Figure 2.5-219—{Surficial Sediment Description Overlaid in LiDAR Bata Base Map}

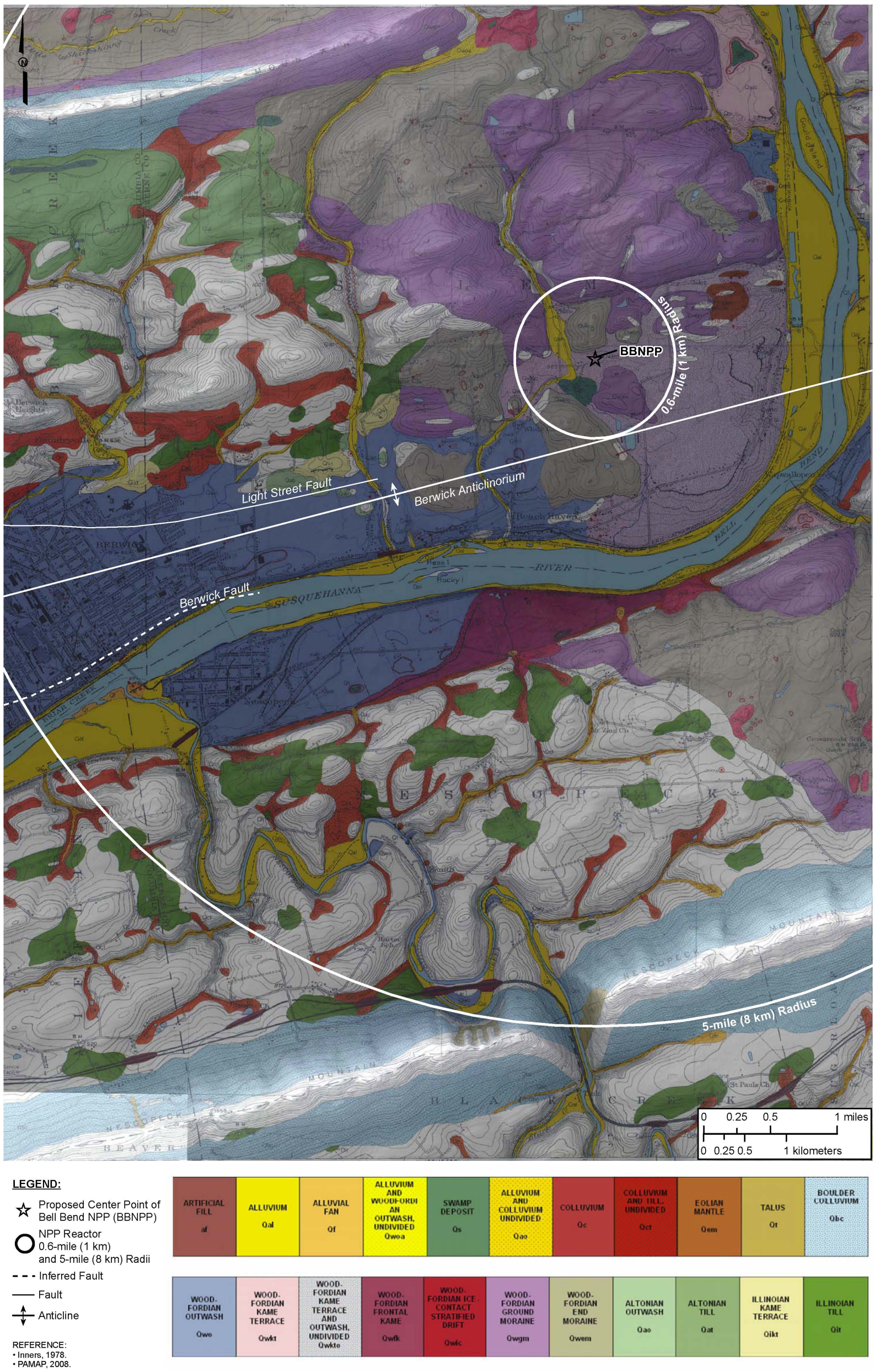

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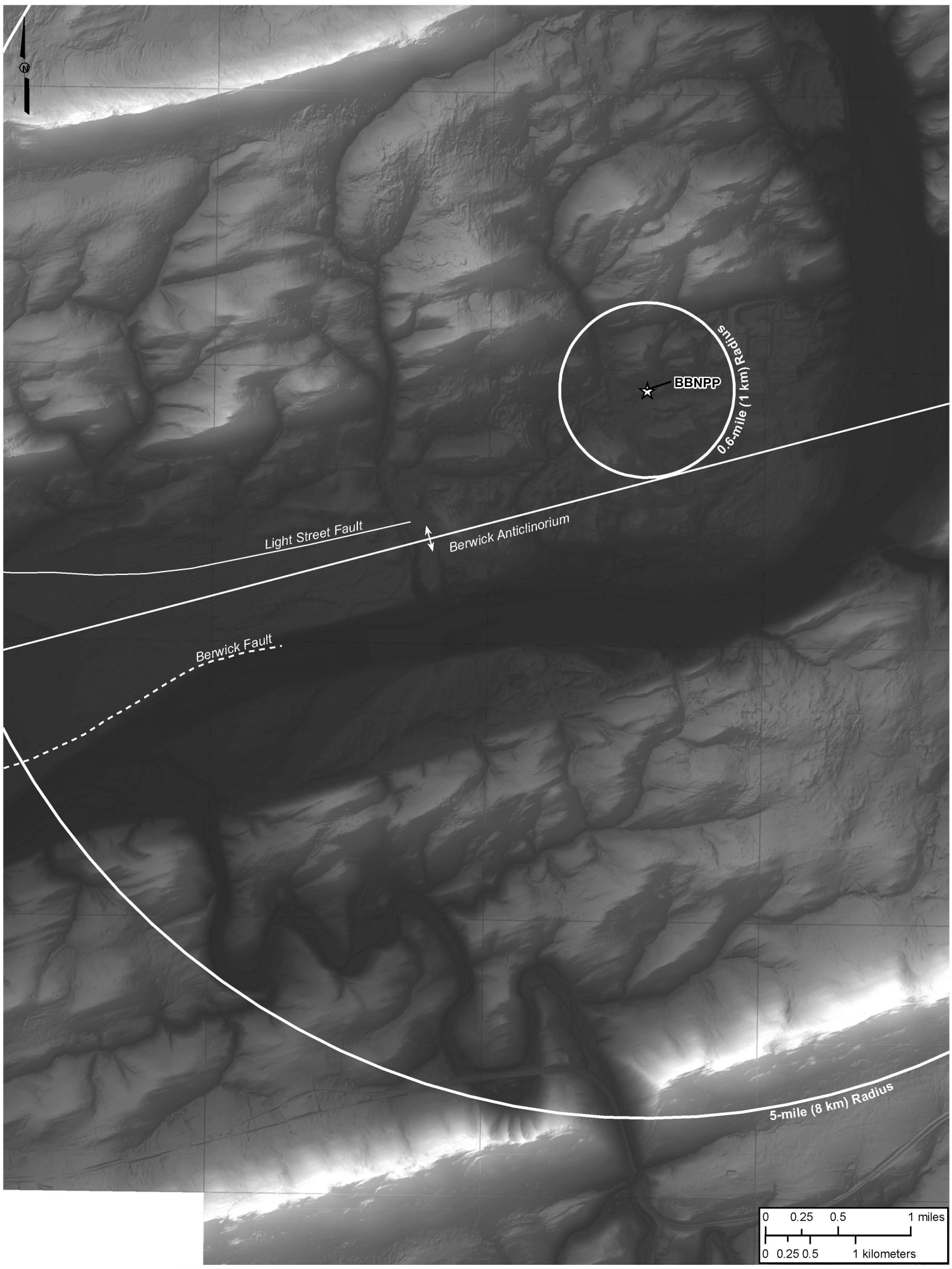
Figure 2.5-220—{LiDAR Data Base Map Without Overlaid Surficial Sediment Description}



