Figure 2.5-181—{Regional Geology Map 200 Mile (322 km) Radius}

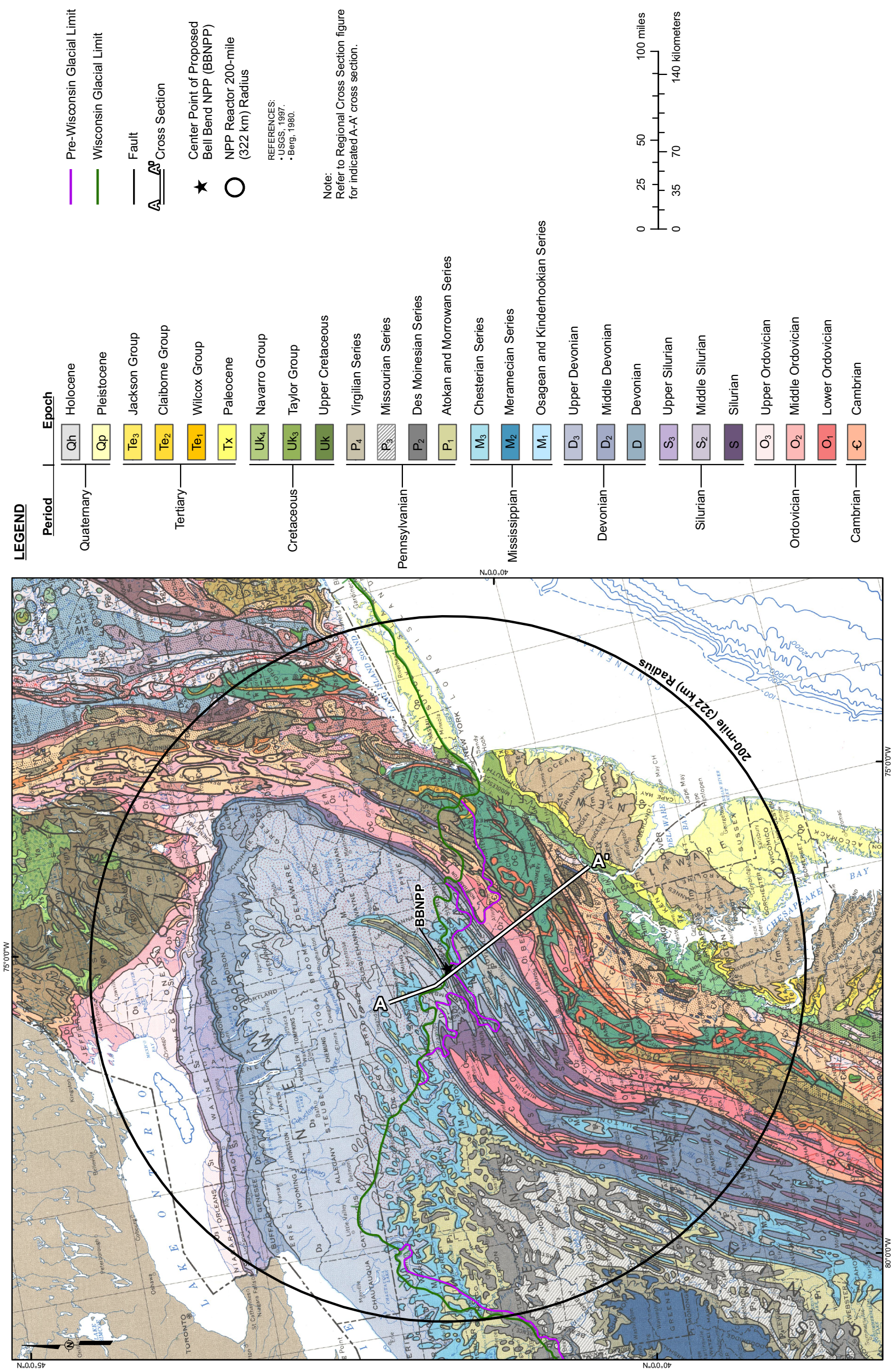

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Figure 2.5-182—{Physiographic Provinces of Pennsylvania (Geologic Map of Pennsylvania) 25 Mile (40 km) and 5 Mile (8 km) Radii}

