



**Explanation**

- Pre-1986 Fault
- Post-1986 Fault
- ⊖ Bowman Seismic Zone (Smith & Talwani, 1985)
- ⊖ Middleton Place Summerville Seismic Zone (Madabhushi & Talwani, 1990)

**Liquefaction Features**

- ⊕ Paleoliquefaction Site (Amick et al., 1990 and Talwani & Schaeffer, 2001)
- ◇ 1886 Liquefaction Feature (Amick et al., 1990)
- ◇ Liquefaction Feature of unknown age (Amick et al., 1990)
- ◇ "Reported" 1886 Liquefaction Feature (Talwani & Schaeffer, 2001; Fig.1)

**1886 Charleston Isoseismals**  
(Bollinger, 1977)

**Intensity**

VI	IX
VII	X
VIII	

**Earthquake Epicenters (by Magnitude,  $m_b$ )**

EPRI catalog (1627 - 1984)	Eastern US seismicity (1985 - 2003)
● 3.00 - 3.99	□ 3.00 - 3.99
● 4.00 - 4.99	□ 4.00 - 4.70
● 5.00 - 5.99	
● 6.00 - 6.99	
● 7.00 - 7.35	

WLS COL 2.5-1

WILLIAM STATES LEE III  
NUCLEAR STATION UNITS 1 & 2

Regional Charleston Tectonic Features

FIGURE 2.5.1-215 Rev 0