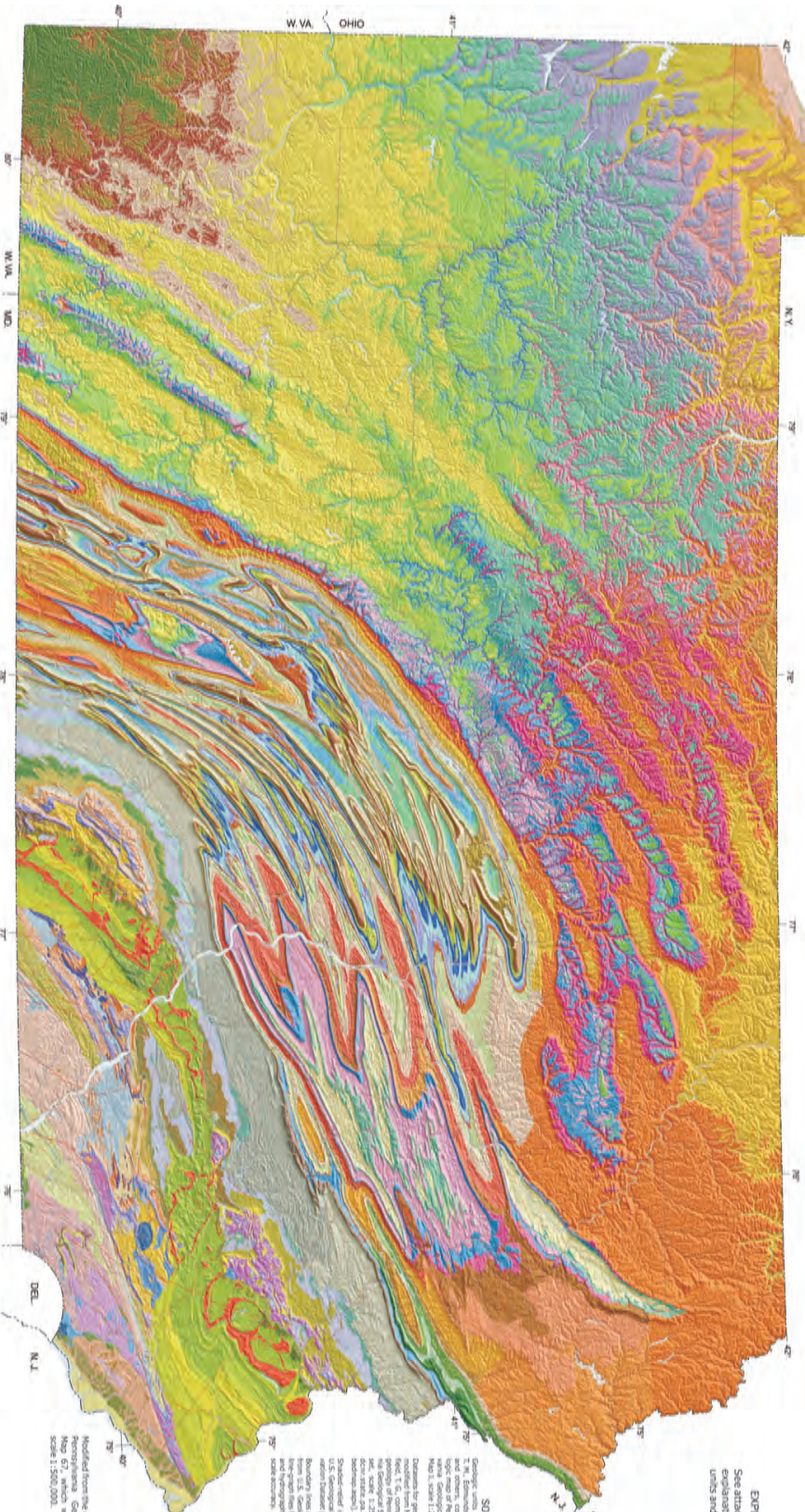


Activity 3: Geologic Shaded-relief Map



GEOLOGIC SHADED-RELIEF MAP OF PENNSYLVANIA

COMPILED BY
CHRISTINE E. MILLES
SMB



SCALE 1:1,500,000
0 10 20 30 40 50 Miles
0 10 20 30 40 50 Kilometers
United States National Geologic Map Act of 1994, Section 7104
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EXPLANATION
See attached sheets for explanation of geologic units and symbols.

SOURCES
Bureau of Topographic and Geologic Survey, Commonwealth of Pennsylvania, 1980. Geologic Map of Pennsylvania, 1:500,000. Harrisburg, PA: Pennsylvania Department of Conservation and Natural Resources.
Bureau of Topographic and Geologic Survey, 1980. Geologic Map of Pennsylvania, 1:500,000. Harrisburg, PA: Pennsylvania Department of Conservation and Natural Resources.
Bureau of Topographic and Geologic Survey, 1980. Geologic Map of Pennsylvania, 1:500,000. Harrisburg, PA: Pennsylvania Department of Conservation and Natural Resources.
Bureau of Topographic and Geologic Survey, 1980. Geologic Map of Pennsylvania, 1:500,000. Harrisburg, PA: Pennsylvania Department of Conservation and Natural Resources.

The beauty and complexity of Pennsylvania's geology and topography are strikingly portrayed on this geologic shaded-relief map. The map was prepared from several digital datasets, primarily the National Elevation Dataset (NED) for Pennsylvania, a product of the U.S. Geological Survey that provides regional elevation data for grids spaced about every 30 meters, and the dataset for bedrock geology, a product of the Pennsylvania Department of Conservation and Natural Resources. The map was prepared from a 1980 state geologic map. The elevation data were used to generate the shaded-relief maps, which

gives the map its three-dimensional appearance. The geologic units were generalized, and the colors of the units were made transparent by digital procedures so that they appear to be "draped" over the relief. The geologic shaded-relief map may be admired simply for its striking combination of colors and bedrock patterns, but users may also see in the map a new perspective on the regional distribution of geologic units and the regional tectonics of the state.

Modified from the original edition of Map 61, which was published at scale 1:500,000.

Full-size map located in back pocket.