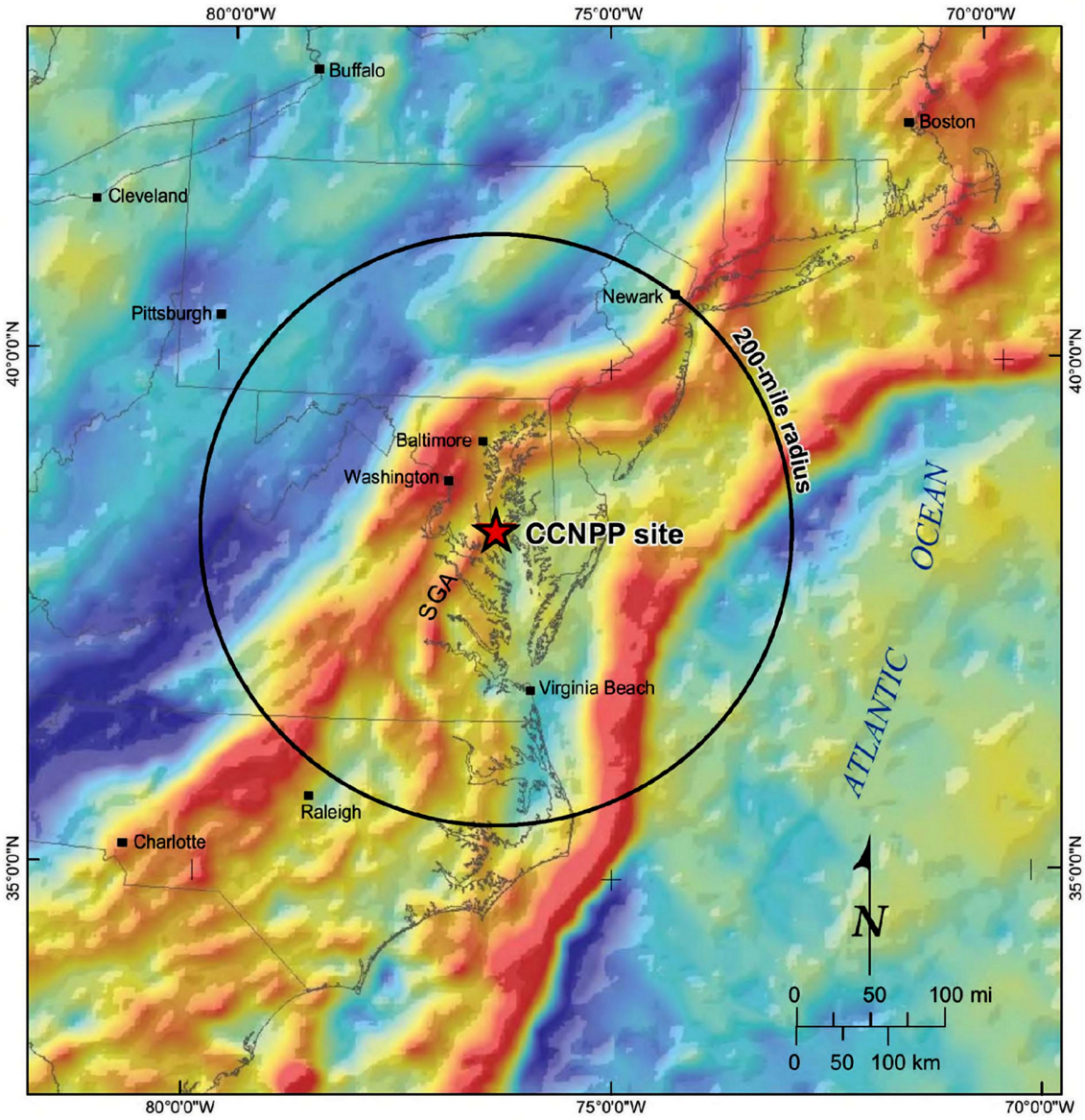
**Figure 2.5-21—{Regional Gravity Anomaly Map}**




**Explanation**

SGA Salisbury geophysical anomaly

*Gravity Anomaly*

87 mgals

0

-110 mgals

Notes: 1. Gravity data from Hittelman et al. (1994).
2. Gravity measurements over land are Bouger gravity anomalies.
3. Gravity measurements over water are free-air anomalies.