LEGEND:

- Proposed Center Point of Bell Bend NPP (BBNPP)
- NPP Reactor 0.6-mile (1 km) and 5-mile (8 km) Radii
- Inferred Fault
- Fault
- Anticline

REFERENCE:
- Inners, 1978.
- PAMAP, 2008.

ARTIFICIAL FILL af	ALLUVIUM Qal	ALLUVIAL FAN Qf	ALLUVIUM AND WOODFORDIAN OUTWASH, UNDIVIDED Qwoa	SWAMP DEPOSIT Qs	ALLUVIUM AND COLLUVIUM UNDIVIDED Qao	COLLUVIUM Qc	COLLUVIUM AND TILL, UNDIVIDED Qct	EOLIAN MANTLE Qem	TALUS Qt	BOULDER COLLUVIUM Qbc
WOOD-FORDIAN OUTWASH Qwo	WOOD-FORDIAN KAME TERRACE Qwkt	WOOD-FORDIAN KAME TERRACE AND OUTWASH, UNDIVIDED Qwkto	WOOD-FORDIAN FRONTAL KAME Qwfk	WOOD-FORDIAN ICE-CONTACT STRATIFIED DRIFT Qwic	WOOD-FORDIAN GROUND MORAINE Qwgm	WOOD-FORDIAN END MORAINE Qwem	ALTONIAN OUTWASH Qao	ALTONIAN TILL Qat	ILLINOIAN KAME TERRACE Qikt	ILLINOIAN TILL Qit

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Figure 2.5-221—{Site Area Geology in Available LiDAR Data Base Map}

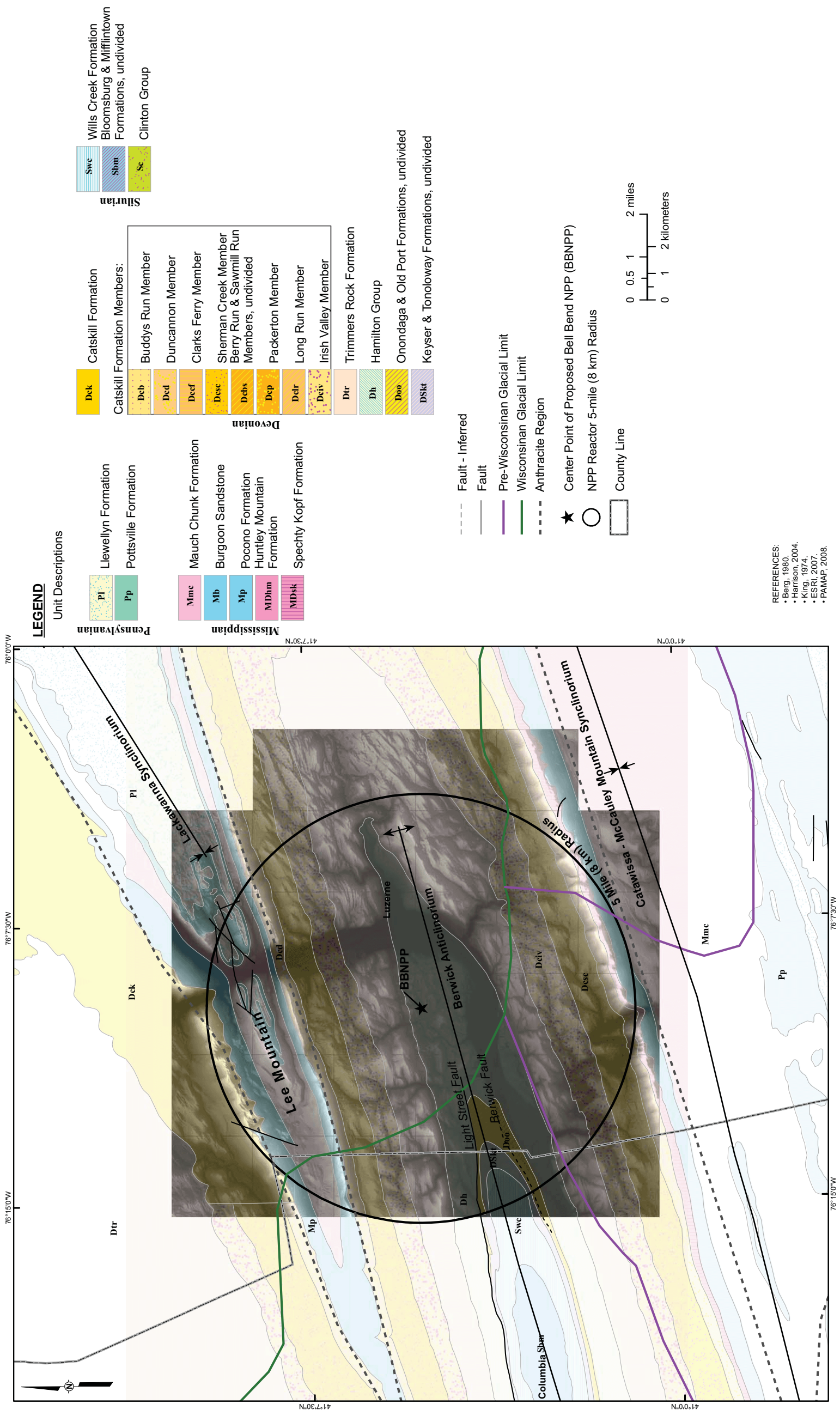

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Figure 2.5-222—{LiDAR Data Base Map Without Overlaid Site Area Geology}

