Figure 2.5-16— {Regional Strip Maps Showing Tectonostratigraphic Divisions and Regional Cross-Section Lines}

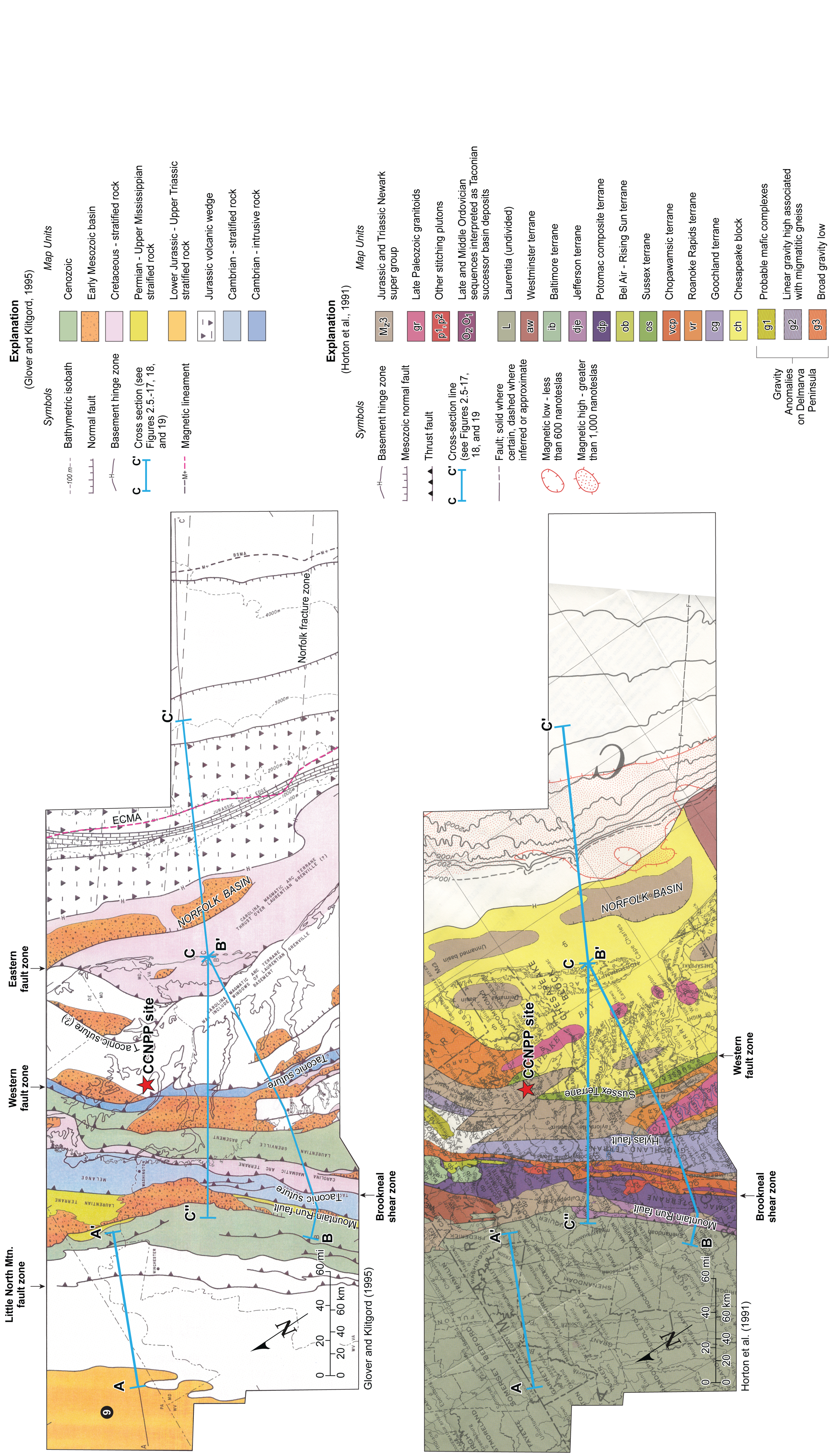


Figure 2.5-17— {Crustal-Scale Cross Section Through the Appalachian Orogen and Coastal Plain}