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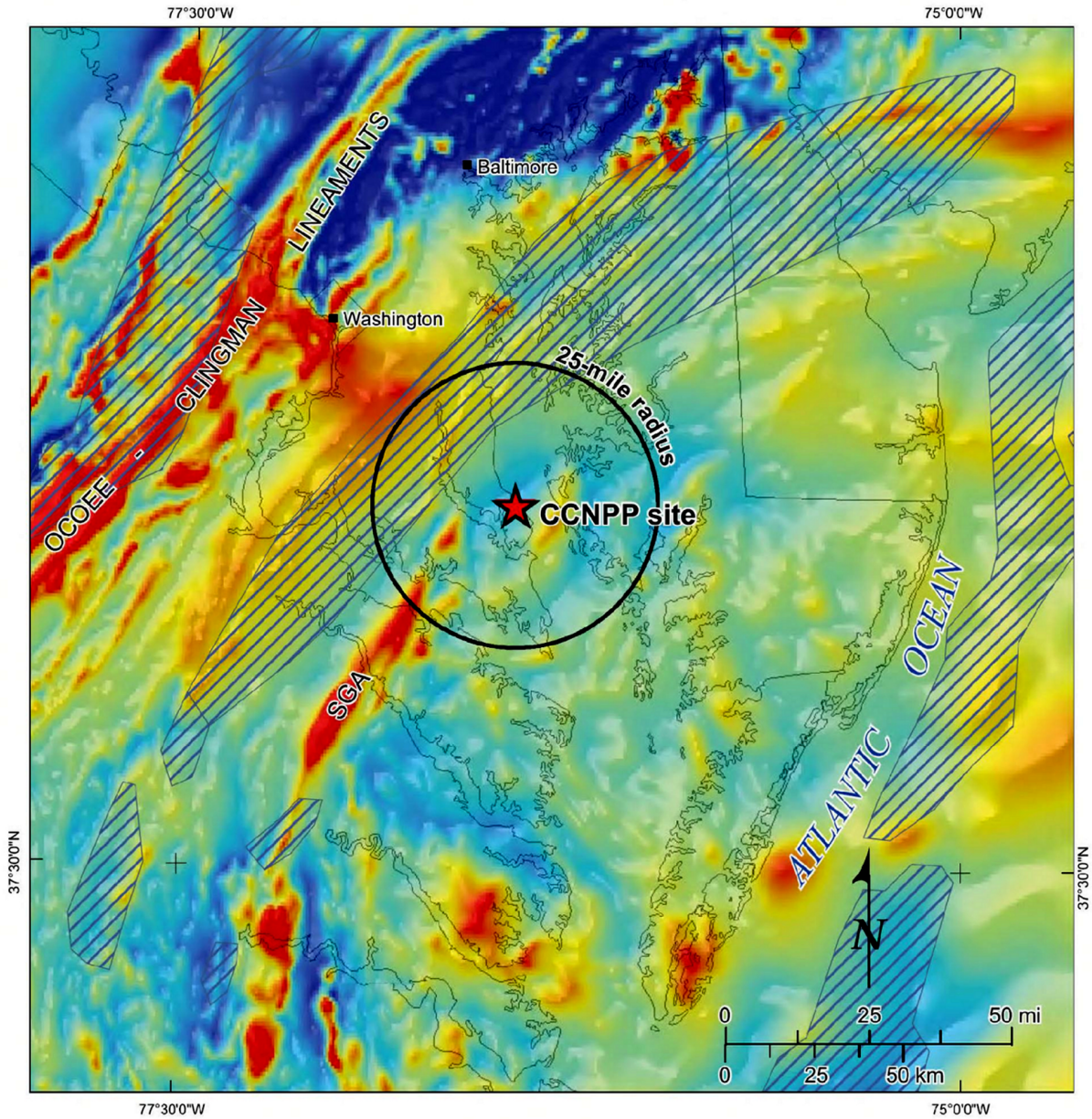
**Figure 2.5-22—{Chesapeake Bay Region Magnetic Anomalies with Mesozoic Basins}**




**Explanation**

Mesozoic basin (Withjack et al., 1998)

SGA Salisbury geophysical anomaly

*Aeromagnetics*

8215 nanoteslas

0

-1730 nanoteslas

Note: Aeromagnetic data from Bankey et al. (2002).