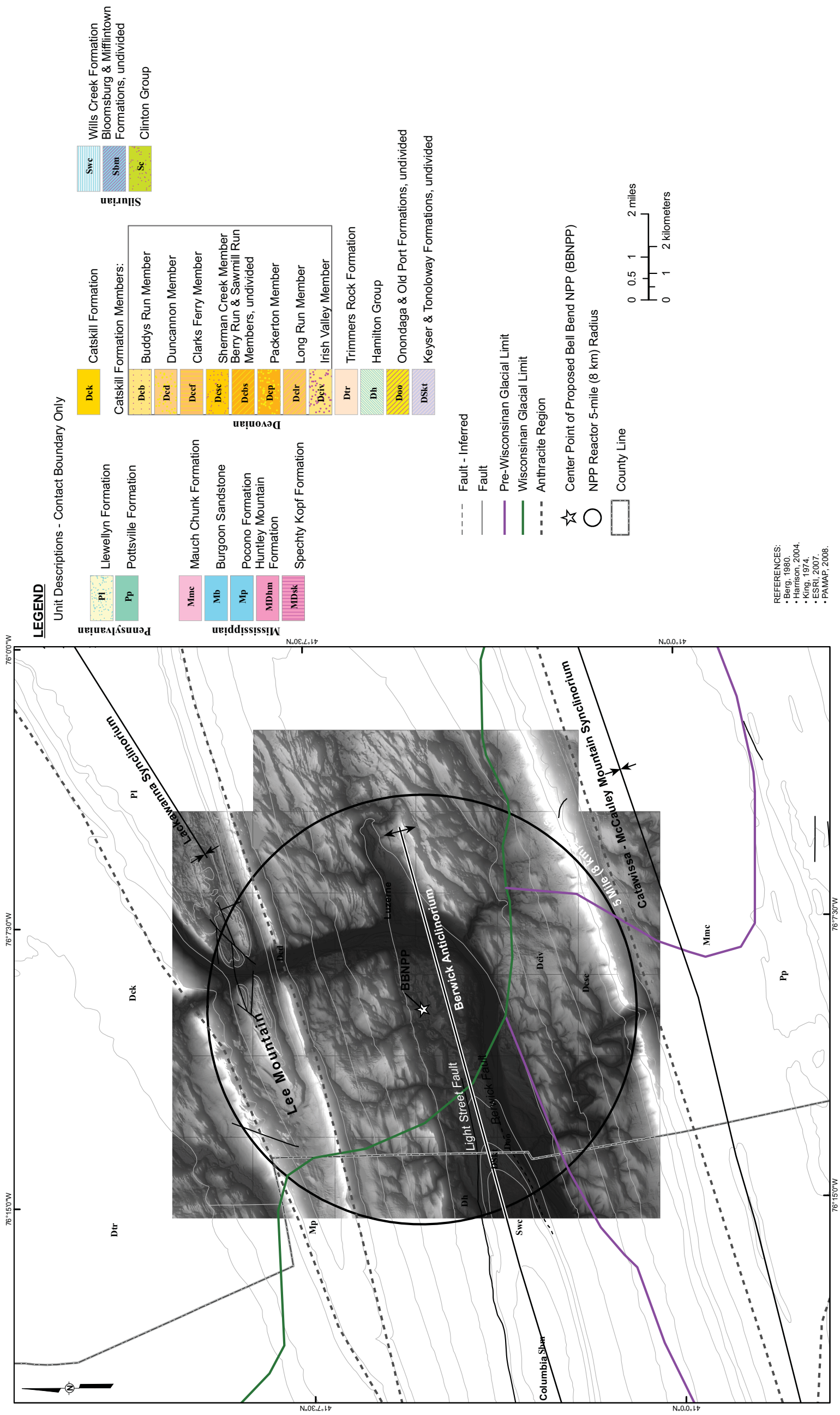

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Figure 2.5-223—{Stretched LiDAR Data Base Map Without Overlaid Site Area Geology and Higher Altitudes}

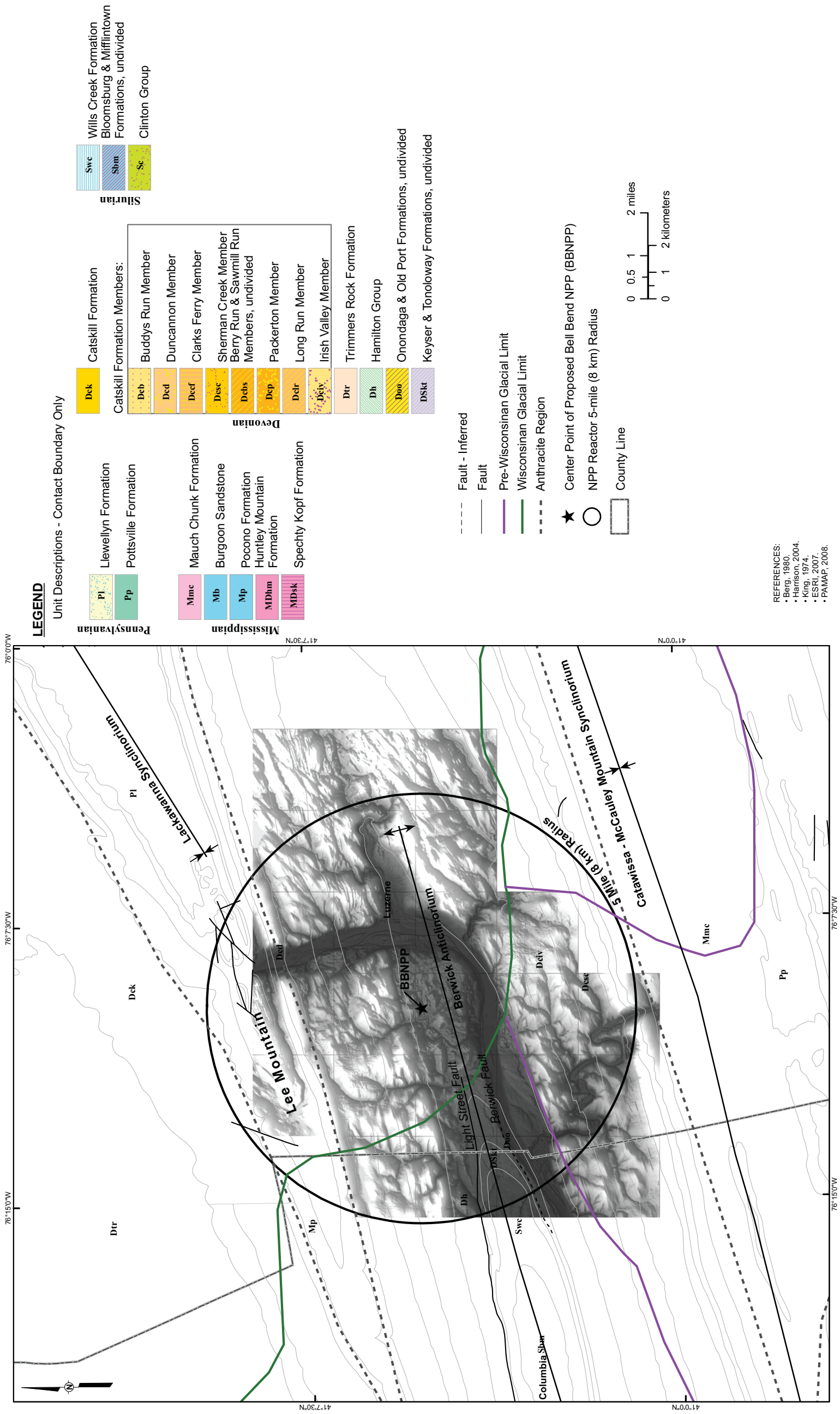

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Figure 2.5-224—{Site Vicinity Geology in Available LiDAR Data Base Map}