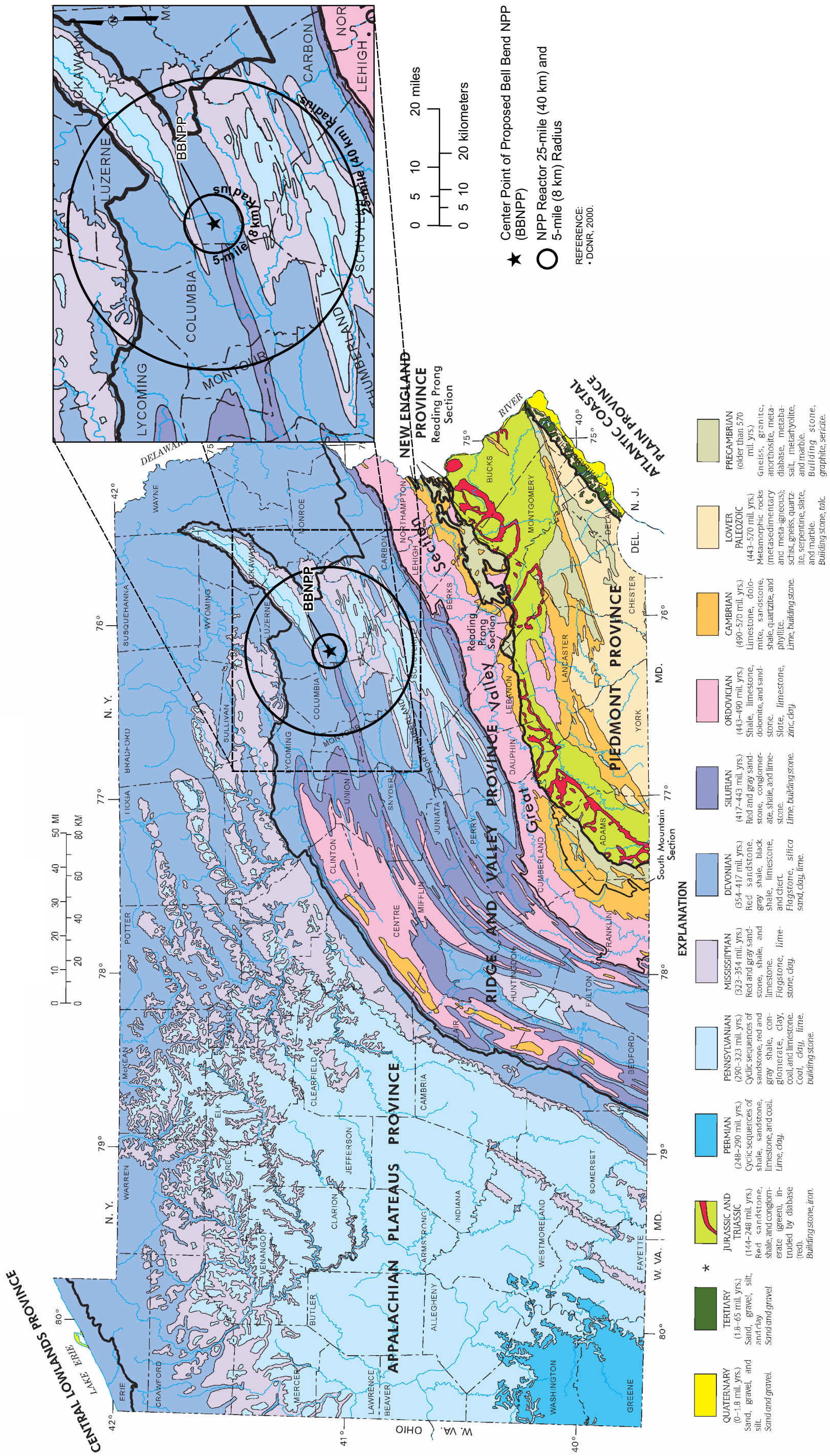

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Figure 2.5-183—{Physiographic Provinces of Pennsylvania with Sections 25 Mile (40 km) and 5 Mile (8 km) Radii}