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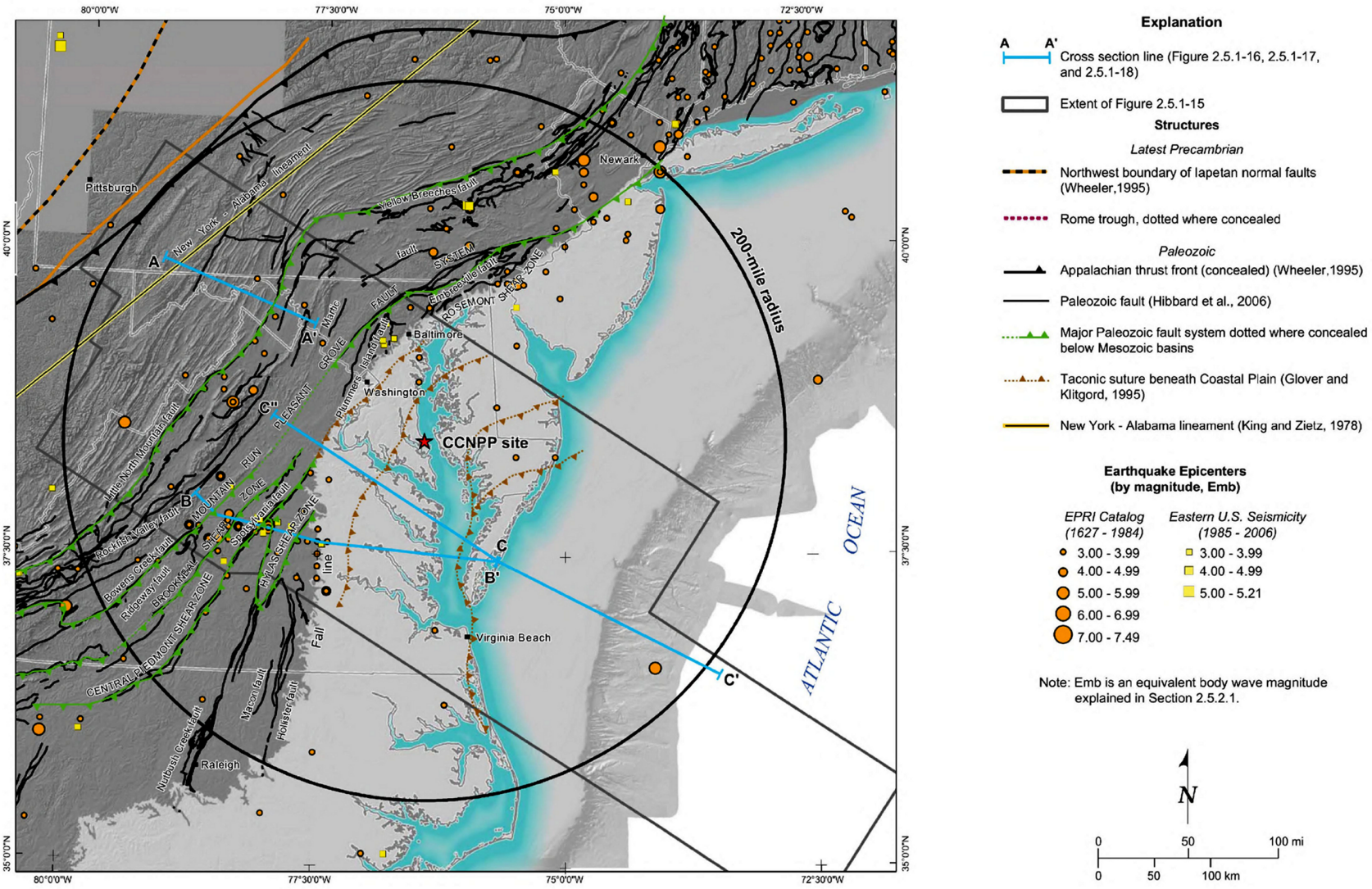
**Figure 2.5-23—{Late Proterozoic and Paleozoic Tectonic Features}**




**Explanation**

A — A' Cross section line (Figure 2.5.1-16, 2.5.1-17, and 2.5.1-18)

Extent of Figure 2.5.1-15

**Structures**

*Latest Precambrian*

Northwest boundary of Iapetan normal faults (Wheeler,1995)

Rome trough, dotted where concealed

*Paleozoic*

Appalachian thrust front (concealed) (Wheeler,1995)

Paleozoic fault (Hibbard et al., 2006)

Major Paleozoic fault system dotted where concealed below Mesozoic basins

Taconic suture beneath Coastal Plain (Glover and Klitgord, 1995)

New York - Alabama lineament (King and Zietz, 1978)

**Earthquake Epicenters (by magnitude, Emb)**

| *EPRI Catalog (1627 - 1984)* | *Eastern U.S. Seismicity (1985 - 2006)* |
|---|---|
| 3.00 - 3.99 | 3.00 - 3.99 |
| 4.00 - 4.99 | 4.00 - 4.99 |
| 5.00 - 5.99 | 5.00 - 5.21 |
| 6.00 - 6.99 | |
| 7.00 - 7.49 | |

Note: Emb is an equivalent body wave magnitude explained in Section 2.5.2.1.