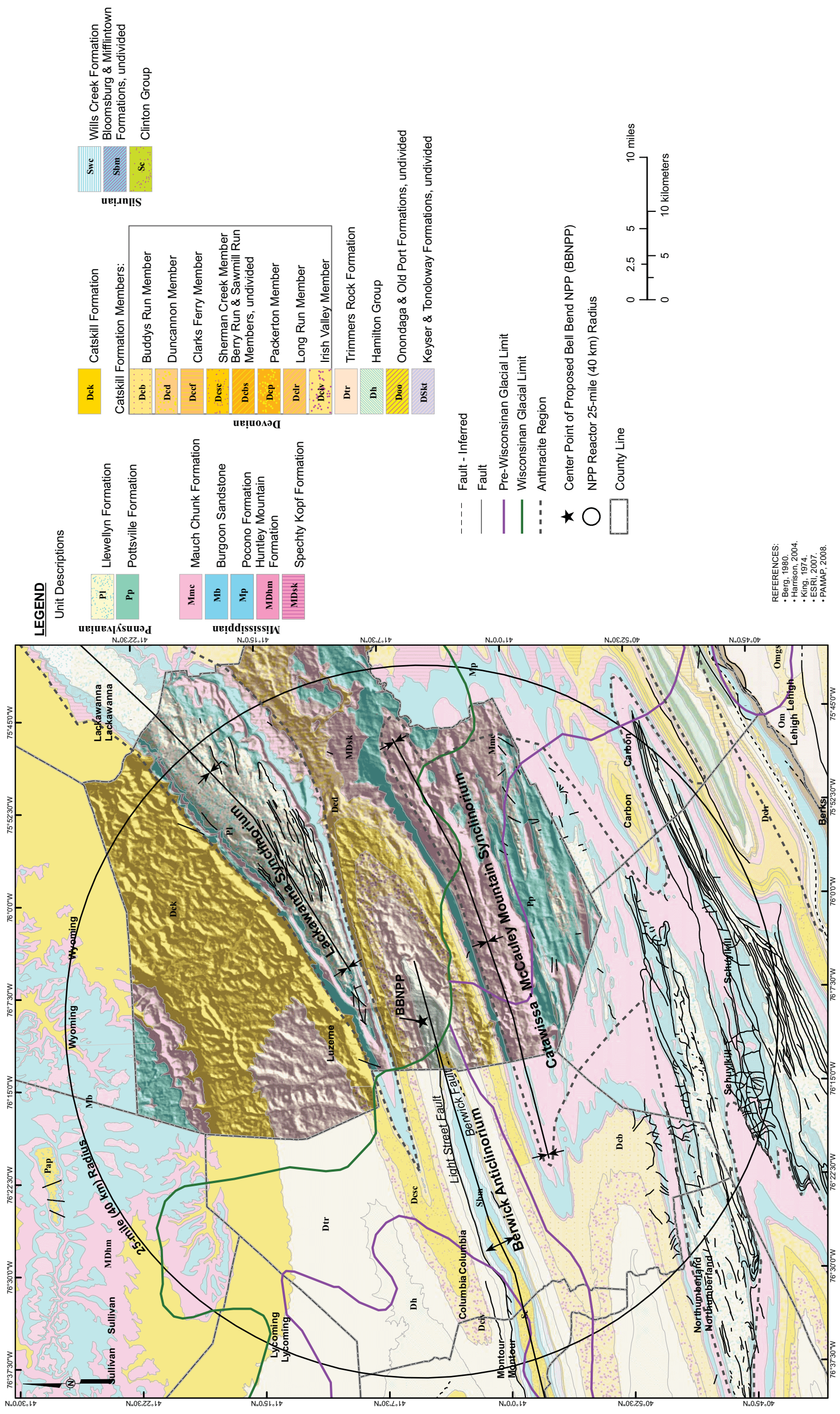

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Figure 2.5-225—{LiDAR Data Base Map Without Overlaid Site Vicinity Geology}

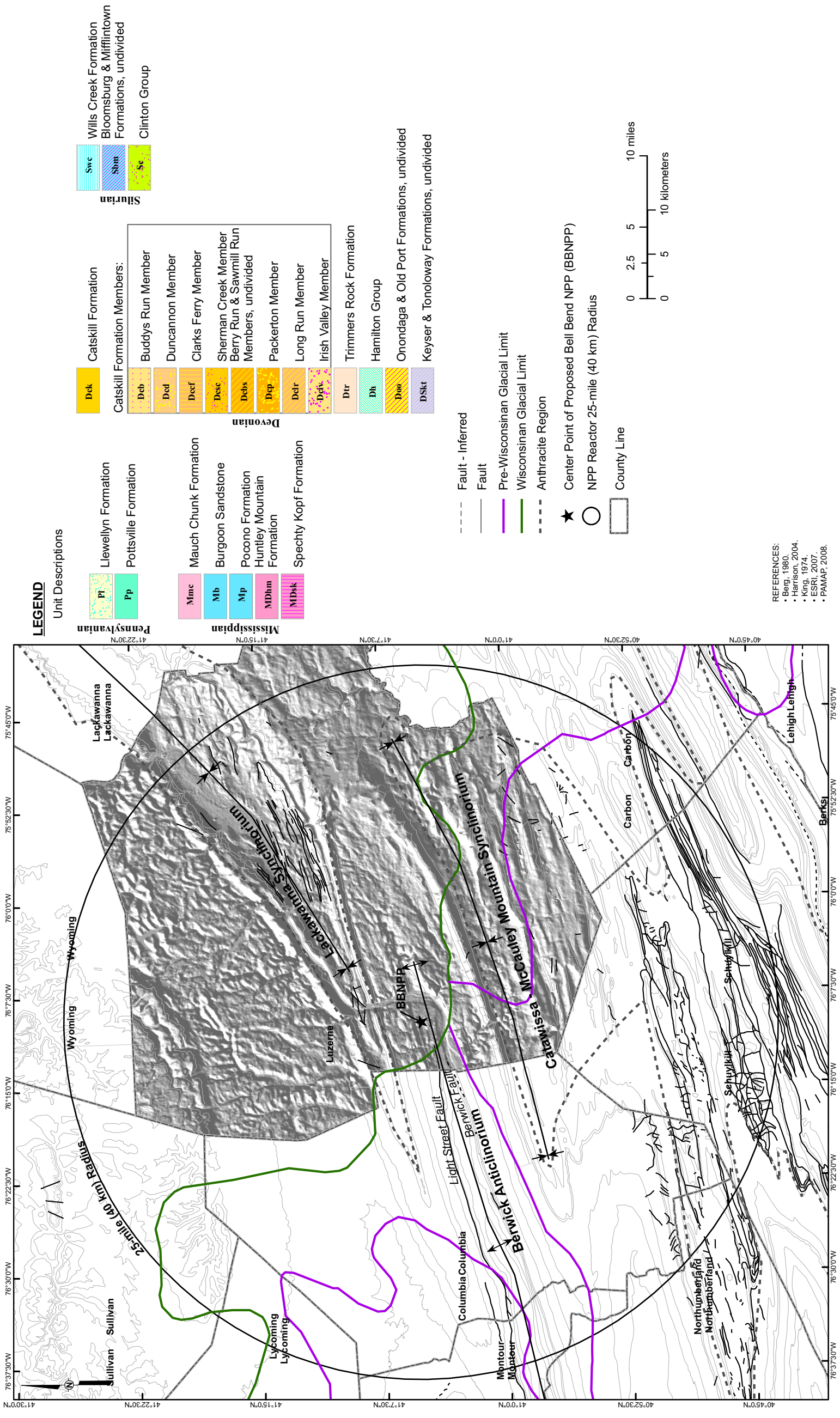

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Figure 2.5-226—{Uncolored Bedrock Elevation Contours Map with Anomalous Intervals/Areas from Seismic Refraction Survey}