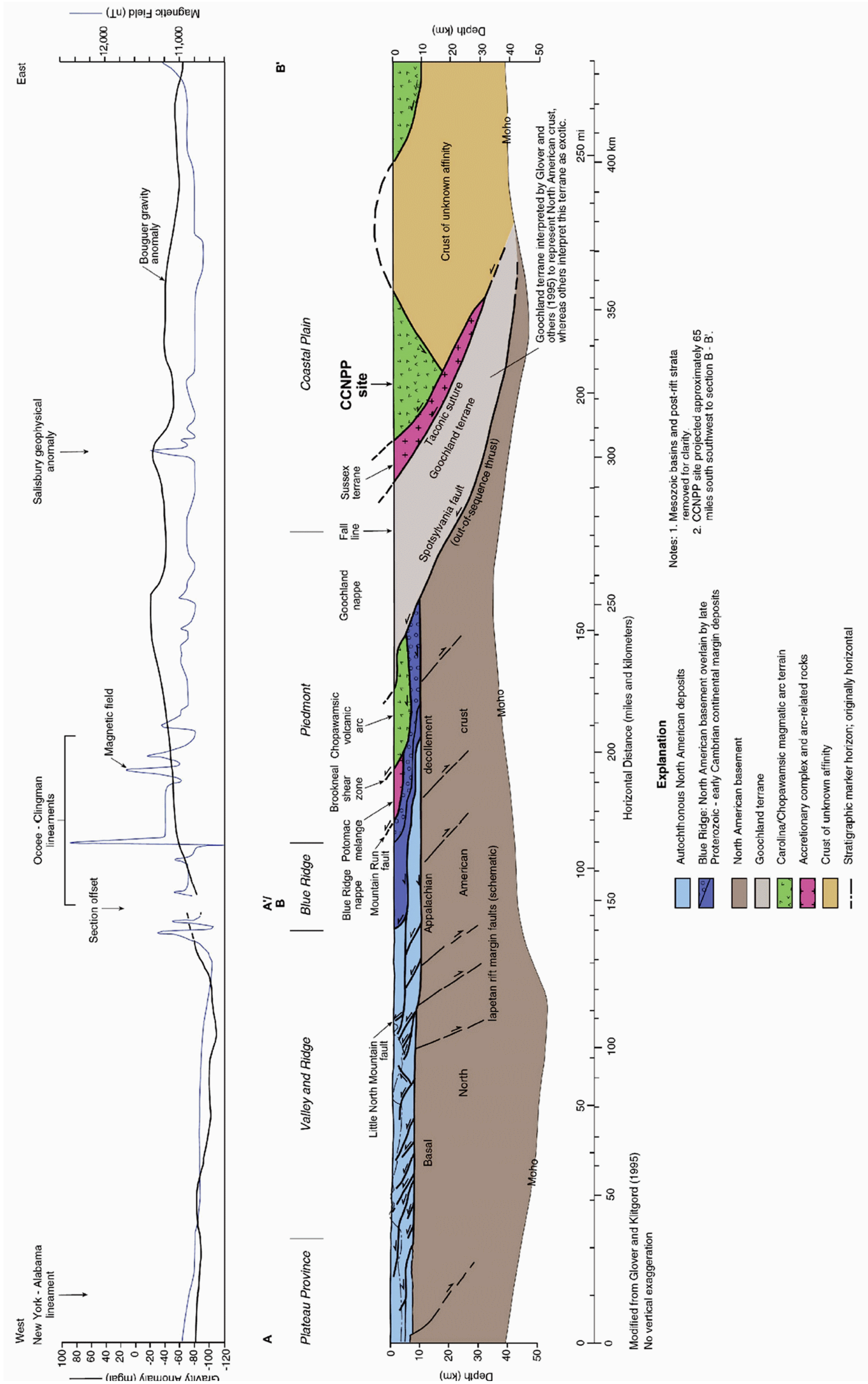


Figure 2.5-18— {Crustal-Scale Cross Section Across the Mid-Atlantic