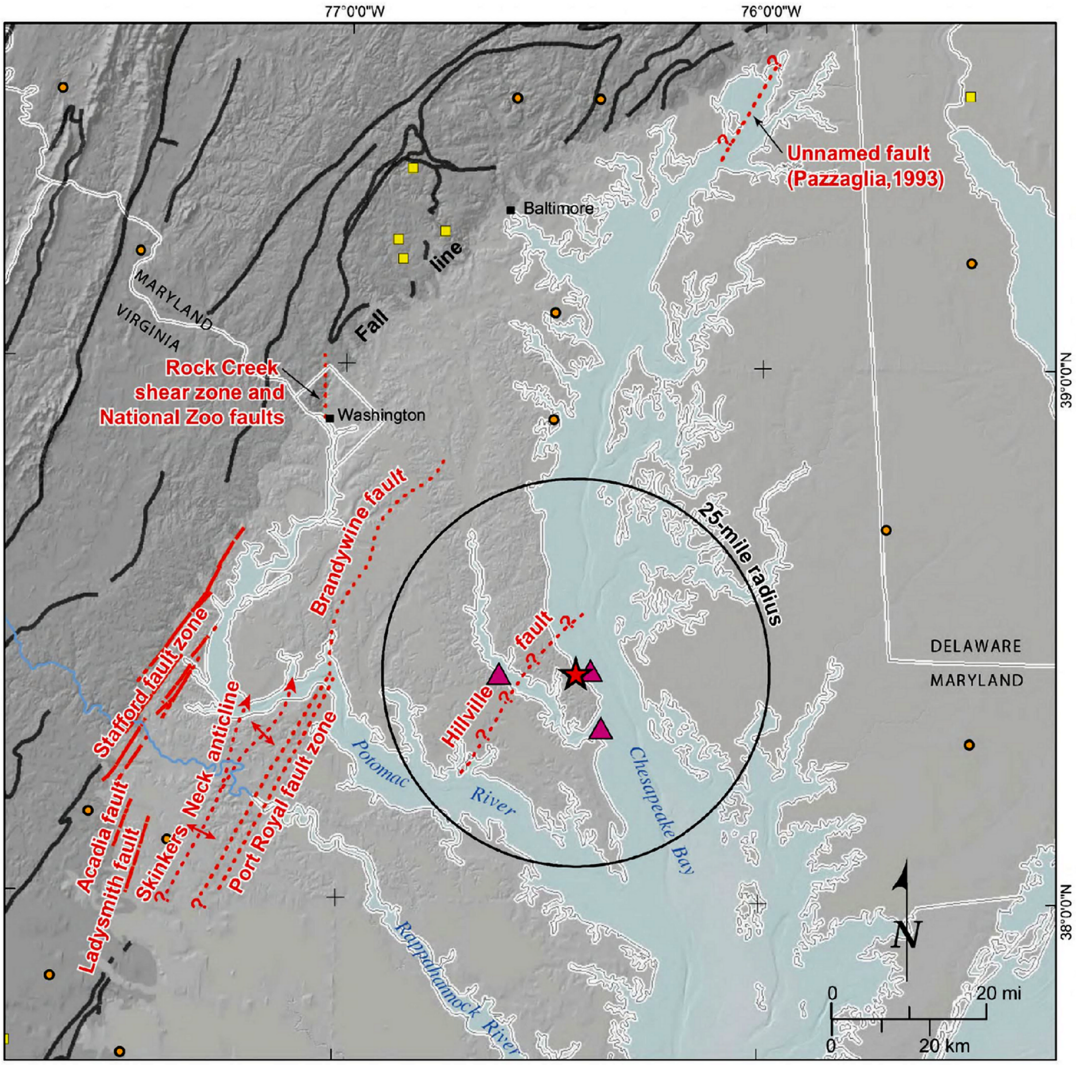
Figure 2.5-25—{Map of Tertiary Tectonic Features}



Explanation

CCNPP site

McCartan et al. (1995) features

Tertiary fault; dashed where uncertain; dotted where buried

Pre-Tertiary fault (Hibbard et al., 2006)

