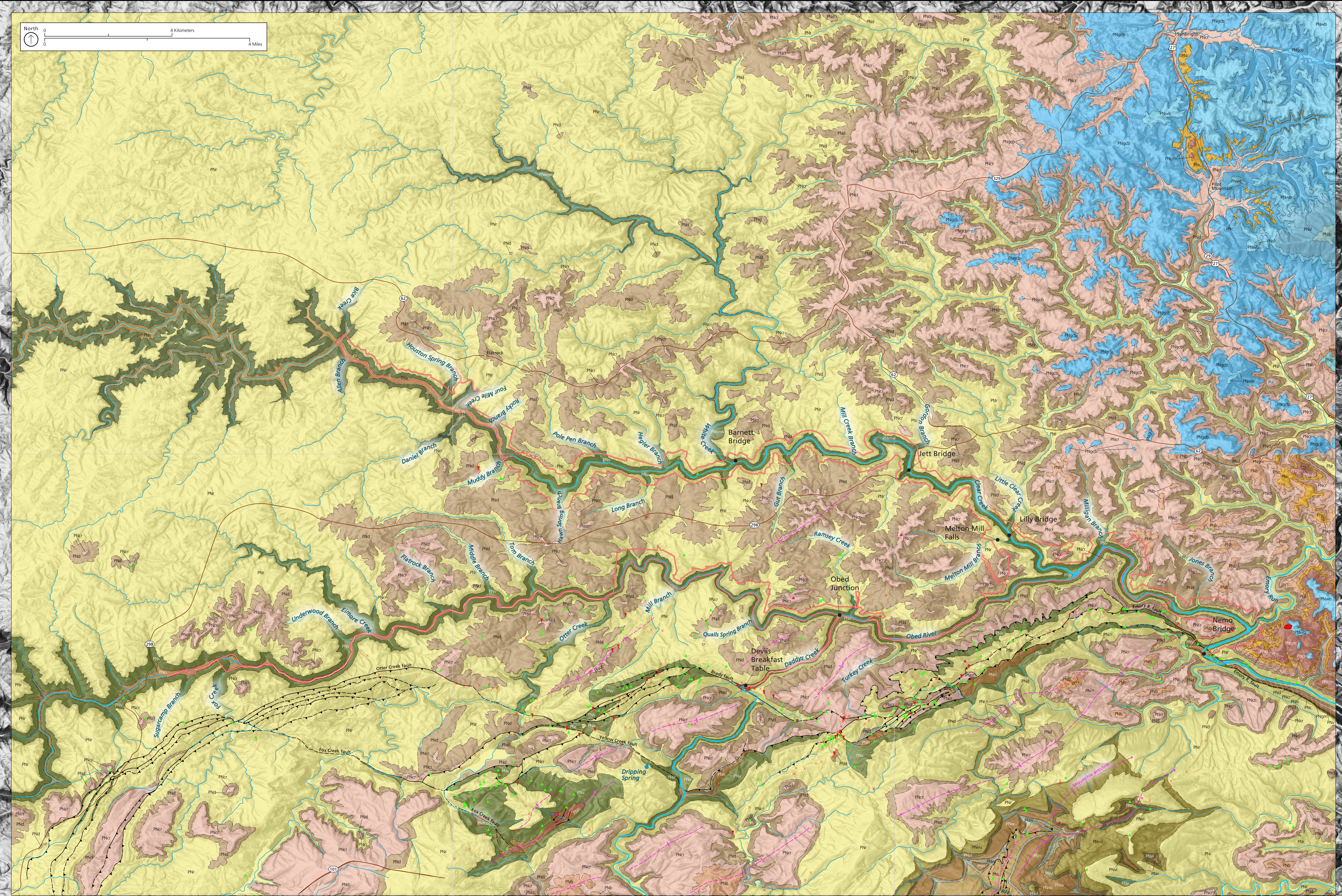


Obed Wild & Scenic River

Tennessee



LEGEND

- NPS boundary
- Highways and roads
- Water
- Dripping Spring
- Point of interest
- Geologic Observation Locations**
- observation locality
- observed float
- exposed geologic contact
- outcrop locality
- Geologic Hazard Features**
- debris flows
- Faults**
- solid bold where known or certain, long dashed where approximate, dashed where inferred
- teeth point toward the overriding block, arrows indicate relative motion across the fault plane
- thrust fault
- right-lateral strike-slip fault
- Folds**
- solid where known or certain, dashed where approximate, arrows pointing in the down dip direction, arrow head indicates fold plunge
- anticline
- syncline