Continental Shelf, Slope and Rise}

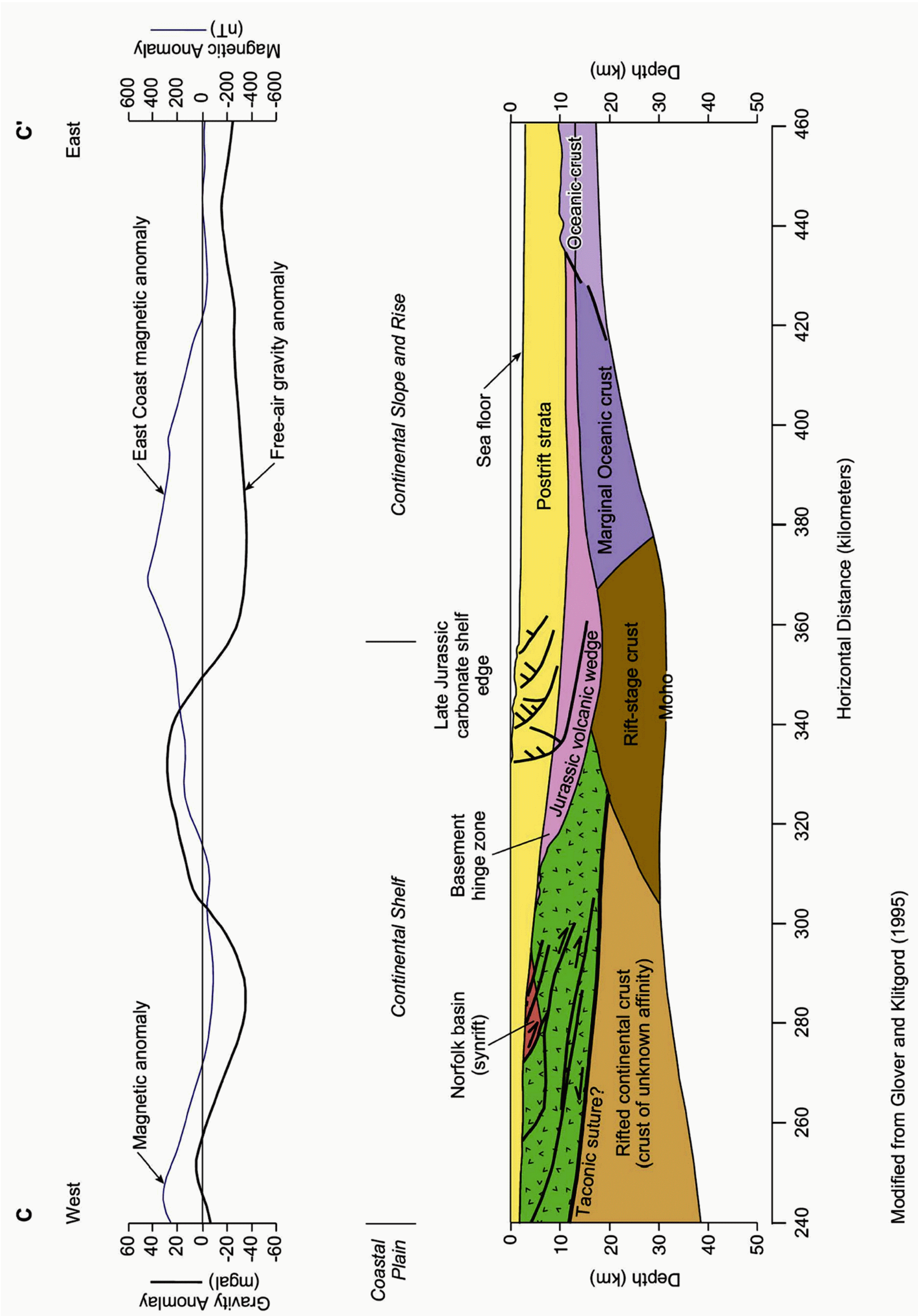
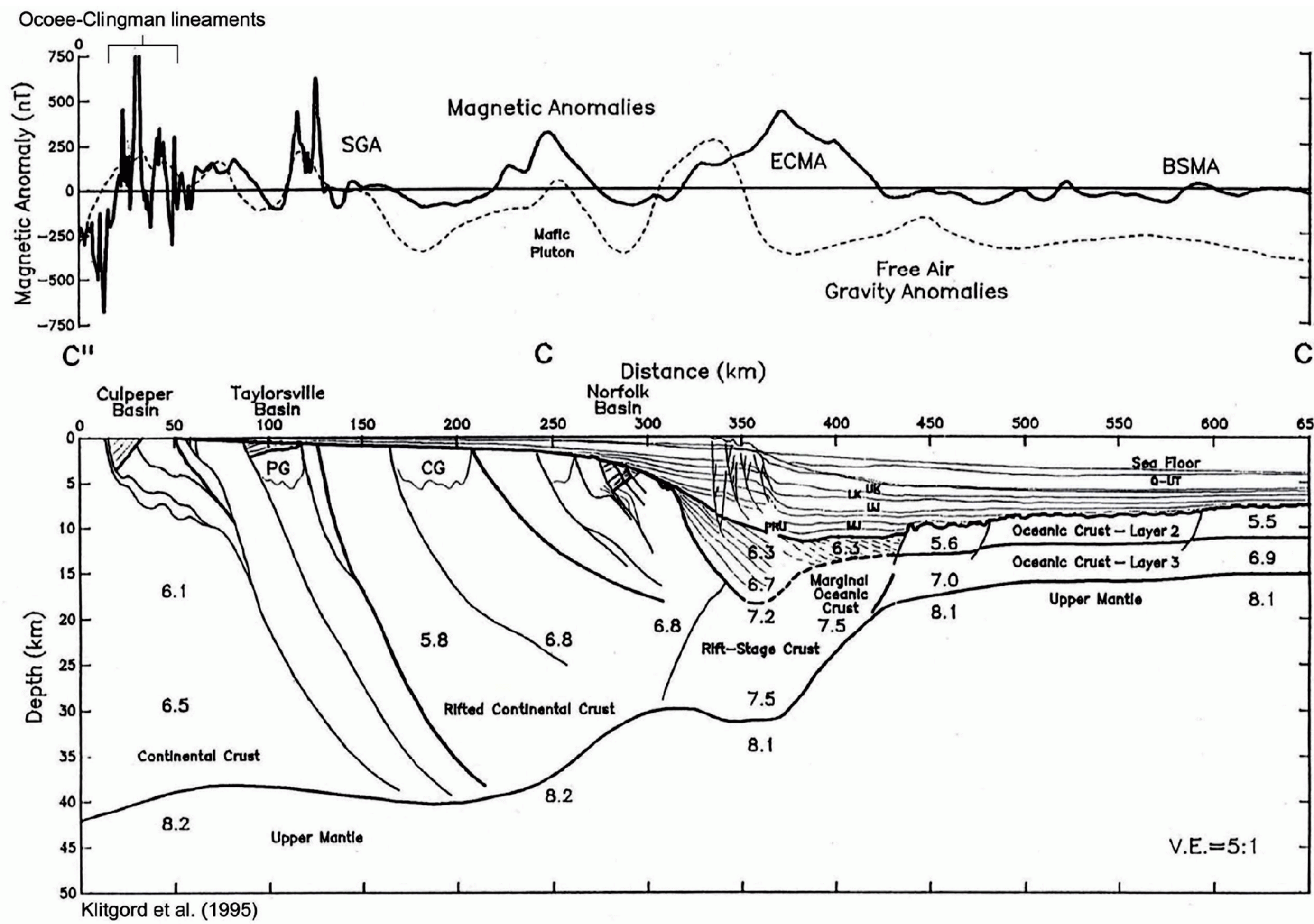