Anticline

Physiographic Provinces

Coastal Plain

Piedmont

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 - 7.40	

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

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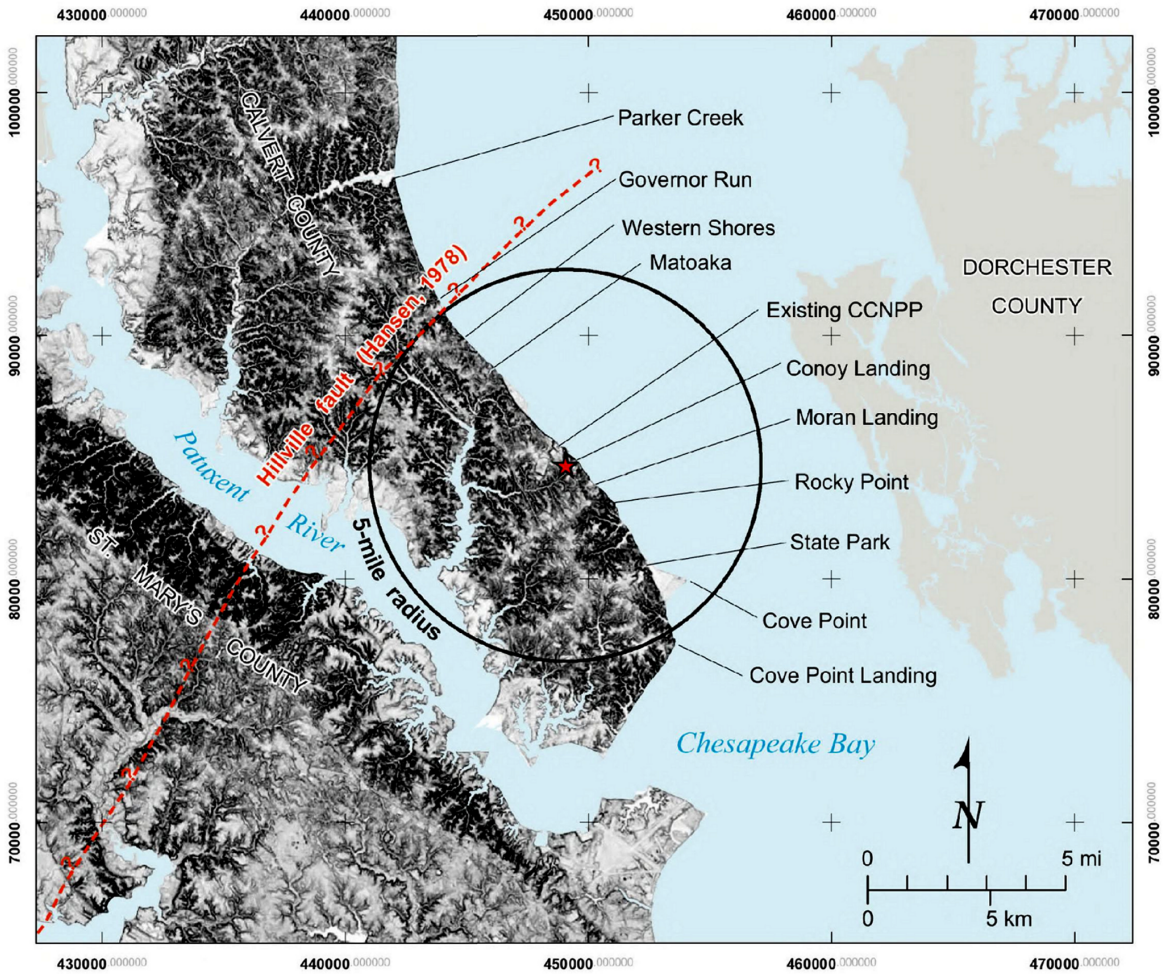
Figure 2.5-26—{LiDAR Data for Calvert and St. Mary's Counties}



Maryland State plane projection, NAD 83

Explanation

★ CCNPP Unit 3

? - - - - - Tertiary fault buried

LiDAR slope map

Degrees slope

High : 83.5

Low : 0.0

Note: LiDAR data for Calvert and St. Mary's County has an ~2-meter resolution. Text leadlines refer to reference locations from Kidwell (1997).