N

0 50 100 mi

0 50 100 km



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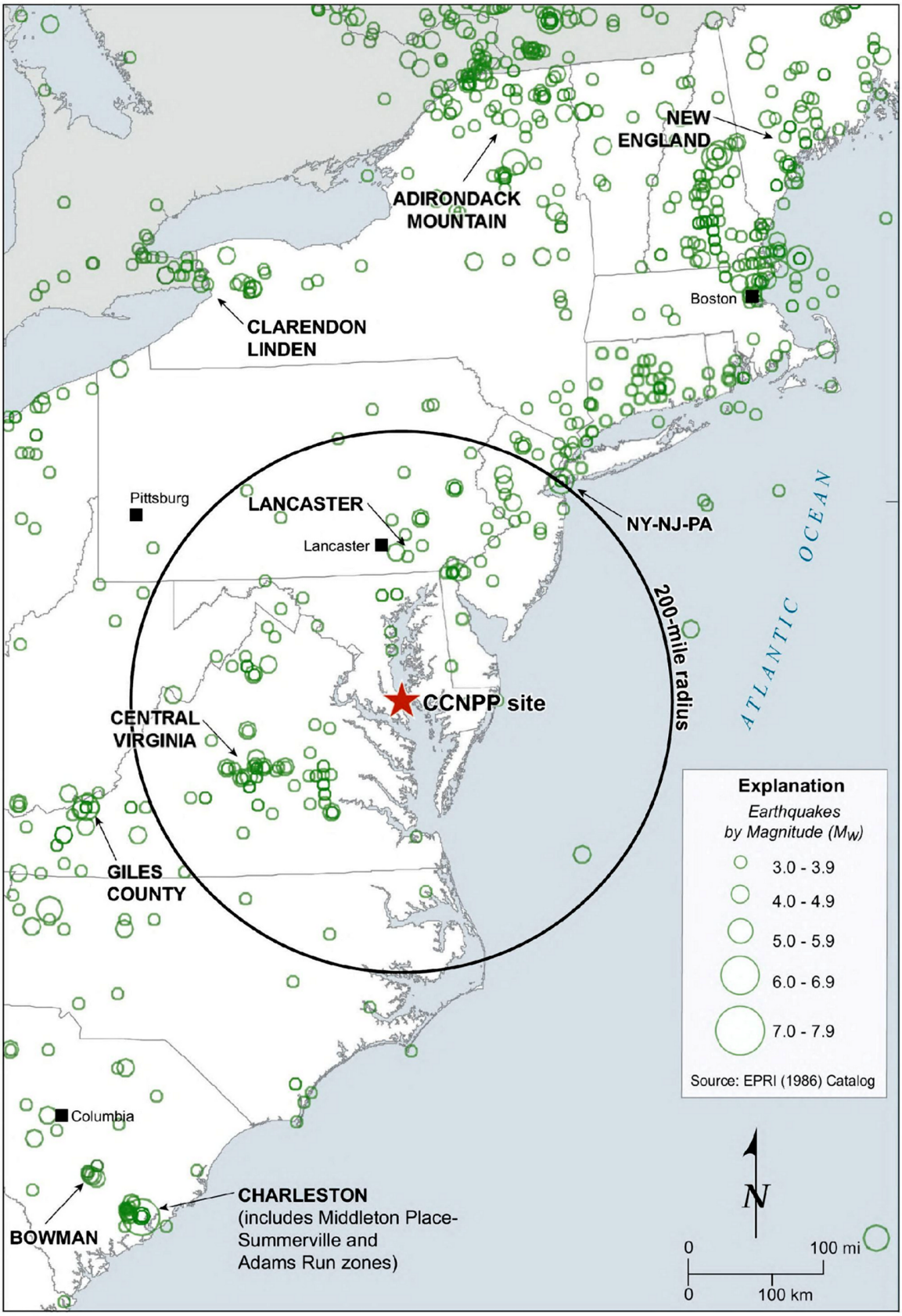
FSAR Section 2.5

**Figure 2.5-24—{Seismic Zones and Seismicity in CEUS}**





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