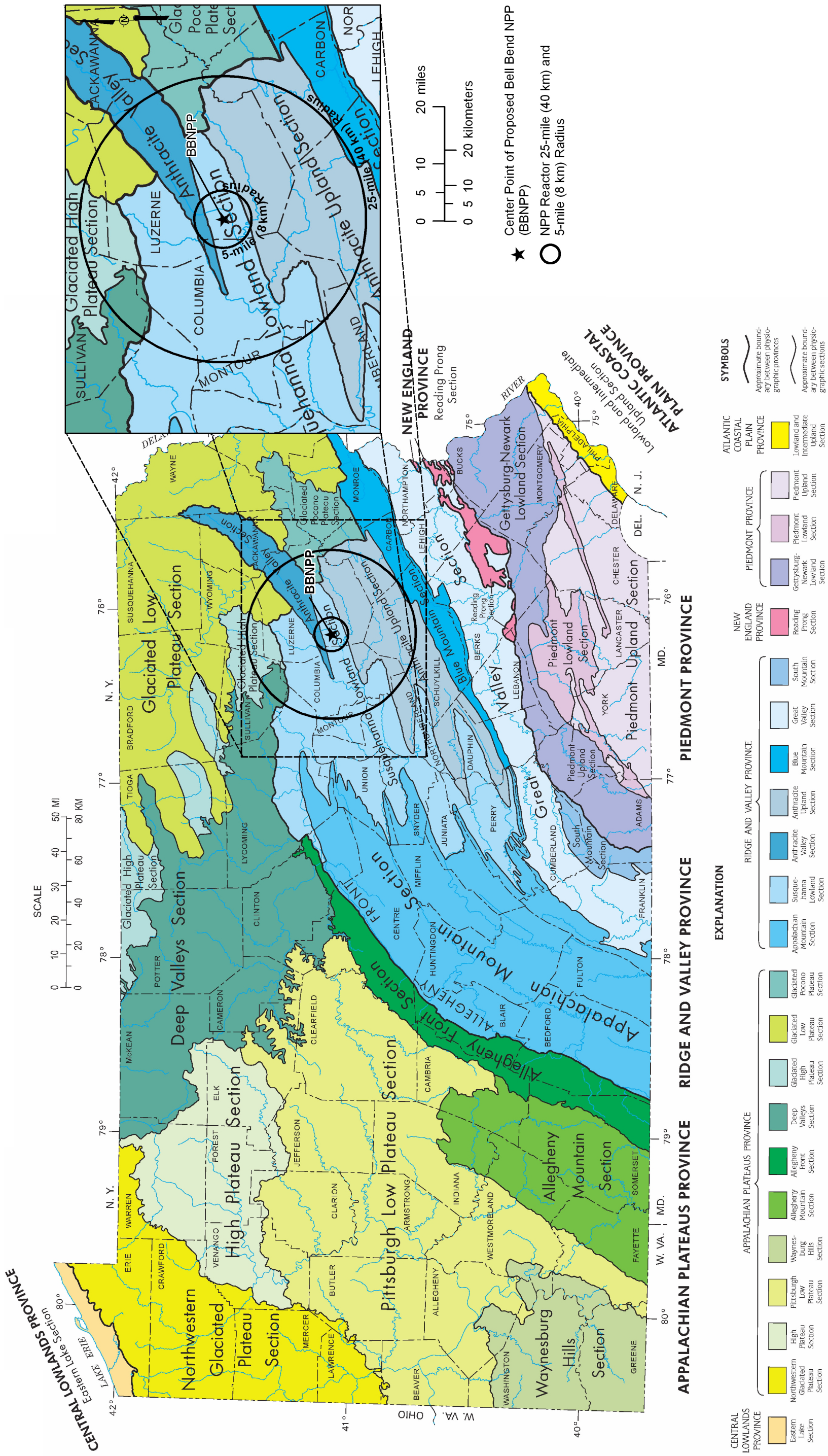

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