Figure 2.5-19— {Crustal-Scale Cross Section of the Mid-Atlantic Passive Margin}



Cross section along line C" - C - C' displaying selected crustal fractures. Surface features along segment C" - C are taken directly from the geologic map panel. Subsurface features have been projected northward onto the profile from cross section B - B'. Magnetic and gravity anomaly profiles along the section and selected refraction velocity values (in km/sec) are shown. Major sub-horizontal crustal boundaries are indicated by heavy lines. Sedimentary strata are indicated by the light lines above the upper heavy line. SGA - Salisbury geophysical anomaly; ECMA = East Coast magnetic anomaly; BSMA = Blake Spur magnetic anomaly; PG = Petersburg Granite; CG = Chesapeake Granite. See Figure 2.5.1-15 for section location. C- C' is the same as Figure 2.5.1-17, but represents an alternative interpretation.

Figure 2.5-20— {Regional Magnetic Anomaly Map}

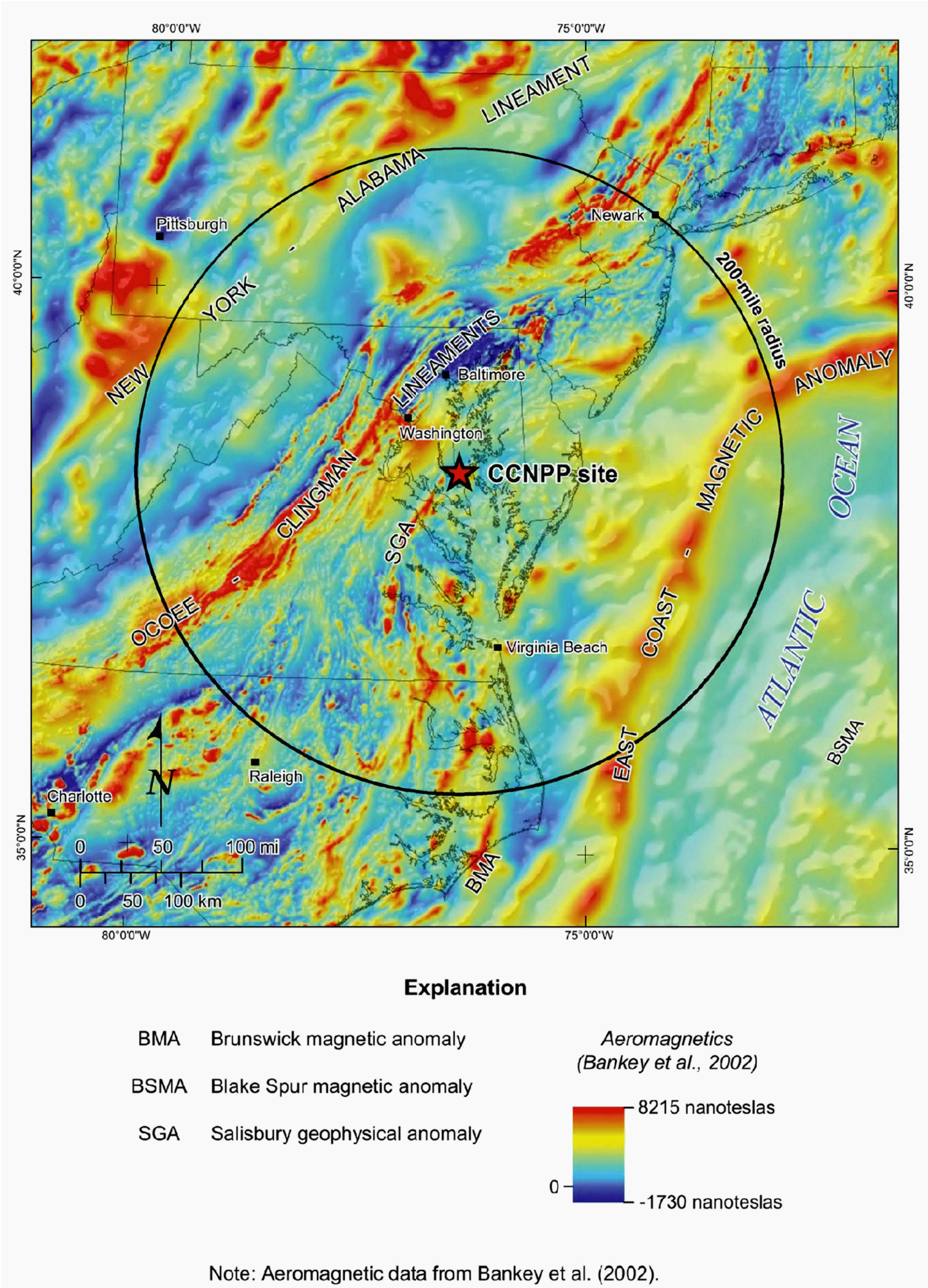
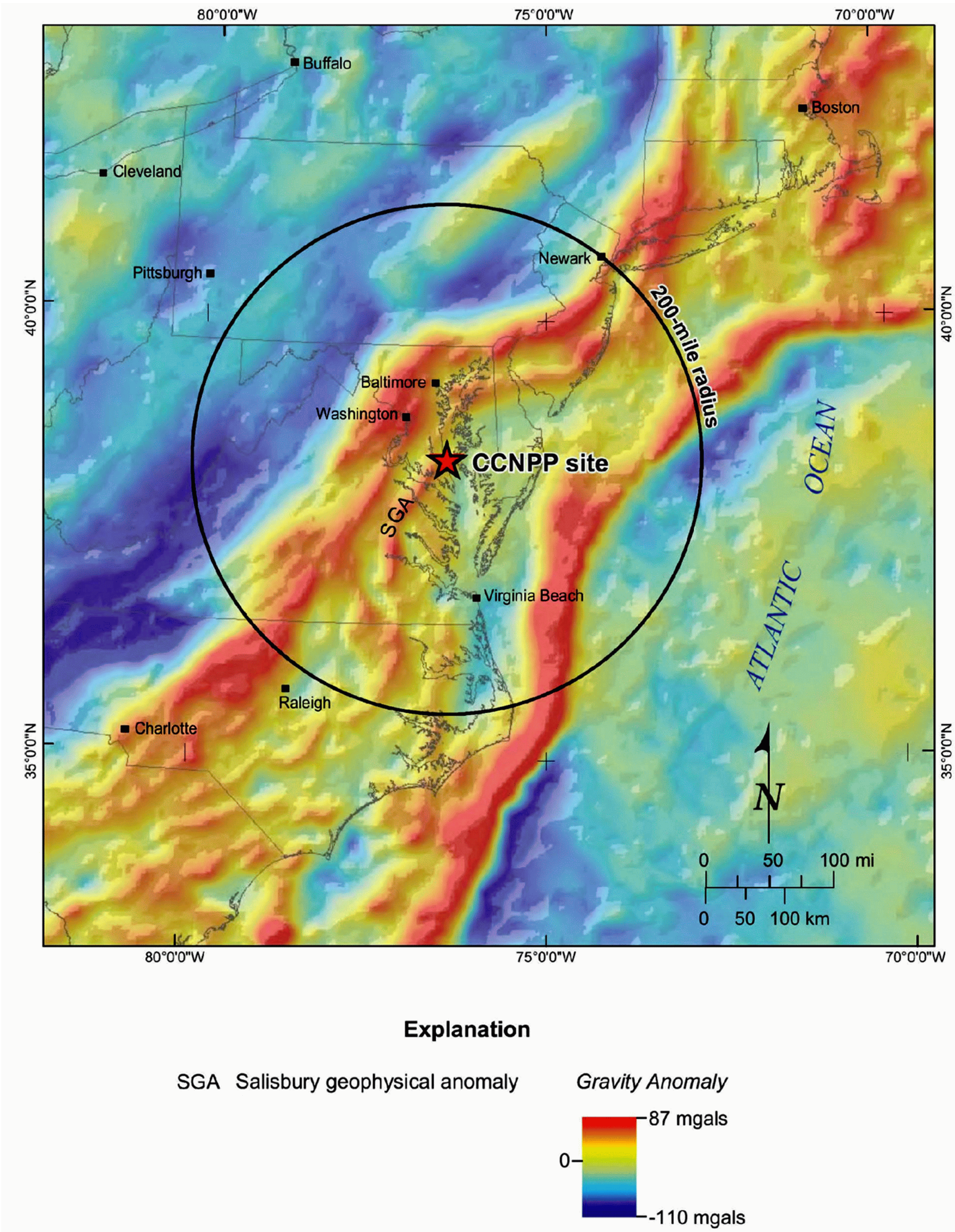
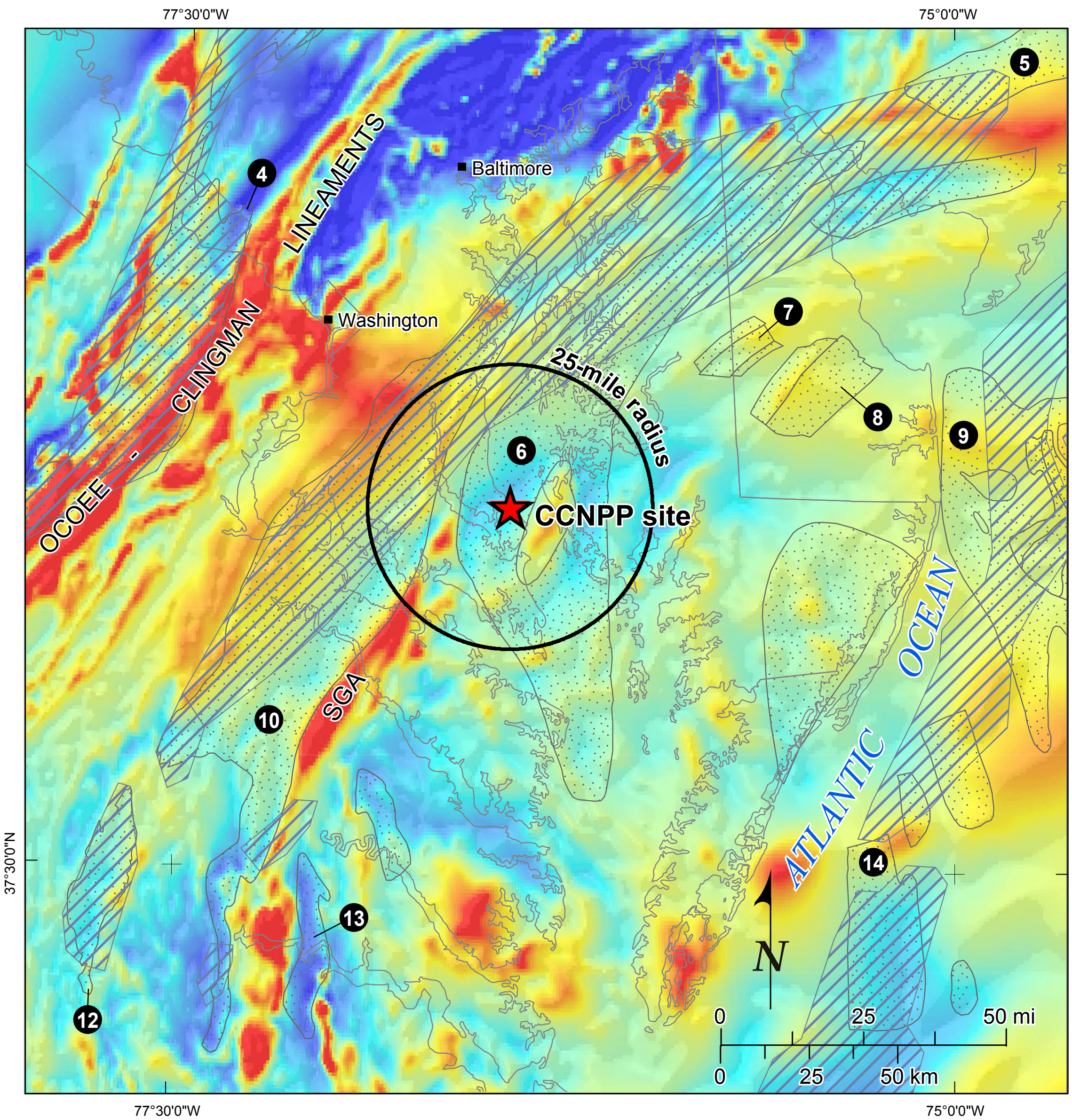