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

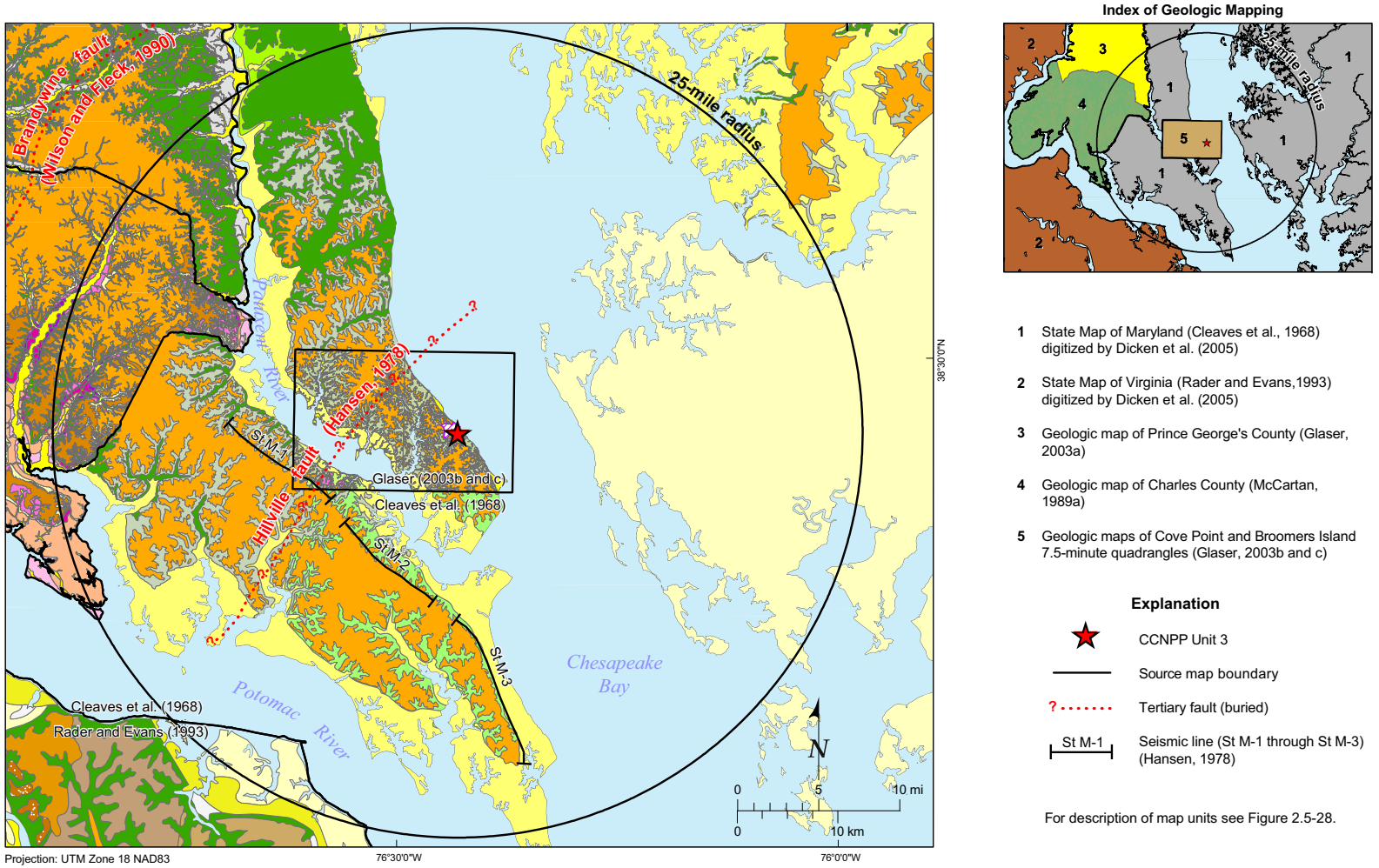

Figure 2.5-27 – {Site Vicinity Geologic Map 25-mile (40-km) Radius}

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FSAR Section 2.5