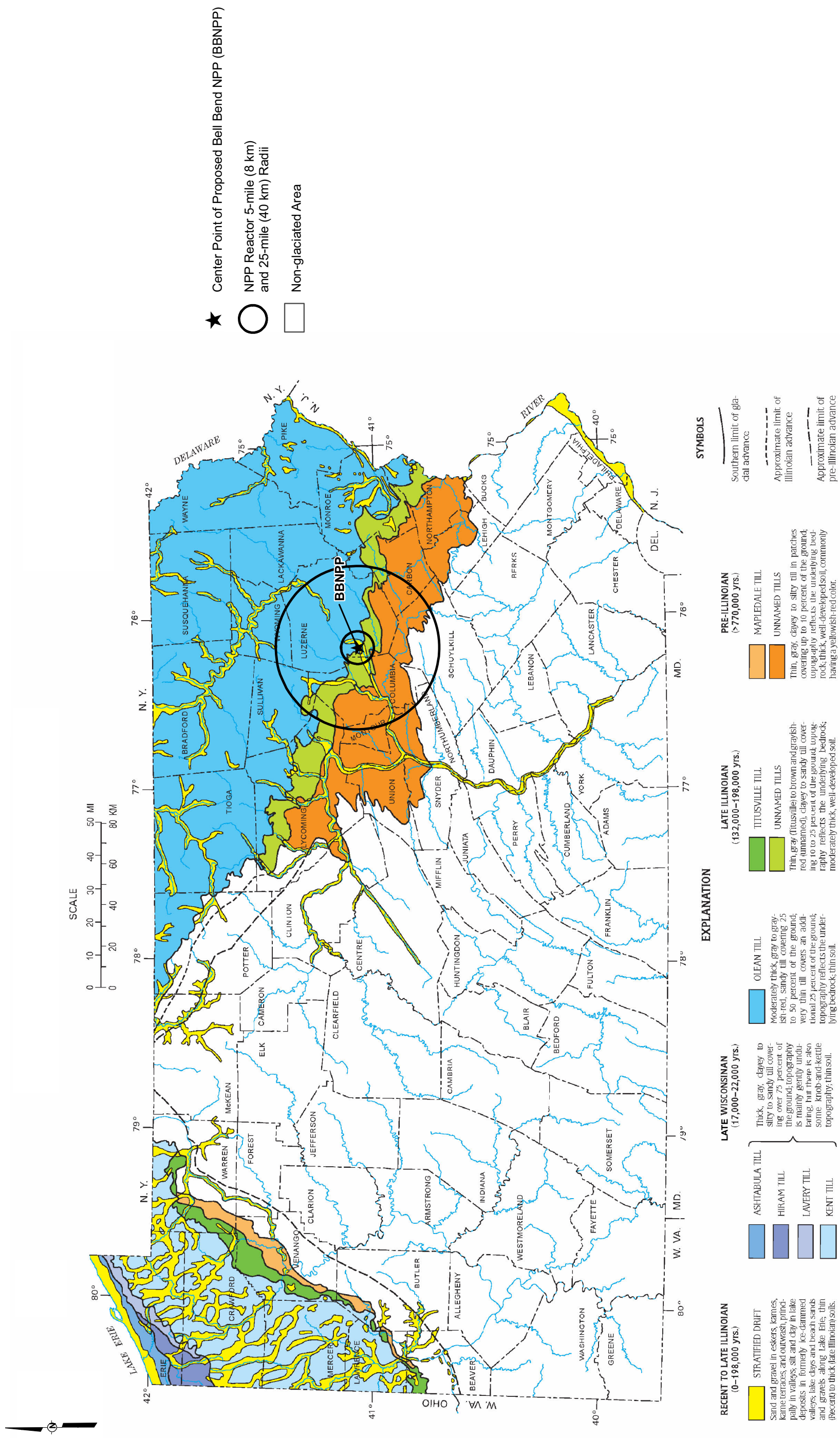
Figure 2.5-184—{Glacial Deposits of Pennsylvania 25 Mile (40 km) and 5 Mile (8 km) Radii}