Figure 2.5-21— {Regional Gravity Anomaly Map}



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.

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



Explanation

Mesozoic basin, Schlische and Olsen (1990)

Mesozoic basin, Benson (1992)

SGA Salisbury geophysical anomaly

14 Mesozoic basin names listed on Figure 2.5-10 (Benson 1992)

Aeromagnetics

2116 nanoteslas

0

-819 nanoteslas

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

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

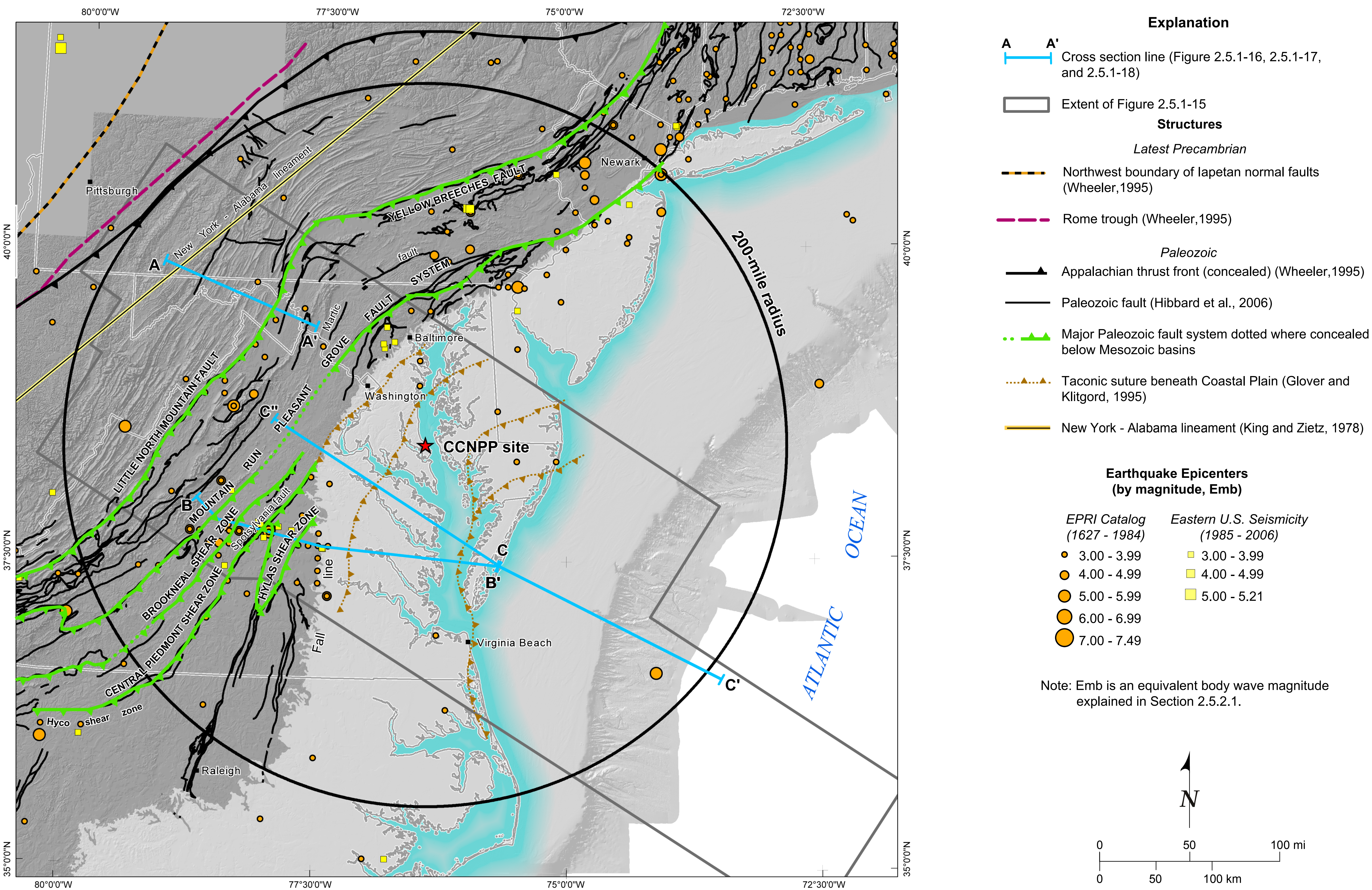


Figure 2.5-24— {Seismic Zones and Seismicity in CEUS}

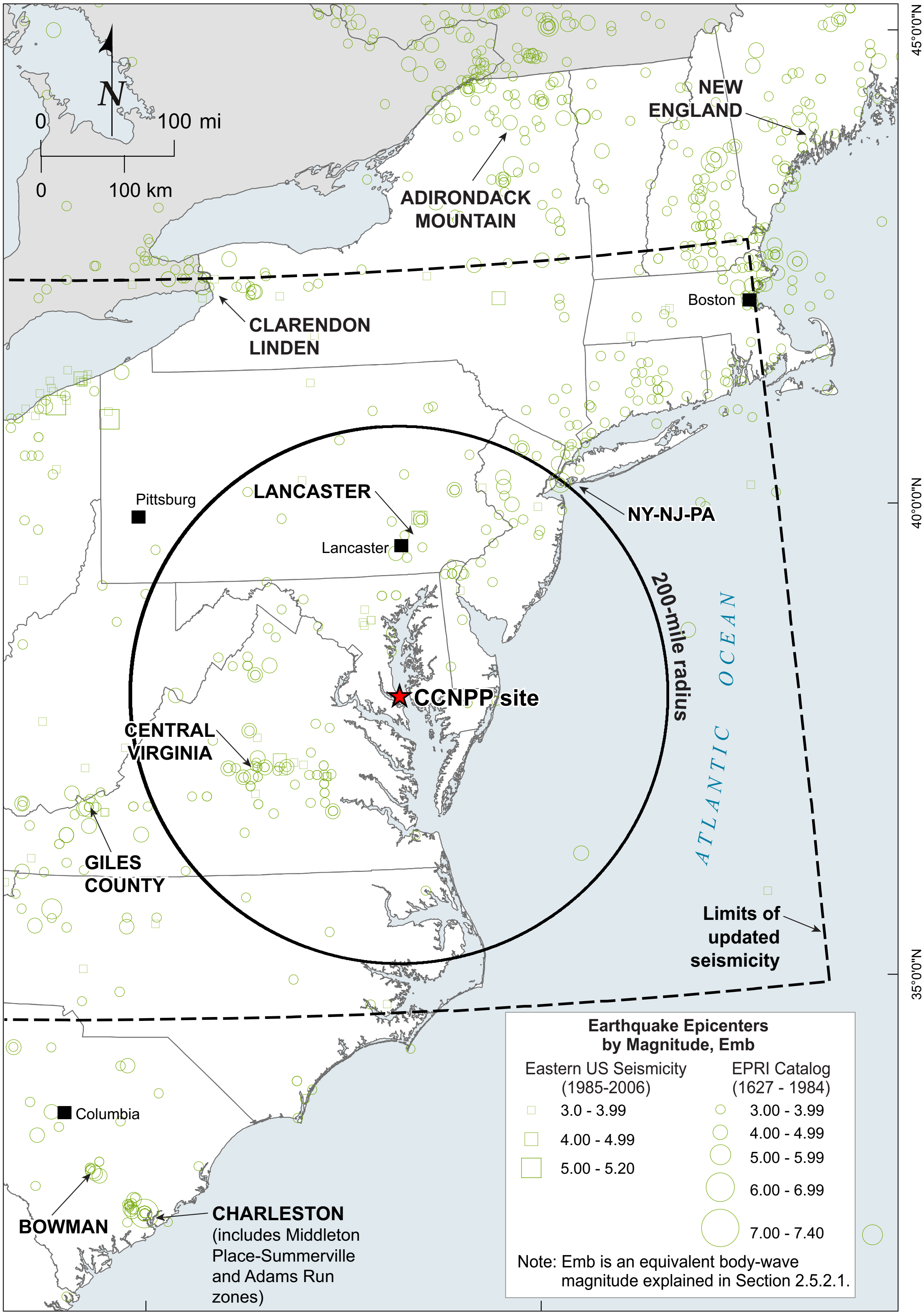


Figure 2.5-25— {Map of Tertiary Tectonic Features}

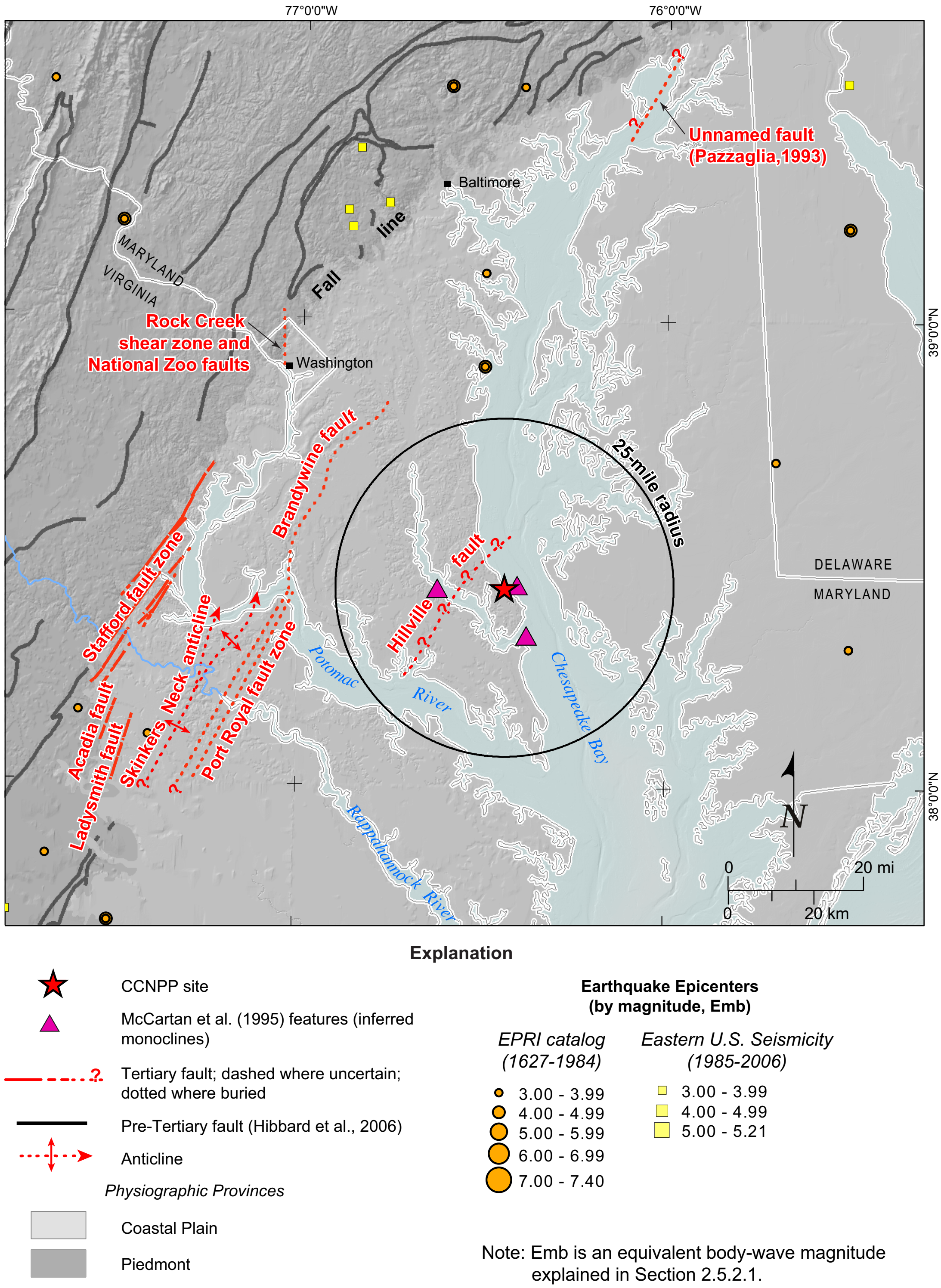
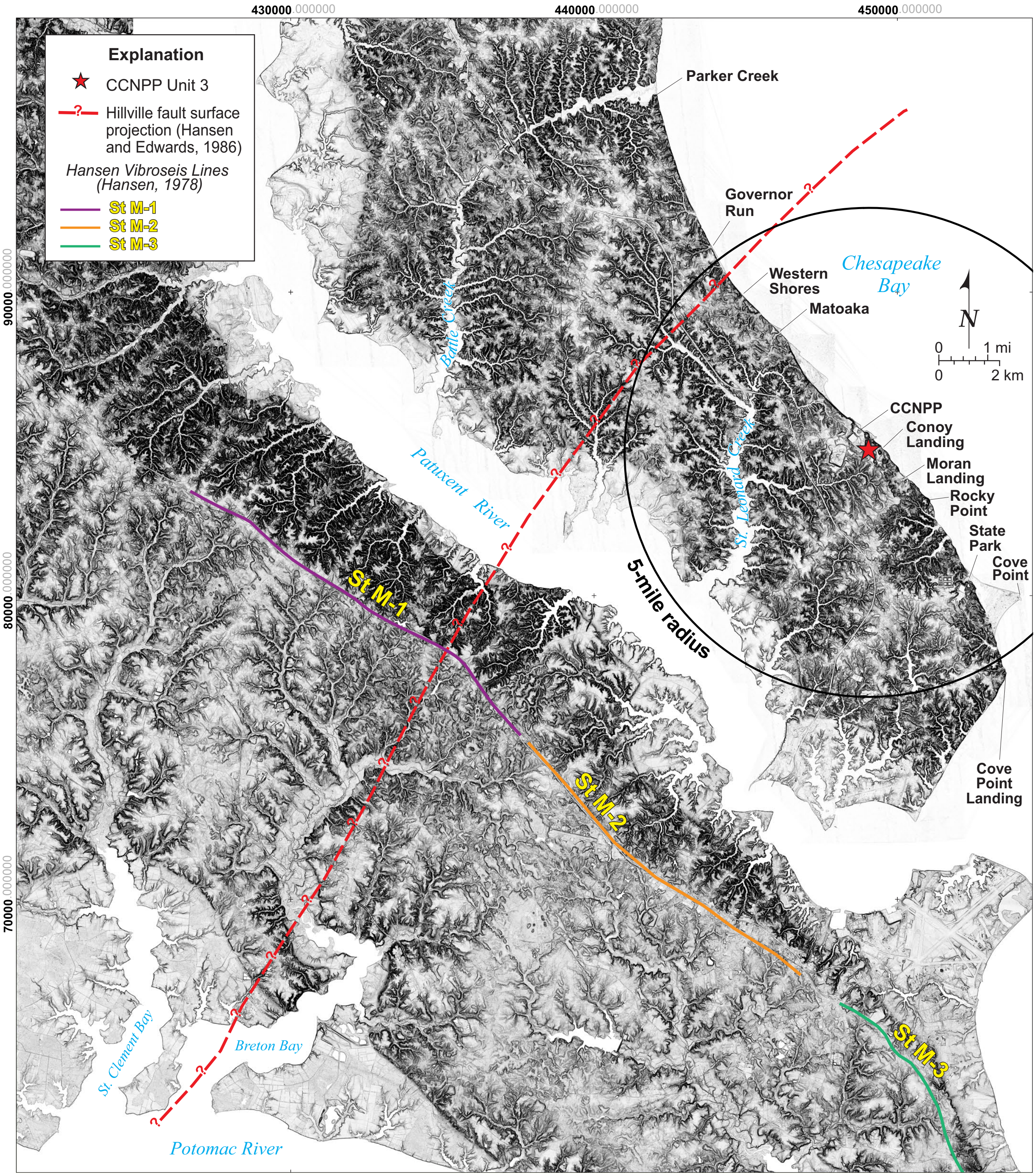