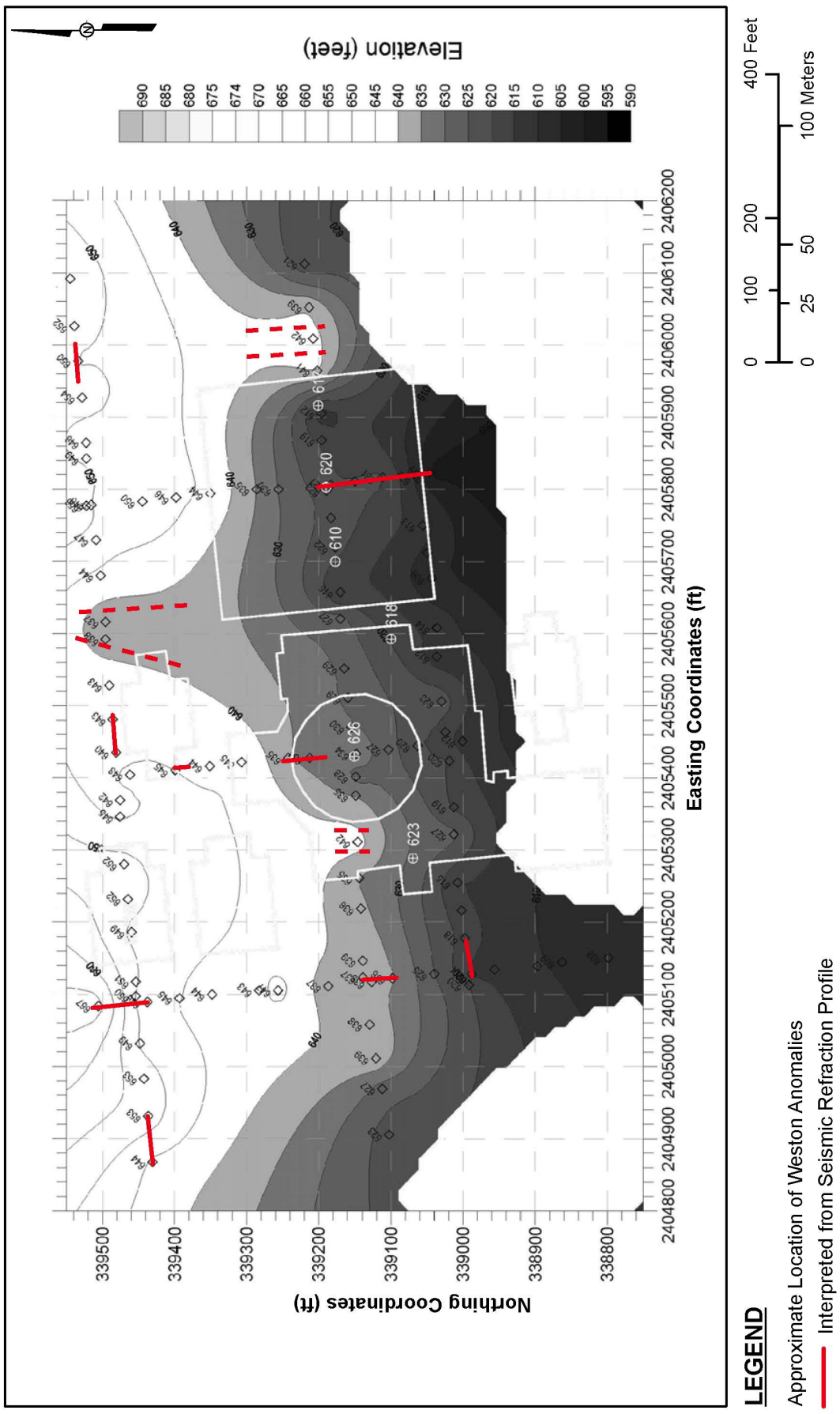

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Figure 2.5-227—{Anomalous Intervals/Areas from Seismic Refreaction Survey in LiDAR Data Base Map}

