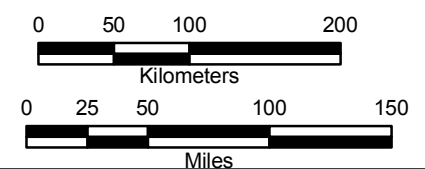


**LEGEND**

- ★ LNP Site
  - - - 320-km (200-mi.) Radius from Site
- Seismic Source Zones (Savy et al., 2002)
- |   |  |
|---|--|
| <b>Charleston</b>                             | <b>Background Zones</b>                  |
| 1A  | Appalachian/<br>Central United States    |
| 1C  | 5-1                                      |
| 1B  | 5-2                                      |
| 1D  | 5-3                                      |
| <b>SC-GA Piedmont/<br/>Coastal Plain</b>      | <b>Central Virginia<br/>Seismic Zone</b> |
| 3A-1  | 6  |
| 3A-2  | <b>Coast Plain Zone</b>                  |
| 3A-3  | 7  |
| 3B  | <b>Offshore</b>                          |
| 3C  | 8  |
| <b>East Tennessee<br/>Seismic Zone (ETSZ)</b> |  |
| 4A-1  |  |
| 4A-2  |  |
| 4A-3  |  |

- Independent Seismicity Catalog  
(1758 - 2007)**  
(Source: Geomatrix, 2008)
- Magnitude ( $m_b$ )**
- 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 0