Geologic Contacts

solid black where known or certain, long-dashed where approximate, gray where an internal quadrangle boundary, blue where a shoreline

contact

Geologic Units

- Indian Bluff Formation (Middle Pennsylvanian)
- Slatestone Formation (Middle and Lower Pennsylvanian)
- Wartburg Sandstone, undivided (Lower Pennsylvanian)
- Wartburg Sandstone, lower member (Lower Pennsylvanian)
- Glenmary Shale (Lower Pennsylvanian)
- Glenmary Shale and Coalfield Sandstone, undifferentiated (Lower Pennsylvanian)
- Glenmary Shale, Coalfield Sandstone, and Burnt Mill Shale, undifferentiated (Lower Pennsylvanian)
- Coalfield Sandstone (Lower Pennsylvanian)
- Burnt Mill Shale (Lower Pennsylvanian)
- Crossville Sandstone (Lower Pennsylvanian)
- Dorton Shale (Lower Pennsylvanian)
- Rockcastle Conglomerate (Lower Pennsylvanian)
- Vandever Formation (Lower Pennsylvanian)
- Vandever Formation, upper unit (Lower Pennsylvanian)
- Vandever Formation, lower unit (Lower Pennsylvanian)
- Vandever Formation, Newton Sandstone, and Whitwell Shale, undifferentiated (Lower Pennsylvanian)
- Newton Sandstone (Lower Pennsylvanian)
- Whitwell Shale (Lower Pennsylvanian)
- Sewanee Conglomerate (Lower Pennsylvanian)
- Gizzard Group (Lower Pennsylvanian)

Melton Mill Falls. Resistant rock layers in the Rockcastle Sandstone form ledges, cliffs, and waterfalls in Obed Wild & Scenic River. NPS photograph taken in 2015.

Location Map

This map displays geologic map data compiled by the National Park Service Geologic Resources Inventory (GRI). It is not a substitute for site-specific investigations. All GRI products are available at <https://go.nps.gov/gripubs>.

GRI Source Maps:

Scruggs, P. L., B. Rascoe, R. G. Stearns, B. R. Hansen, A. L. Wunderlich, and R. D. Hatcher, Jr. 2015. Geologic map of the Fox Creek 7.5-minute quadrangle, Tennessee (scale 1:24,000). 7.5-Minute Series Map. University of Tennessee, Knoxville, Tennessee.

Scruggs, P. L., R. G. Stearns, B. R. Hansen, A. L. Wunderlich, and R. D. Hatcher, Jr. 2015. Geologic map of the Hebbertsburg 7.5-minute quadrangle, Tennessee (scale 1:24,000). 7.5-Minute Series Map. University of Tennessee, Knoxville, Tennessee.

Coker, A. E. 1965. Geologic map and mineral resources of the Jones Knob quadrangle, Tennessee (scale 1:24,000). Geologic Quadrangle Map GM 116-NW. Tennessee Division of Geology, Nashville, Tennessee.

Scruggs, P. L., J. L. Moore, D. F. Gilmore, B. R. Hansen, A. L. Wunderlich, J. R. Rehner, and R. D. Hatcher, Jr. 2015. Geologic map of the Lancing 7.5-minute quadrangle, Tennessee (scale 1:24,000). 7.5-Minute Series Map. University of Tennessee, Knoxville, Tennessee.

Finlayson, C. P., R. L. Powell, G. E. Kronman, and J. L. Moore. 1985. Geologic map and mineral resources summary of the Pilot Mountain quadrangle, Tennessee (scale 1:24,000). 7.5-Minute Series Map. University of Tennessee, Knoxville, Tennessee.

Coker, A. E. 1965. Geologic map and mineral resources summary of the Twin Bridges quadrangle, Tennessee (scale 1:24,000). Geologic Quadrangle Map GM 116-NE. Tennessee Division of Geology, Nashville, Tennessee.

Source Scale: 1:24,000. According to US National Map Accuracy Standards, features are within 12 m (40 ft) of their true location.

Poster Layout: Trista L. Thornberry-Ertlich (Colorado State University)

Poster Date: February 2025