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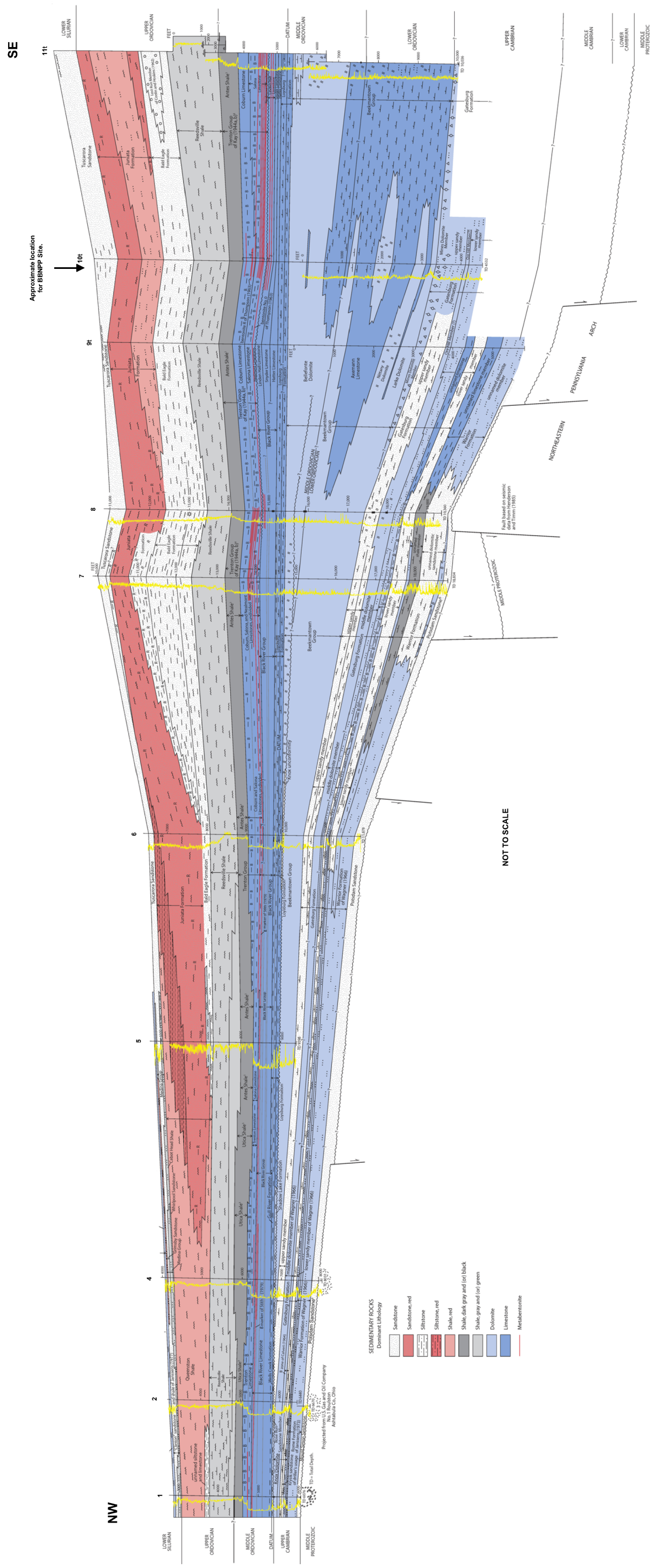

Figure 2.5-185—{Cross Section Showing the Cambrian and Ordovician Rocks of the Appalachian Basin}

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Figure 2.5-186—{Regional Generalized Composite Stratigraphic Column}

