



Geologic Map of West Virginia

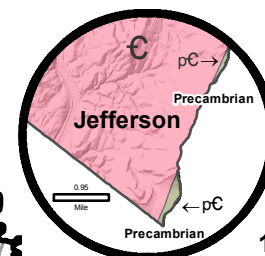
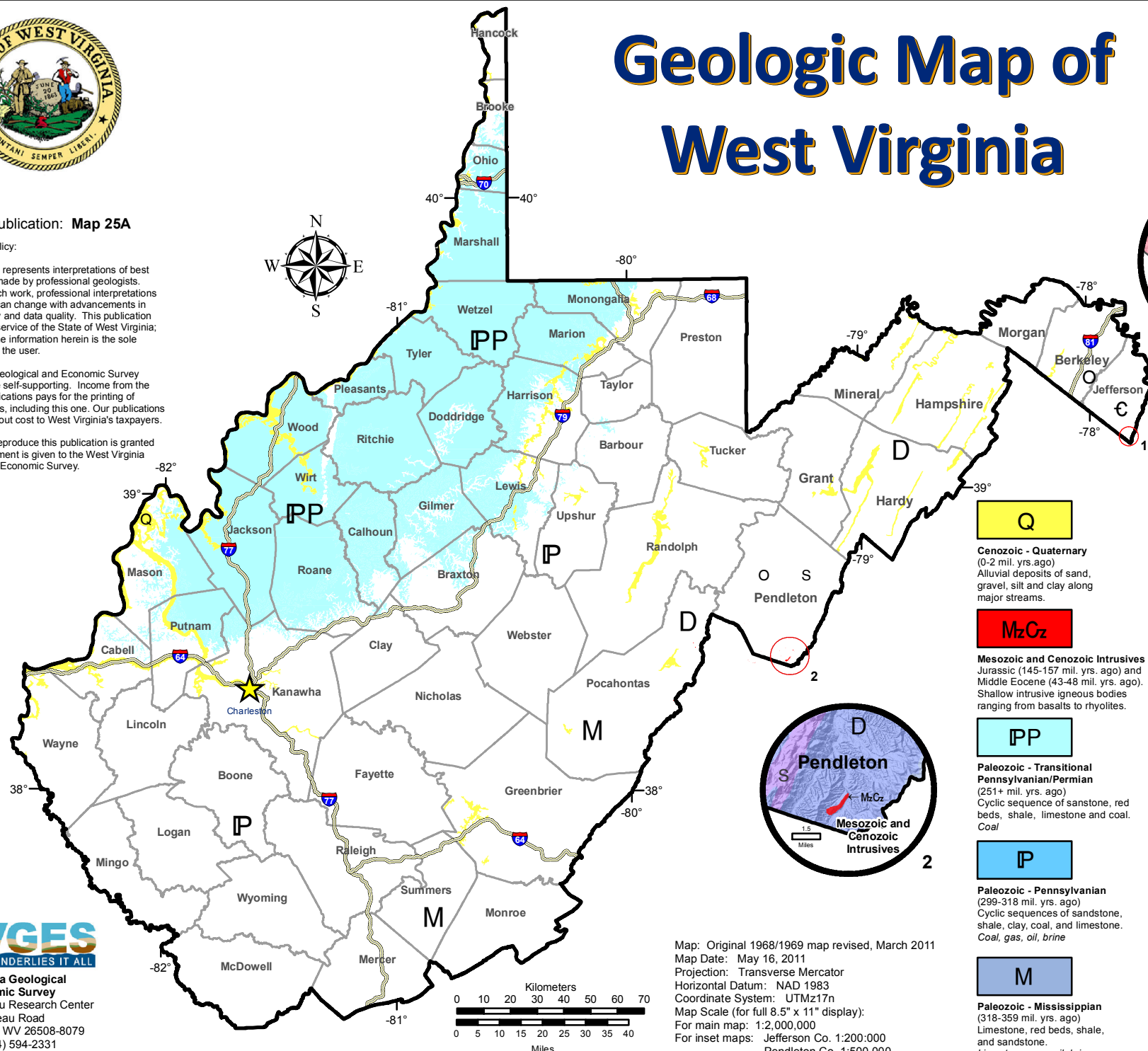
WVGES Publication: **Map 25A**

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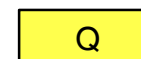
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Legend: Era-Period

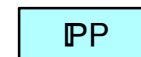
USGS Geologic Coloring Scheme



Cenozoic - Quaternary
(0-2 mil. yrs. ago)
Alluvial deposits of sand, gravel, silt and clay along major streams.



Mesozoic and Cenozoic Intrusives
Jurassic (145-157 mil. yrs. ago) and Middle Eocene (43-48 mil. yrs. ago). Shallow intrusive igneous bodies ranging from basalts to rhyolites.



Paleozoic - Transitional Pennsylvanian/Permian
(251+ mil. yrs. ago)
Cyclic sequence of sandstone, red beds, shale, limestone and coal. Coal



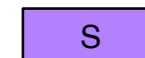
Paleozoic - Pennsylvanian
(299-318 mil. yrs. ago)
Cyclic sequences of sandstone, shale, clay, coal, and limestone. Coal, gas, oil, brine



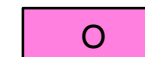
Paleozoic - Mississippian
(318-359 mil. yrs. ago)
Limestone, red beds, shale, and sandstone. Limestone, gas, oil, brine



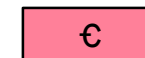
Paleozoic - Devonian
(359-416 mil. yrs. ago)
Redbeds, shale, sandstone, limestone, and chert. Gas, silica sand, limestone



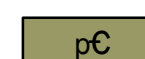
Paleozoic - Silurian
(416-444 mil. yrs. ago)
Sandstone, shale, limestone, rock salt, and ferruginous beds. Gas, limestone, artificial brine



Paleozoic - Ordovician
(444-488 mil. yrs. ago)
Limestone, dolomite, sandstone, shale, and metabentonite. Limestone (particularly low silica), building stone, clayshale



Paleozoic - Cambrian
(488-542 mil. yrs. ago)
Limestone and dolomite, some sandstone and shale.



Precambrian
(More than 542 mil. yrs. ago)
Greenstone. Present only in extreme eastern Jefferson Co.

Map: Original 1968/1969 map revised, March 2011
Map Date: May 16, 2011
Projection: Transverse Mercator
Horizontal Datum: NAD 1983
Coordinate System: UTMz17n
Map Scale (for full 8.5" x 11" display):
For main map: 1:2,000,000
For inset maps: Jefferson Co. 1:200,000
Pendleton Co. 1:500,000

WVGES
GEOLOGY UNDERLIES IT ALL

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