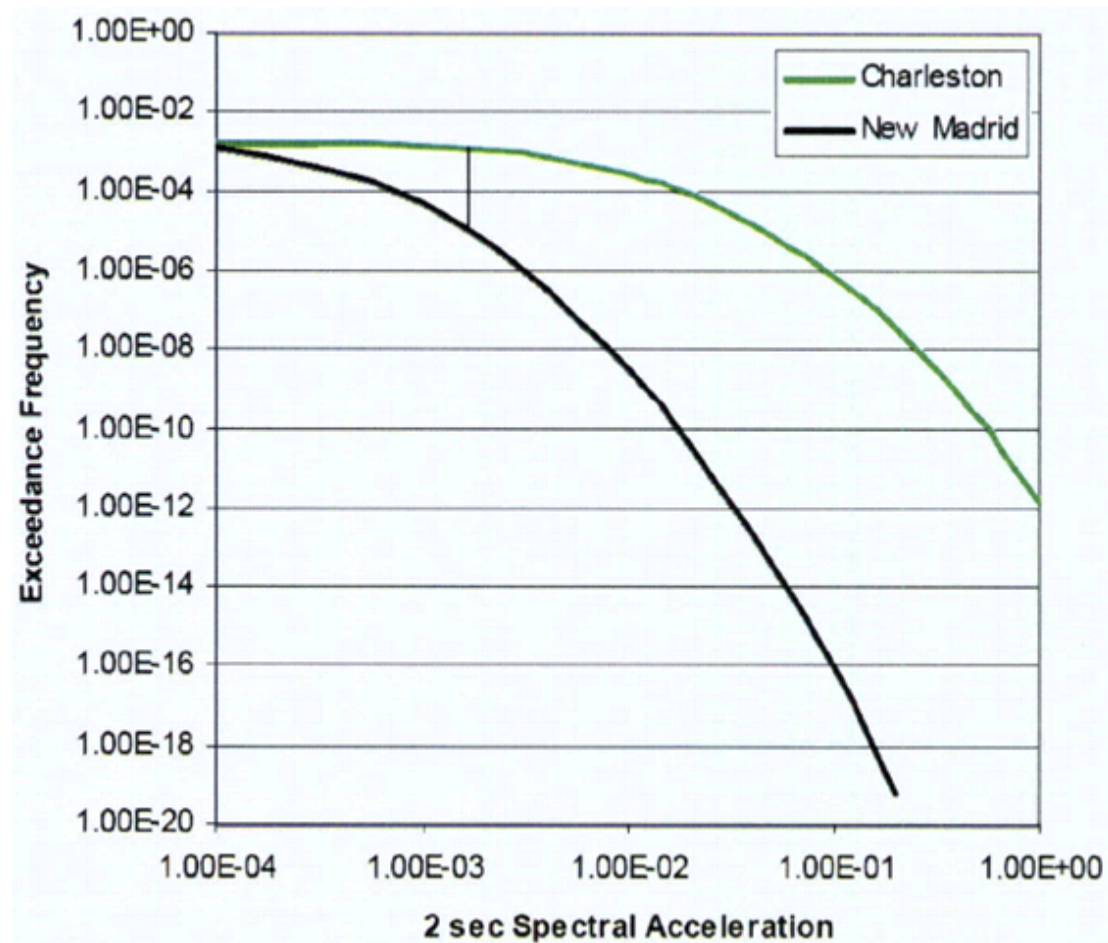


Figure 2.5.2-6. Mean Hazard Curves for the NMSZ (New Madrid) and Charleston Sources of Repeated Large-magnitude Earthquakes
(RAI 02.05.02-18 Figure 1)

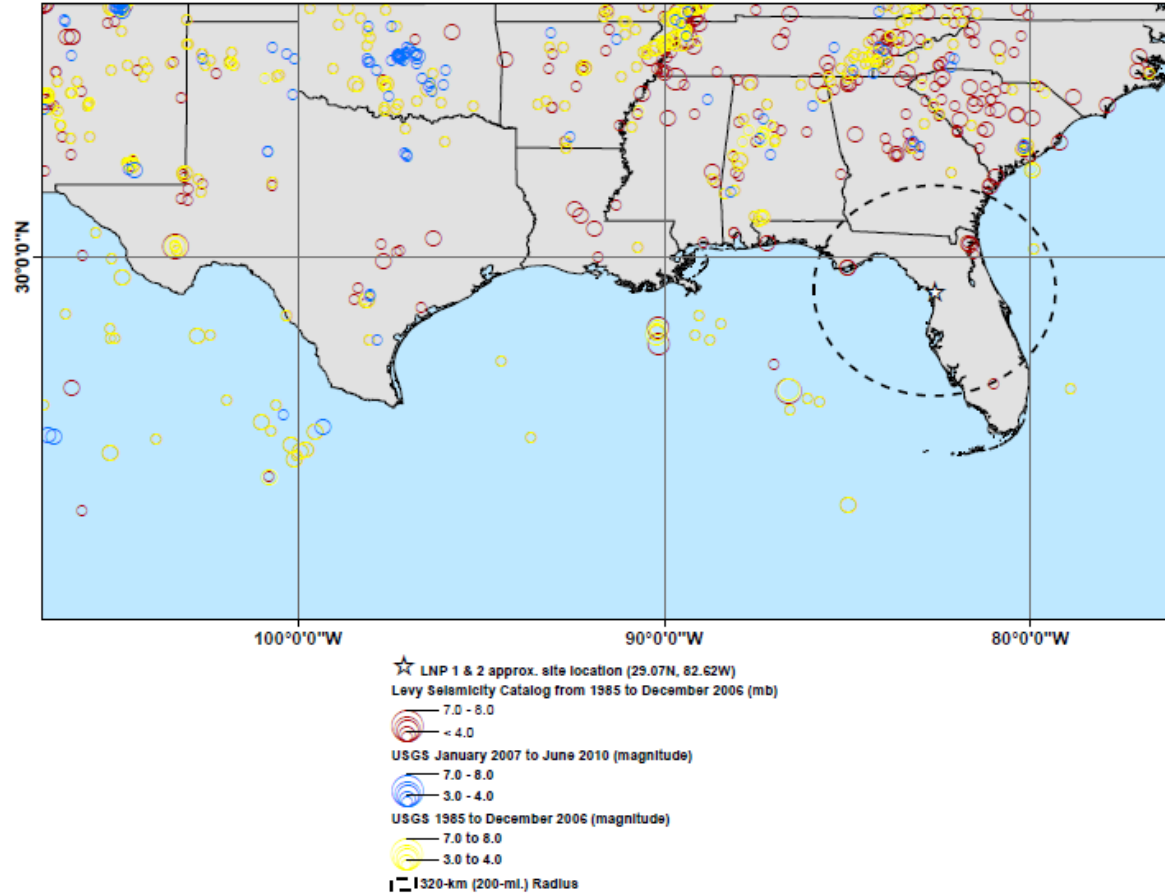


Figure 2.5.2-7. A Comparison of Events ($m_b \geq 3$) from the LNP Unit 1 and 2 Site Earthquake Catalog from 1985 to 2006 (Red Circles), the USGS Earthquake Catalog from 1985 to 2006 (Yellow Circles), and the USGS Earthquake Catalog from 2007 to 2010 (Blue Circles)

The star corresponds to the location of the LNP Unit 1 and 2 site and the dashed black oval corresponds to the 320-km (200-mi) site radius.