The preparation of this map was funded by the West Dakota Water Development District in association with the Department of Geology and Geological Engineering.


Depth to Top of Minnelusa Formation in the Rapid City West Quadrangle

By A.L. Lisenber and S. Miller 2010

Depth to Minnelusa Formation in the Wild Canyon (Piedmont) 4400

Geologic Units

Quaternary
- Fault
- Intermittent Stream
- Perennial Stream
- Karst Features
- Rapid City Limits
- Black Hill Nat. Forest Boundary

Pennsylvanian
- Floodplain Surficial Deposits
- Other Surficial Deposits
- Monocline - Synclinal bend
- Monocline - Anticline bend
- Minnelusa Formation - Recharge Area

Geologic Layer:
- Pennsylvanian Unconformity: Contact
- Intermittent Stream: Begin
t- Perennial Stream: Beginnt
- Karst Features: Blending into Pennsylvanian Fracture
- Rapid City Limits: Blending into Pennsylvanian Fracture
- Black Hill Nat. Forest Boundary: Blending into Pennsylvanian Fracture

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The map shows the depth to the Minnelusa Formation in the Rapid City West Quadrangle, with various geological units and features indicated. The map includes an EXPLANATION section explaining the symbols and layers used in the map. The map also includes a REFERENCE SCALE indicating the scale of the map.

The map is useful for understanding the subsurface geology and hydrogeology of the area, particularly for water resource management and planning.