

LU-1, G-1	ER Section 2.2.1	Provide a knowledgeable expert to discuss the possibility of natural gas being found underneath the BBNPP site.	RIZZO	Jeffrey Schubert
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Pennsylvania is a major producer of oil and gas in the eastern U.S. However, most of the oil and gas is being produced in western, northwestern, and northern Pennsylvania (see Figures 1 and 2). Recently, there has been great interest in the Marcellus and other Devonian shales as potential new source of gas. A new surge in drilling has occurred due to the rise in gas prices and the improvement of drilling technology. Overall, the areas of greatest development is north and northwest of the BBNPP Site (outside of Columbia and Luzerne counties).

Records obtained from the Pennsylvania Department of Environmental Protection (PADEP), Bureau of Oil and Gas Management show that there has been no recent oil or gas activity in Columbia County, and only nine wells drilled in Luzerne County. Out of these nine wells, only one is active (see Figure 3). Thus, the potential to find oil or gas deposits of economic value are relatively low for area immediately surrounding the BBNPP.

Reference: Sumi, L. 2008. "Shale Gas: Focus on the Marcellus Shale." Report prepared for the Oil & Gas Accountability Project, Durango, CO.

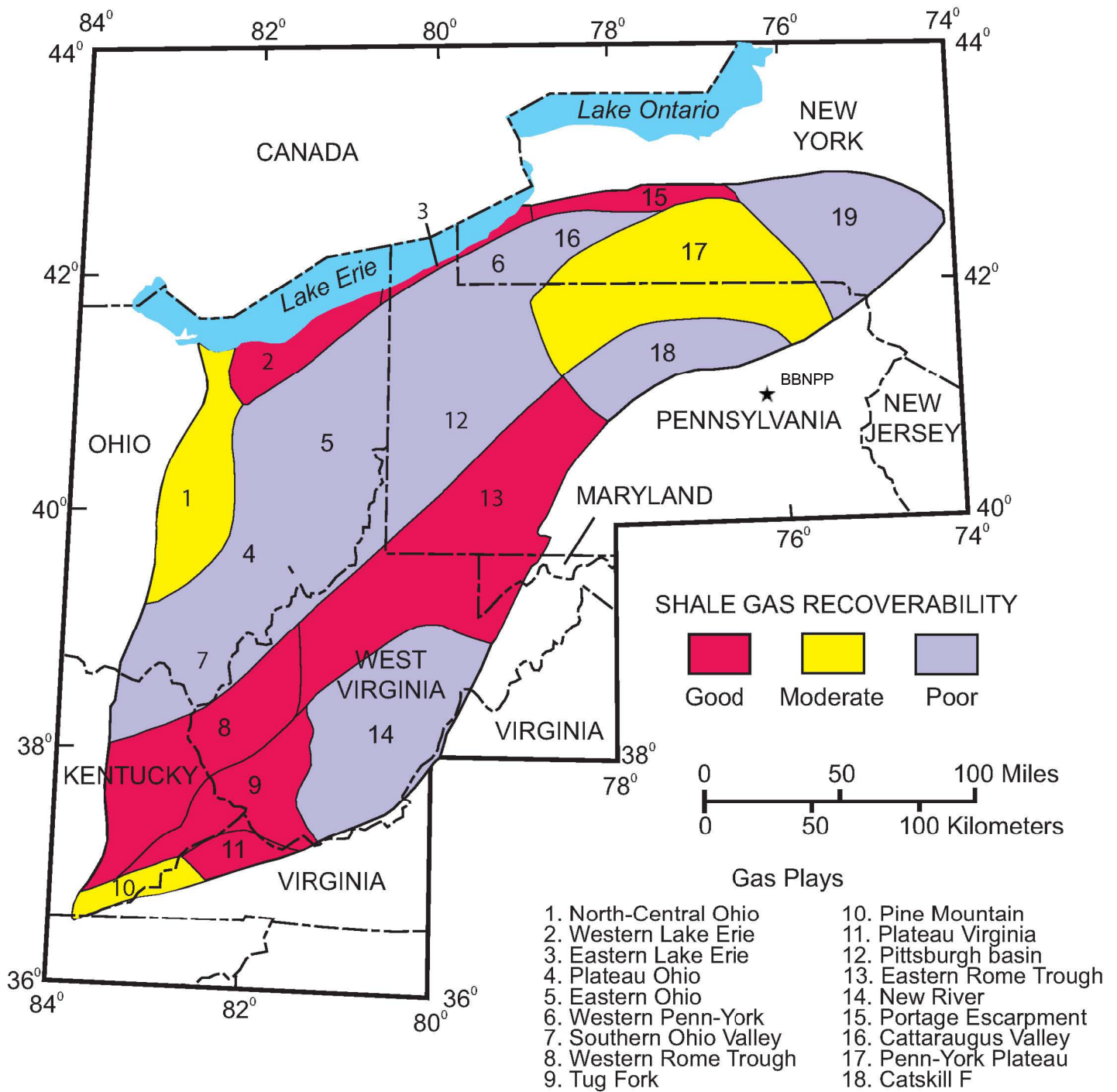


Figure 1. Qualitative assessment of gas recoverability from Devonian shales of the Appalachian basin (from Sumi, 2008).

