



Marcellus Formation in West Virginia

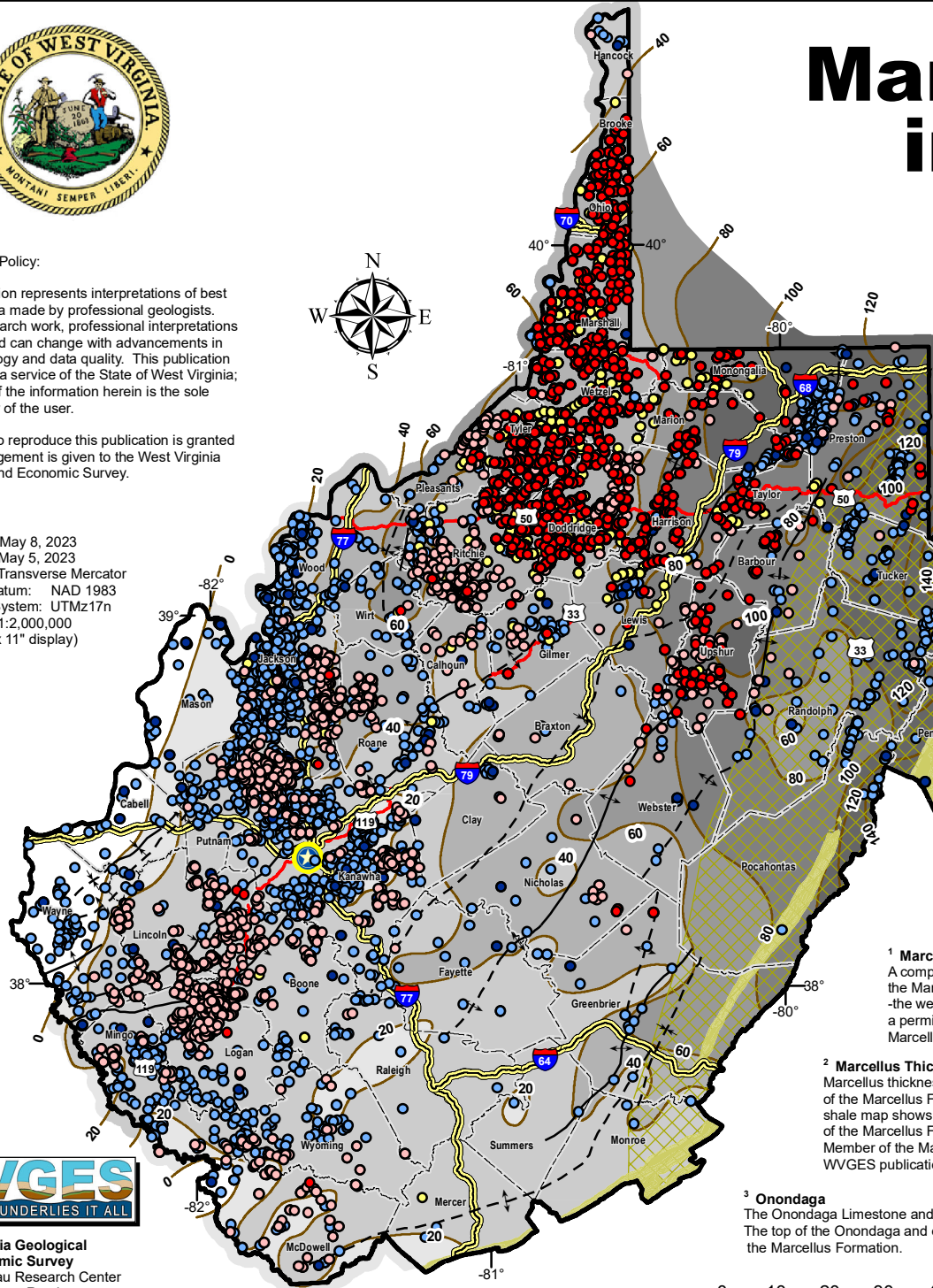
For more information about this map and the Marcellus Formation, visit <http://www.wvgs.wvnet.edu/www/datastat/devshales.htm>

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Map Date: May 8, 2023
 Data Date: May 5, 2023
 Projection: Transverse Mercator
 Horizontal Datum: NAD 1983
 Coordinate System: UTMz17n
 Map Scale: 1:2,000,000
 (for full 8.5" x 11" display)



Legend

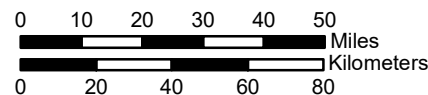
- Wells¹**
- Completed Marcellus Vertical Wells¹
 - Completed Marcellus Deviated Wells¹
 - Permitted Marcellus Wells¹
 - Wells with Digitized (LAS) Logs
 - Wells with Scanned (Raster) Logs
- Marcellus Thickness² and Onondaga Structure³**
- ▨ Area With Suspect Thicknesses Due To Structure
 - 60— Marcellus (Net Shale) Isochore (Lines, Labels)
- Marcellus (Net Shale) Isochore (Colorfill)**
- | | |
|-------------|---------------|
| 0 ft. | 80 - 100 ft. |
| 1 - 20 ft. | 100 - 200 ft. |
| 20 - 40 ft. | 200 - 300 ft. |
| 40 - 60 ft. | Over 300 ft. |
| 60 - 80 ft. | |
- ▨ Marcellus Formation and Older Outcrops
- Onondaga Fold Axis³**
- | | |
|--------------------------|-------------------------|
| ↕ Anticline | ↕ Syncline |
| - - - Inferred Anticline | - - - Inferred Syncline |
- Reference**
- ★ Charleston, WV
 - State Boundary
 - ▭ County Boundaries
 - Interstate Highways
 - U.S. Highways

Explanations

¹ Marcellus Wells
 A completed Marcellus well has one or more zones in the Marcellus that have been prepared for production—the well may or may not be producing currently; a permitted Marcellus well is one with a Marcellus/Devonian shale or deeper target.

² Marcellus Thickness
 Marcellus thickness data do not represent the entire thickness of the Marcellus Formation but a subset of it. Specifically, the net shale map shows the thickness of the Oatka Creek Member of the Marcellus Formation/"upper Marcellus" and Union Springs Member of the Marcellus Formation/"lower Marcellus." Please see WVGES publication RI-35 (2018) for additional information.

³ Onondaga
 The Onondaga Limestone and equivalents underlie the Marcellus Formation. The top of the Onondaga and equivalents is equal to the base of the Marcellus Formation.



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