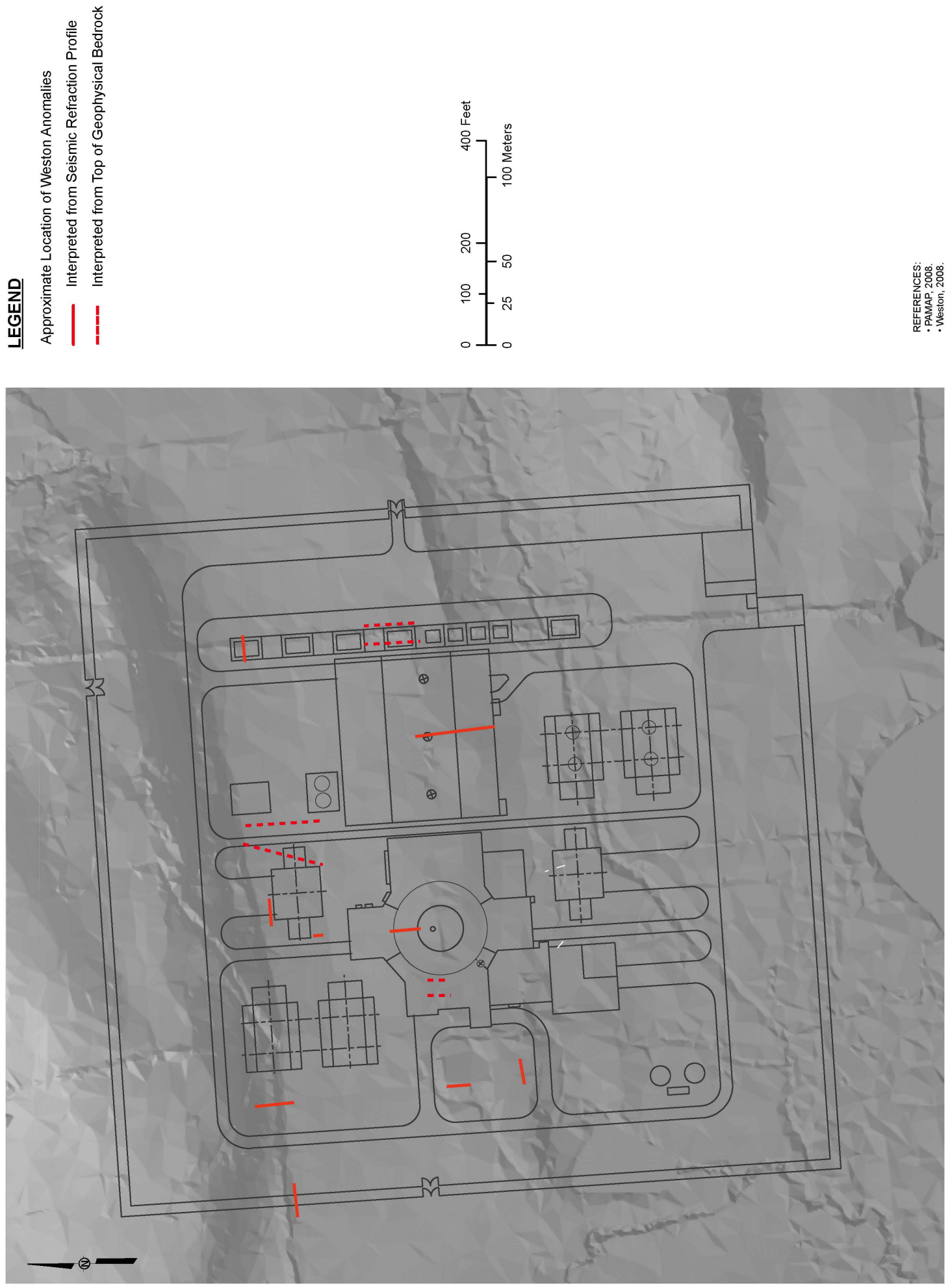

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Figure 2.5-228—{Technostratigraphic Provinces with Regional Bouguer Anomaly}

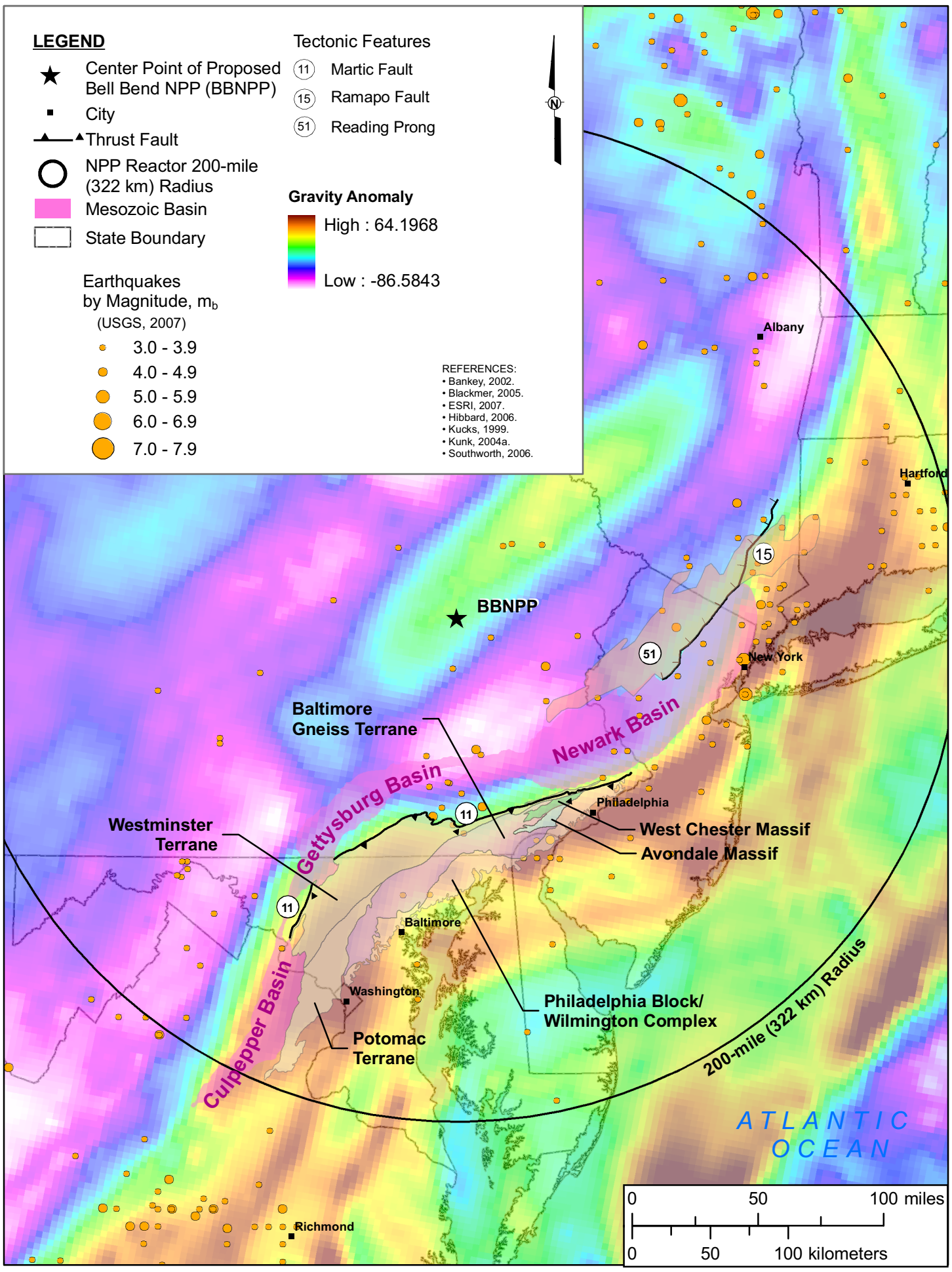

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Figure 2.5-229—{Tectonostratigraphic Provinces with Regional Magnetic Anomaly}

