MAP 7

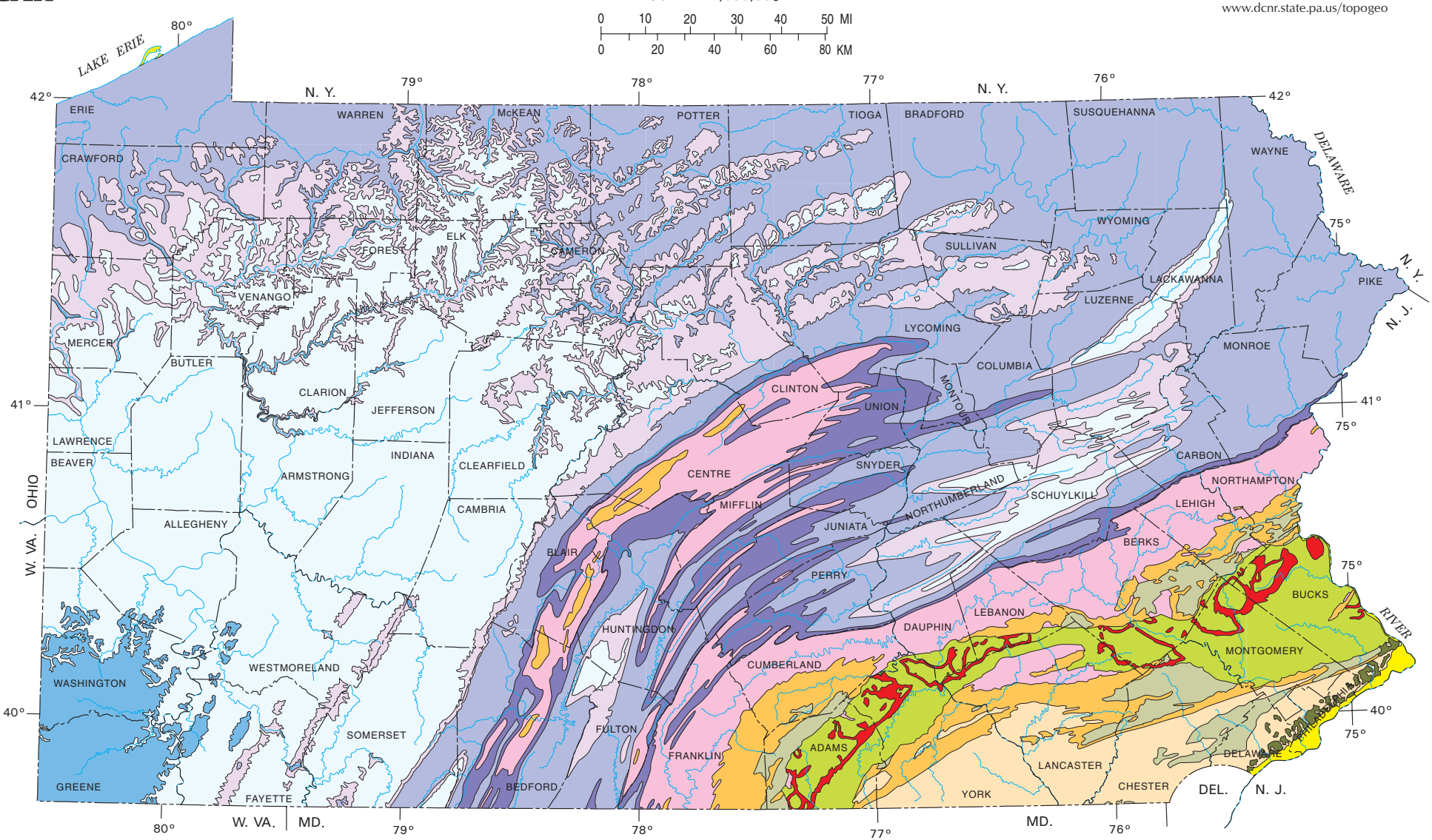
GEOLOGIC MAP OF PENNSYLVANIA

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF
CONSERVATION AND NATURAL RESOURCES
BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY
www.dcnr.state.pa.us/topogeo

SCALE 1:2,000,000

0 10 20 30 40 50 MI

0 20 40 60 80 KM



EXPLANATION

QUATERNARY (0–1.8 mil. yrs.)	TERTIARY (1.8–65 mil. yrs.)	* JURASSIC AND TRIASSIC (144–248 mil. yrs.)	PERMIAN (248–290 mil. yrs.)	PENNSYLVANIAN (290–323 mil. yrs.)	MISSISSIPPIAN (323–354 mil. yrs.)	DEVONIAN (354–417 mil. yrs.)	SILURIAN (417–443 mil. yrs.)	ORDOVICIAN (443–490 mil. yrs.)	CAMBRIAN (490–570 mil. yrs.)	LOWER PALEOZOIC (443–570 mil. yrs.)	PRECAMBRIAN (older than 570 mil. yrs.)
Sand, gravel, and silt. *Sand and gravel.*	Sand, gravel, silt, and clay. *Sand and gravel.*	Red sandstone, shale, and conglomerate (green), intruded by diabase (red). *Building stone, iron.*	Cyclic sequences of shale, sandstone, limestone, and coal. *Lime, clay.*	Cyclic sequences of sandstone, red and gray shale, conglomerate, clay, coal, and limestone. *Coal, clay, lime, building stone.*	Red and gray sandstone, shale, and limestone. *Flagstone, limestone, clay.*	Red sandstone, gray shale, black shale, limestone, and chert. *Flagstone, silica sand, clay, lime.*	Red and gray sandstone, conglomerate, shale, and limestone. *Lime, building stone.*	Shale, limestone, dolomite, and sandstone. *Slate, limestone, zinc, clay.*	Limestone, dolomite, sandstone, shale, quartzite, and phyllite. *Lime, building stone.*	Metamorphic rocks (metasedimentary and meta-igneous); schist, gneiss, quartzite, serpentine, slate, and marble. *Building stone, talc.*	Gneiss, granite, anorthosite, metadiabase, metabasalt, metarhyolite, and marble. *Building stone, graphite, sericite.*

*Cretaceous rocks, which are present in small areas of southern Montgomery County, cannot be shown at the scale of this map.

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