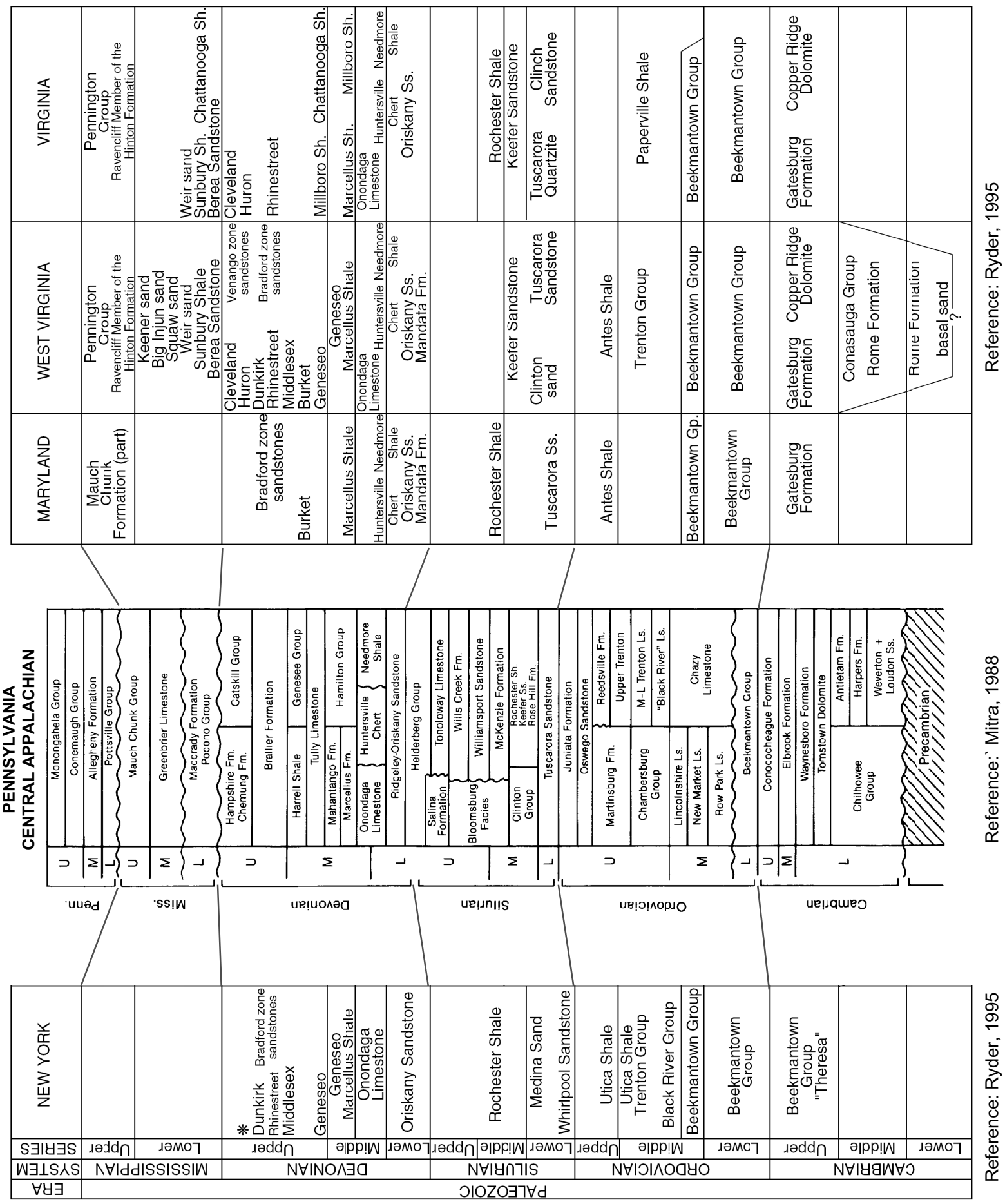

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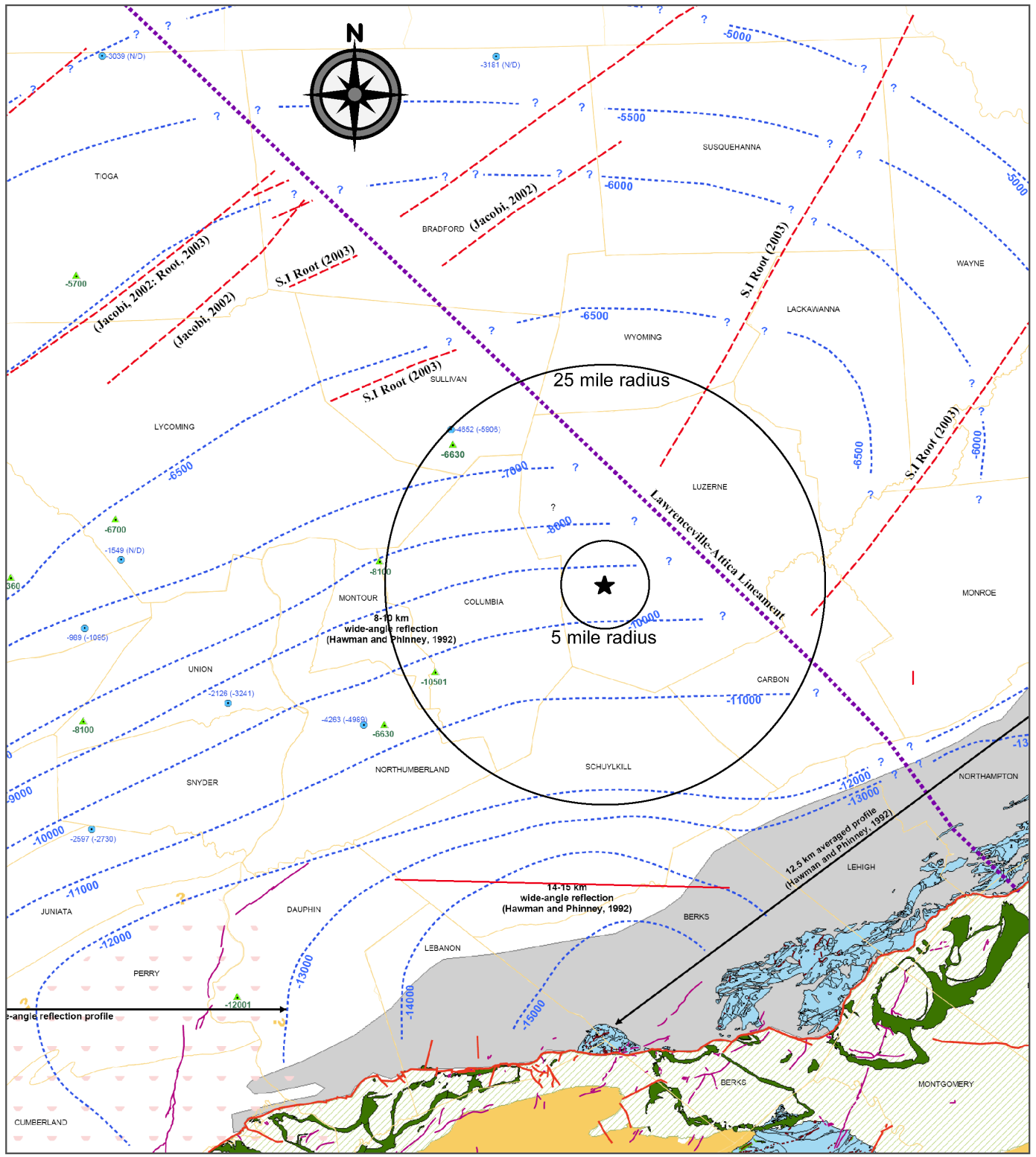
Figure 2.5-187—{Precambrian Basement Map of Appalachian Basin 25 mile (40 km) and 5 mile (8 km) Radii}



Reference:
Modified from Gold, 2005

Note: Contours are in meters

Appalachian Basin (structure contours of Precambrian surface, 500 m interval)

- Paleozoic sedimentary rocks (undifferentiated)

Piedmont Physiographic Province (no contours shown)

- Tertiary and Cretaceous cover rocks
- Mesozoic cover rocks, with diabase sheets (dark green)
- Cambro-Ordovician sedimentary rocks; highly deformed, with nappes
- Lower Paleozoic metasediments
- Lower Paleozoic crystalline and metamorphic rocks
- Precambrian metavolcanic rocks (Catoctin); exposed/potential areal coverage
- Precambrian crystalline and metamorphic rocks

SYMBOLS LEGEND

Pennsylvania database

- Fault (tab indicates dip direction)
- Fault, inferred
- Fault, mapped
- Seismic fault (barb indicates inferred dip direction)
- Lineament
- -8000 Basement contours; depth in meters bellow sea level
- Structural trough, inferred
- S Structural arch, inferred
- -1811 (-2086) Deep drill hole in Paleozoic cover rocks; bottom elevation of hole in meters below sea level (estimated depth to basement)
- N/D or N/A Elevation not determined or not available
- -8150 Seismic depth in meters
- -7550 Seismic depth in meters
- Oriskany absent
- Jurassic diabase dike
- Jurassic Kimberlite dike
- Lower Paleozoic granitic pegmatite dike
- PreCambrian metadiabase dike

West Virginia database

- Normal fault; tab on downthrown side
- Thrust fault; barbs on upthrown side
- (-22000) - 6706 Basement contours; depth in feet and meters below sea level

Ohio database

- -1632 Drill hole, depth in meters below sea level
- Fault, inferred
- (-6500) - 1981 Basement contours; depth in feet and meters

New York database

- Fault

0 5 10 20 30 40 50 km

0 5 10 20 30 mi

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