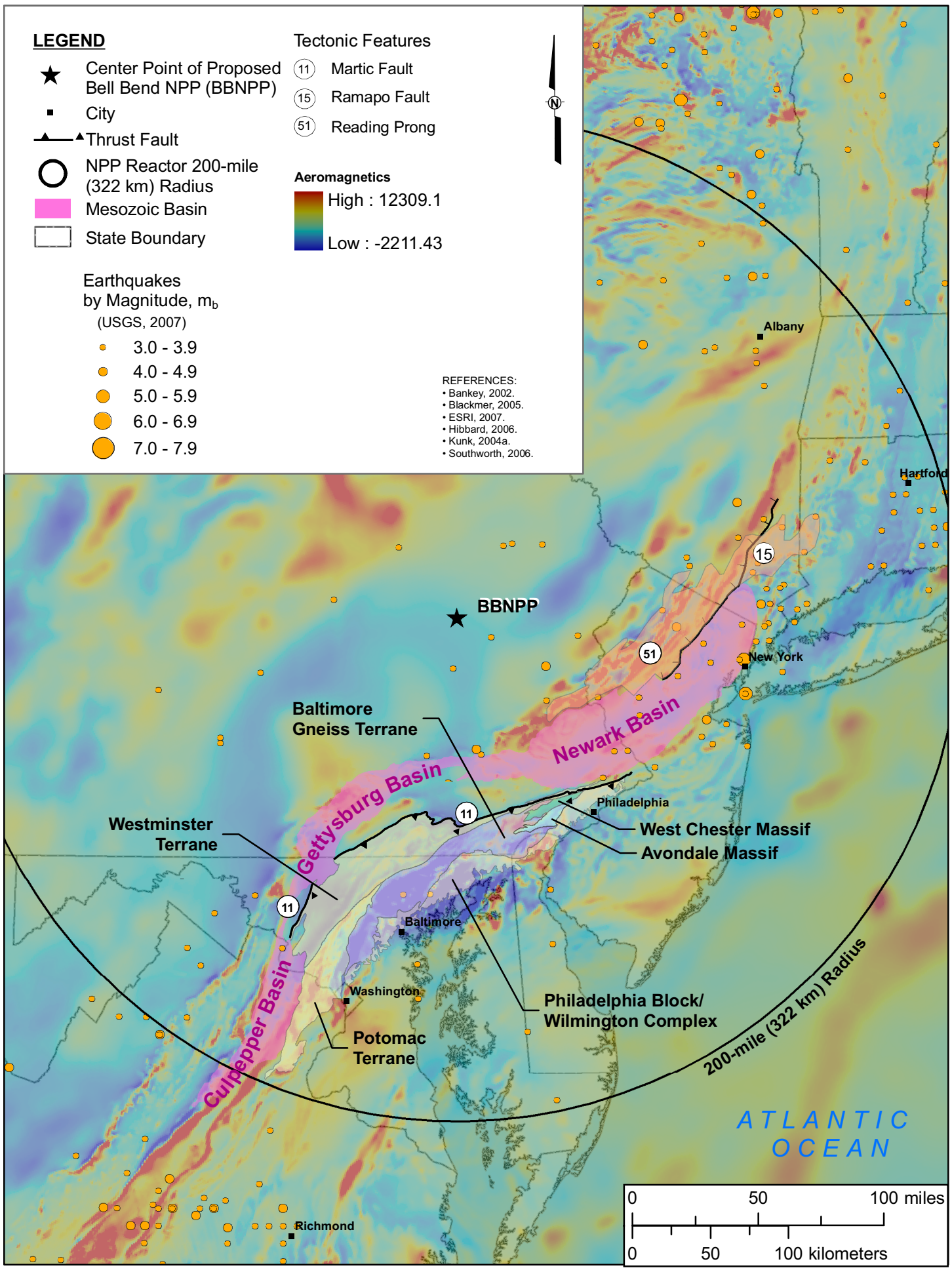

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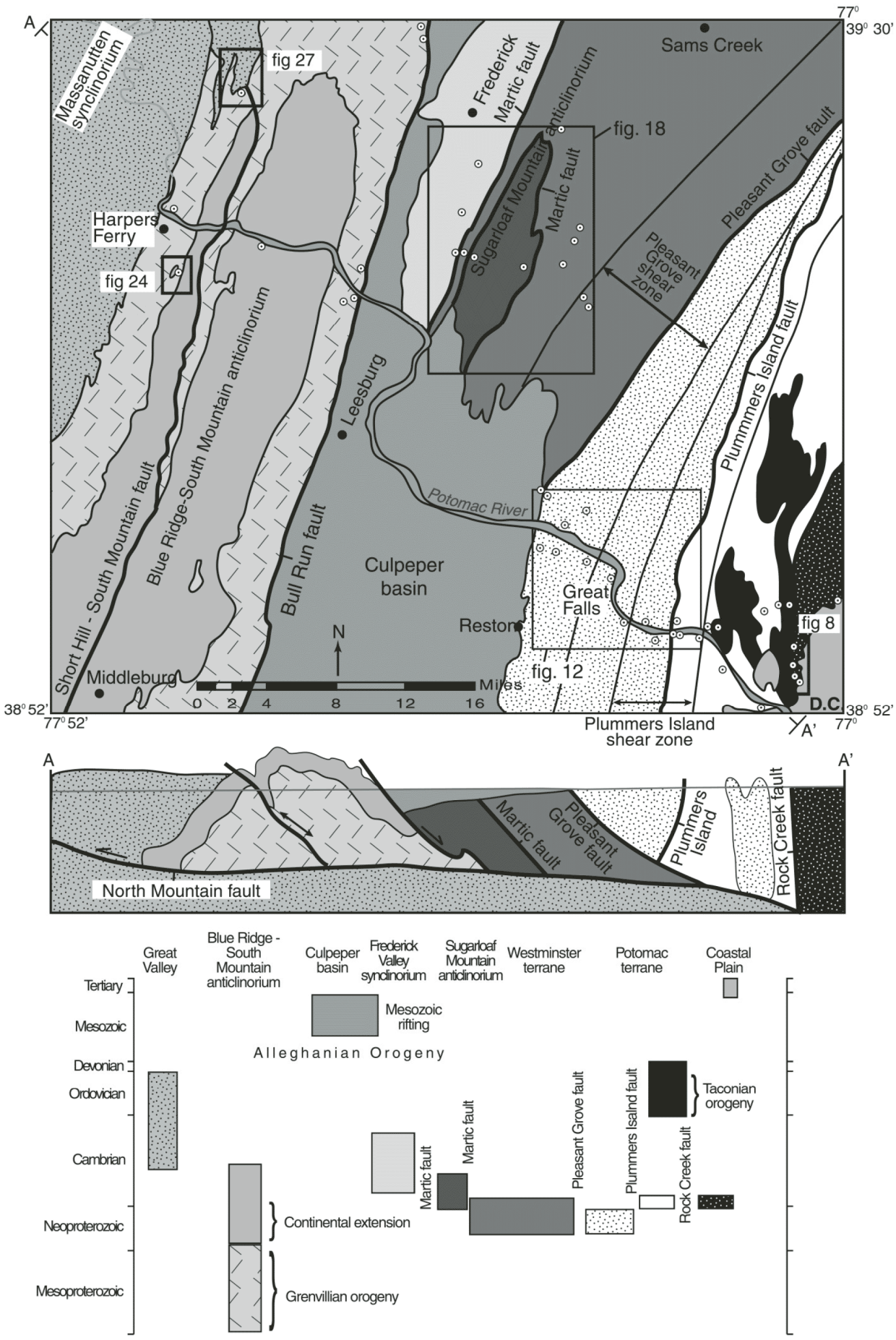
Figure 2.5-230—{Generalized Geologic Map and Cross Section in the Potomac River Region}