Figure 2.5-26— {LiDAR Data for Calvert and St. Mary's Counties}



Note: LiDAR data for Calvert and St. Mary's County has a resolution of 2 meters.

Figure 2.5-27— {Site Vicinity Geologic Map 25-Mile (40-Km) Radius}

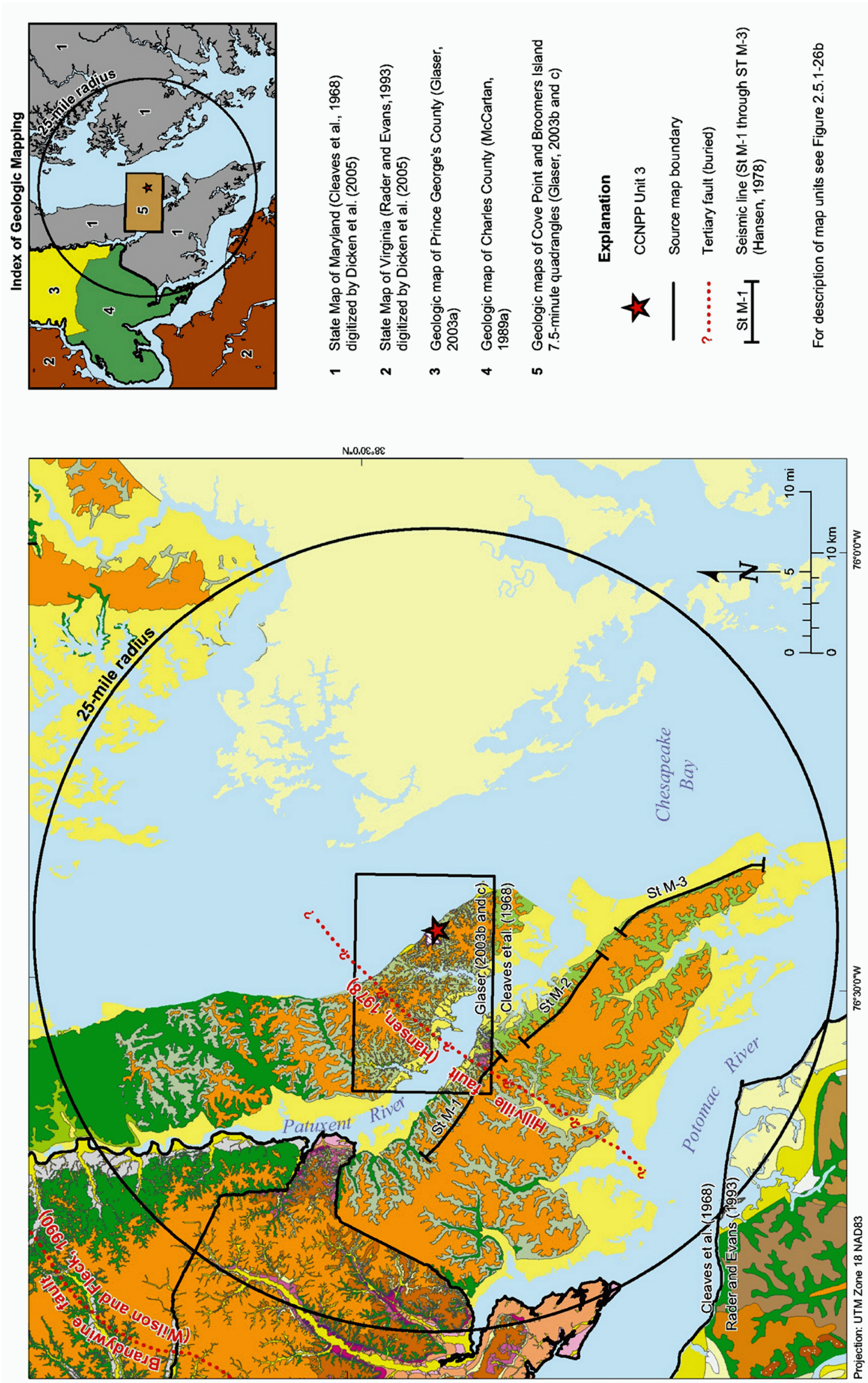


Figure 2.5-28— {Site Vicinity Geologic Map 25-Mile (40-Km) Radius Unit Descriptions}