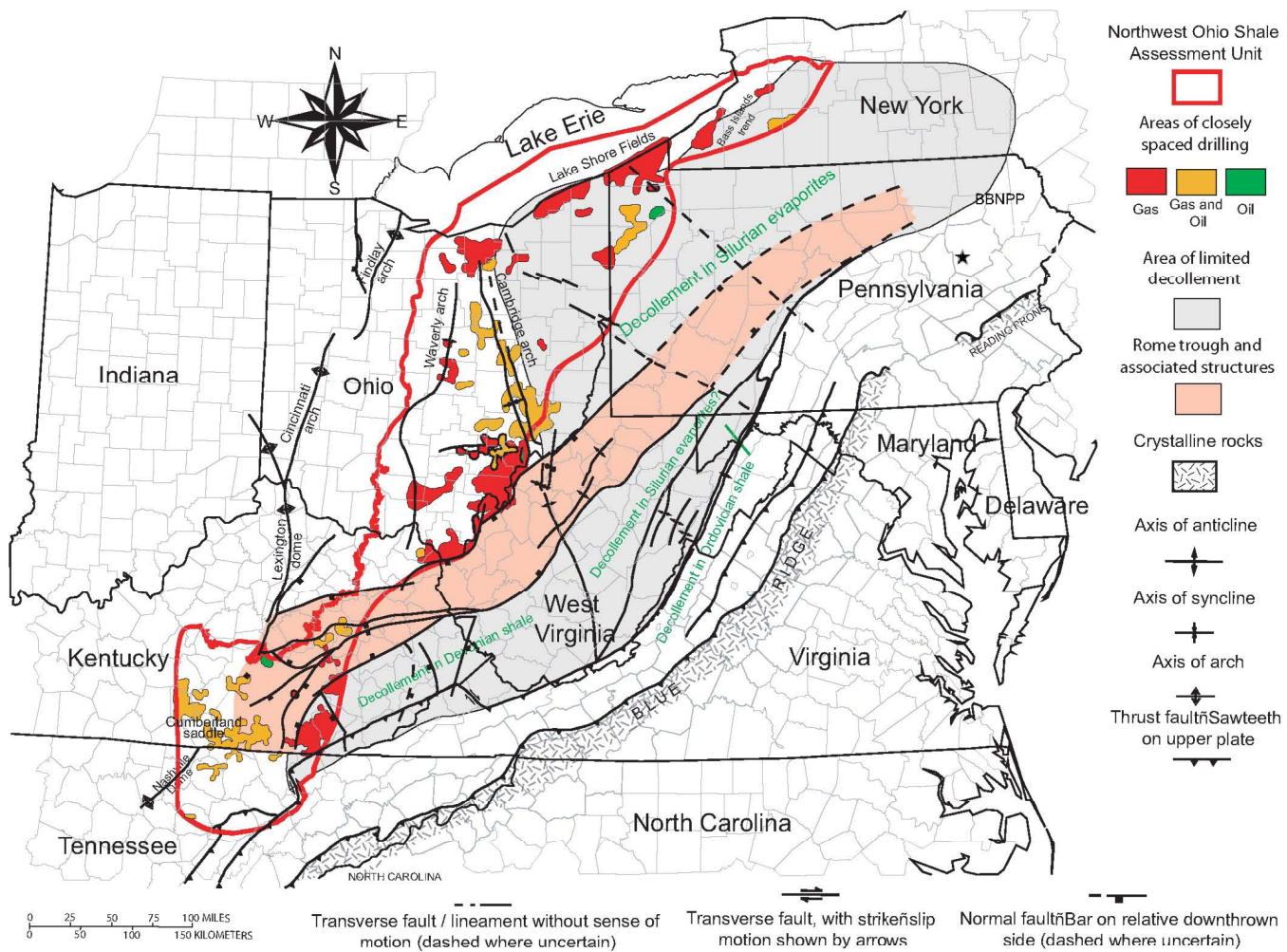
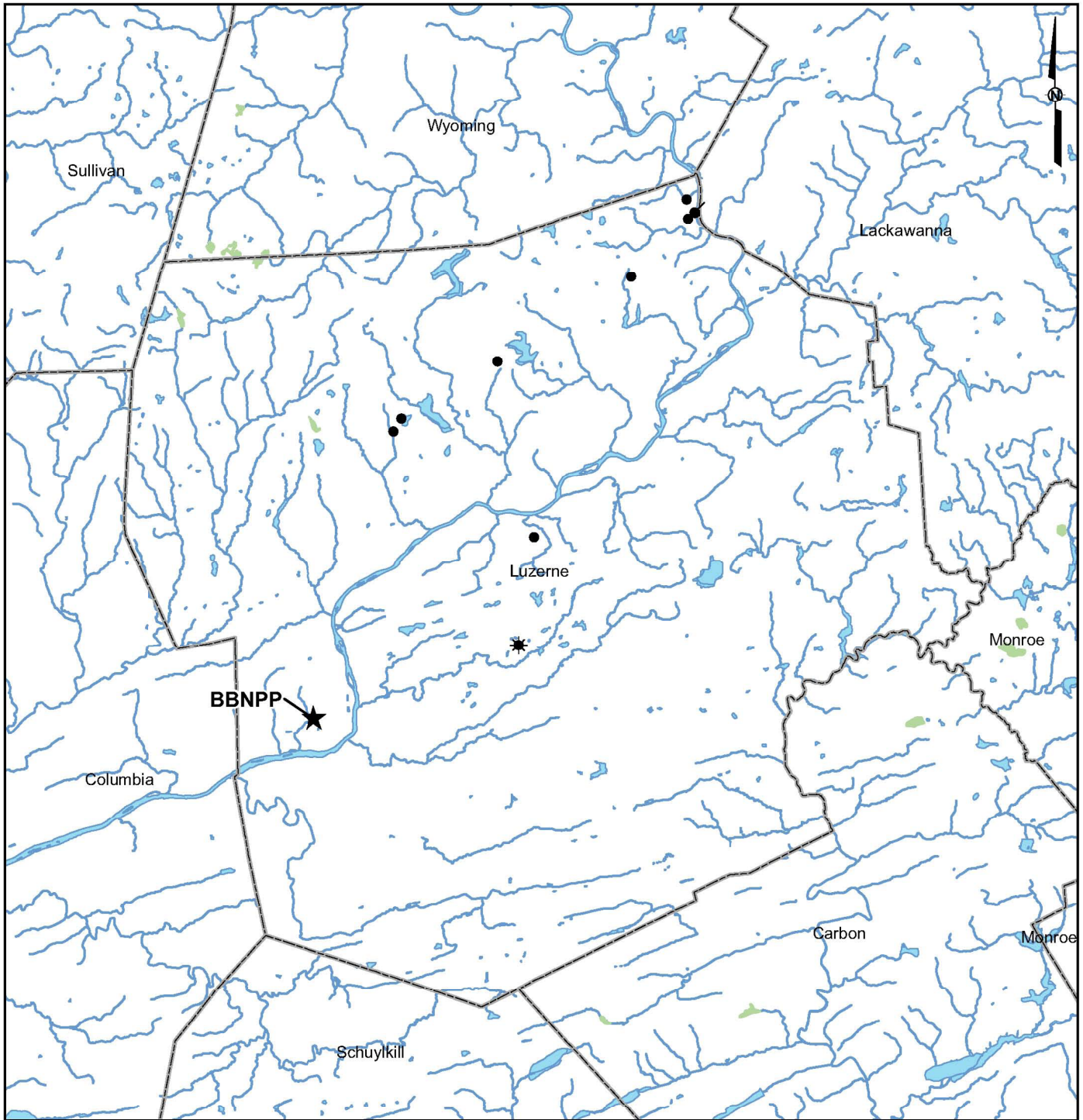


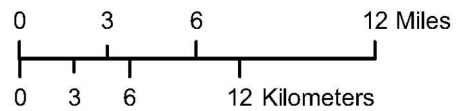
Figure 2. Northwestern Ohio Shale AU showing relationship of hydrocarbon accumulations to geologic structure (from Sumi, 2008).





**LEGEND**

- ★ Center Point of Bell Bend NPP (BBNPP)
- Oil and Gas Well Locations (PADEP, 2008)
  - ★ Abandoned
  - Active
  - Inactive
  - ⊙ Proposed But Never Materialized
- ▭ County Boundary
- Streams and Rivers
- Waterbody



**REFERENCES**

- ESRI StreetMap Pro [CD-ROM], 2007, rivers, waterbodies, and county boundaries.
- Oil and Gas Locations from PASDA, published by PADEP. <http://www.pasda.psu.edu/data/dep/> Downloaded April 6, 2009.

Figure 3. Oil and Gas Wells Identified in Luzerne County.