REFERENCE: Southworth, 2006

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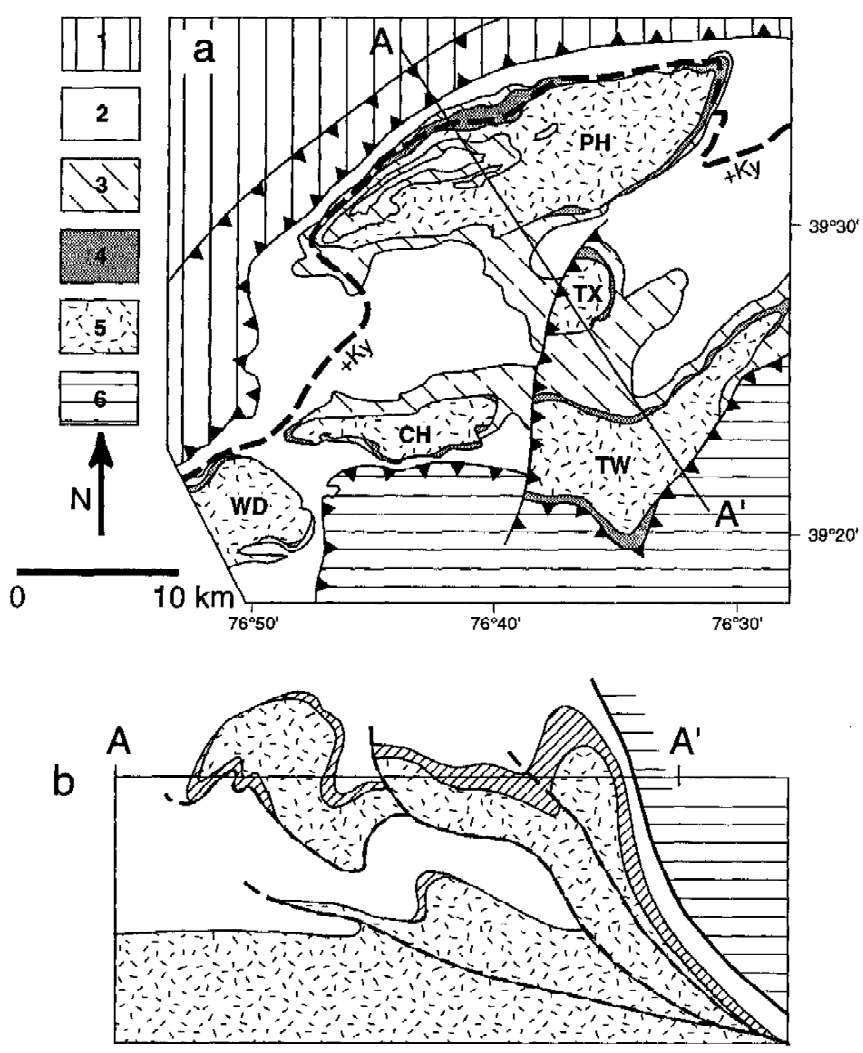
Figure 2.5-231—{Generalized Geologic Map and Cross Section of the Eastern Maryland Piedmont}



(a) Generalized geologic map of the eastern Maryland Piedmont.
1 = Low- to medium-grade metasediments of the western Piedmont; 2 = Loch Raven Formation, mainly pelitic schist; 3 = Cockeysville Marble; 4 = Setters Formation, quartzite and pelitic schist; 5 = Baltimore Gneiss, felsic basement gneiss; 6 = Baltimore Mafic Complex, island arc complex that collided with the Baltimore Gneiss terrane (units 2-5) during the Taconic Orogeny (at approximately 470 Ma). Anticlines in which the Baltimore Gneiss is exposed are labeled PH (Phoenix), TX (Texas), TW (Towson), CH (Chattolanee), and WD (Woodstock).
The line labeled A-A' shows the approximate location of the schematic cross section shown in b.

(b) Schematic cross section A-A' through the Baltimore area.
The random dash pattern represents the Baltimore Gneiss; the diagonal line pattern represents the Cockeysville and Setters Formations combined; the unpatterned area is the Loch Raven Formation, and the horizontal line pattern represents the Baltimore Mafic Complex. Bold dashed lines indicate thrust faults inferred by Fisher on the basis of the structural style of similar units in the Philadelphia area.

REFERENCE: Lang, 1996

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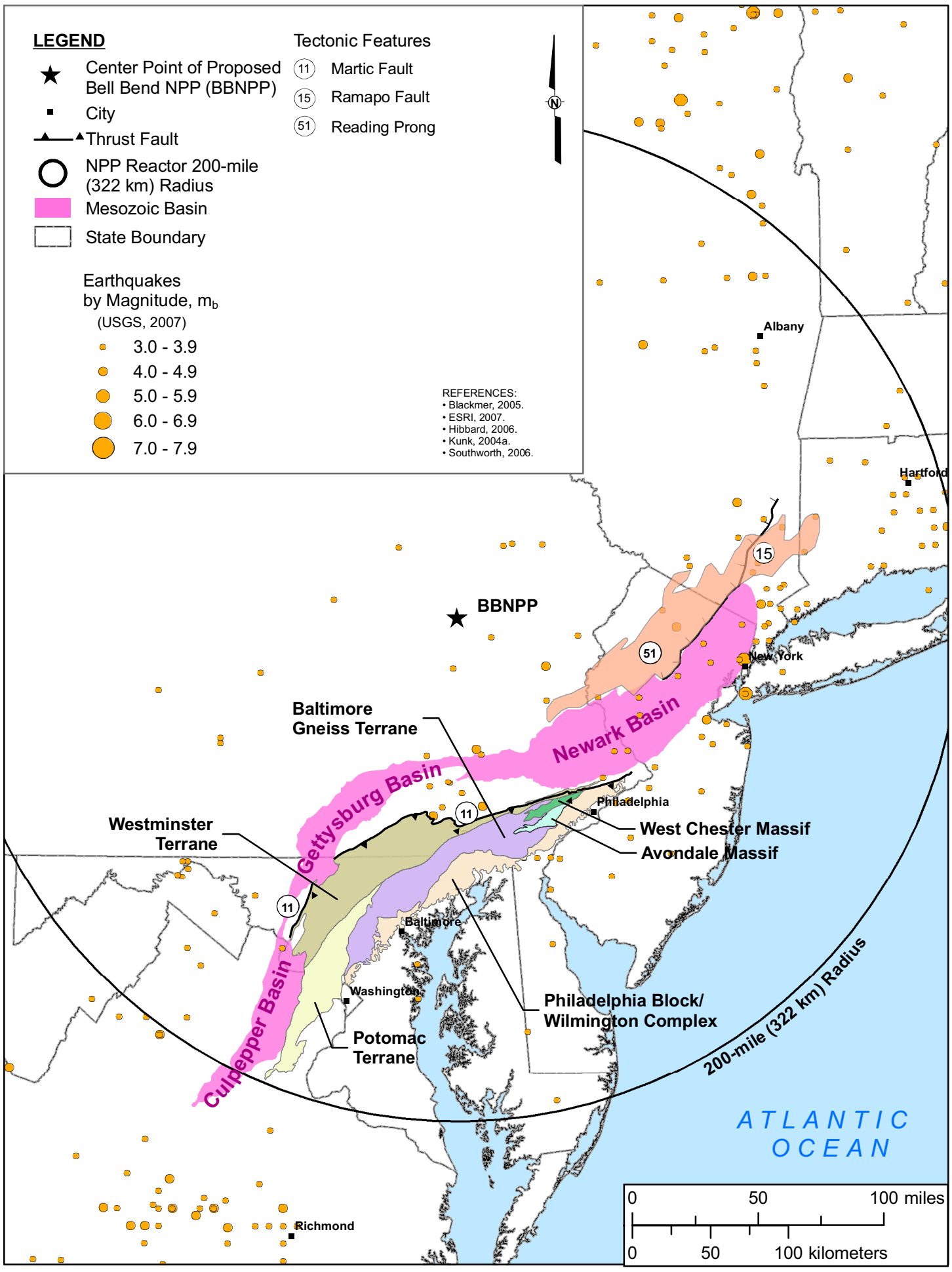
Figure 2.5-232—{Techtonostratigraphic Provinces within the Site Region (200 mile, 320 km Radius)}



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