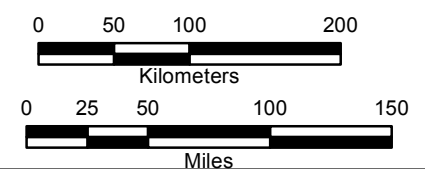


**LEGEND**

- ★ LNP Site
  - - - 320-km (200-mi.) Radius from Site
- Seismic Source Zones (Savy et al., 2002)
- |   |   |
|---|---|
| <p><b>Charleston</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid orange; display: inline-block; width: 15px; height: 10px;"></span> 1A</li> <li><span style="border: 1px solid red; background: repeating-linear-gradient(45deg, transparent, transparent 2px, red 2px, red 4px); display: inline-block; width: 15px; height: 10px;"></span> 1C</li> <li><span style="border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); display: inline-block; width: 15px; height: 10px;"></span> 1B</li> <li><span style="border: 1px solid black; background: repeating-linear-gradient(90deg, transparent, transparent 2px, black 2px, black 4px); display: inline-block; width: 15px; height: 10px;"></span> 1D</li> </ul> <p><b>SC-GA Piedmont/Coastal Plain</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid green; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, green 2px, green 4px); display: inline-block; width: 15px; height: 10px;"></span> 3A-1</li> <li><span style="border: 1px solid green; background: repeating-linear-gradient(45deg, transparent, transparent 2px, green 2px, green 4px); display: inline-block; width: 15px; height: 10px;"></span> 3A-2</li> <li><span style="border: 1px solid green; background: repeating-linear-gradient(90deg, transparent, transparent 2px, green 2px, green 4px); display: inline-block; width: 15px; height: 10px;"></span> 3A-3</li> <li><span style="border: 1px solid green; background: repeating-linear-gradient(135deg, transparent, transparent 2px, green 2px, green 4px); display: inline-block; width: 15px; height: 10px;"></span> 3B</li> <li><span style="border: 1px solid black; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); display: inline-block; width: 15px; height: 10px;"></span> 3C</li> </ul> <p><b>East Tennessee Seismic Zone (ETSZ)</b></p> <ul style="list-style-type: none"> <li><span style="background-color: purple; display: inline-block; width: 15px; height: 10px;"></span> 4A-1</li> <li><span style="background-color: blue; display: inline-block; width: 15px; height: 10px;"></span> 4A-2</li> <li><span style="background-color: orange; display: inline-block; width: 15px; height: 10px;"></span> 4A-3</li> </ul> | <p><b>Background Zones</b></p> <p><b>Appalachian/Central United States</b></p> <ul style="list-style-type: none"> <li><span style="background-color: yellow; display: inline-block; width: 15px; height: 10px;"></span> 5-1</li> <li><span style="background-color: lightyellow; display: inline-block; width: 15px; height: 10px;"></span> 5-2</li> <li><span style="background-color: lightorange; display: inline-block; width: 15px; height: 10px;"></span> 5-3</li> </ul> <p><b>Central Virginia Seismic Zone</b></p> <ul style="list-style-type: none"> <li><span style="background-color: brown; display: inline-block; width: 15px; height: 10px;"></span> 6</li> </ul> <p><b>Coast Plain Zone</b></p> <ul style="list-style-type: none"> <li><span style="border: 1px solid purple; display: inline-block; width: 15px; height: 10px;"></span> 7</li> </ul> <p><b>Offshore</b></p> <ul style="list-style-type: none"> <li><span style="background-color: pink; display: inline-block; width: 15px; height: 10px;"></span> 8</li> </ul> |
|---|---|

**Independent Seismicity Catalog (1758 - 2007)**

- Magnitude (Emb)**
- 3.0 - 3.9
  - 4.0 - 4.9
  - 5.0 - 5.9
  - 6.0 - 6.9
  - 7.0 - 8.5
- EPRI-SOG (1758 - 1985)
  - Post-EPRI-SOG (1985 - 2007)
  - Added Historical



Progress Energy Florida  
**Levy Nuclear Plant  
 Units 1 and 2  
 Part 2, Final Safety Analysis Report**

LLNL TIP Seismic Source Zones  
 FIGURE 2.5.2-210  
 Rev 3