First Occurrence of Aquifer Materials in Miner County, South Dakota

**Explanation**

The aquifer materials shown on this map are generally less than or equal to 100 feet below land surface. Generally, these materials are formed from sand and gravel; sand and gravel interbedded with the Carlile Shale; and sand and gravel interbedded with the Niobrara Formation. The materials are generally thin layers of material that are not uniform in depth and thickness and may be discontinuous in lateral extent. Therefore, not all of the areas defined on this map may be an aquifer. Site-specific information should always be examined when making land management or water development decisions.

The aquifer materials shown on this map are categorized below. This map does not show the boundaries of any given map unit, there may be localized areas where aquifer material is absent. However, only the aquifer material that would be first encountered is shown. Within the individual aquifers, there may be more than one type of aquifer material present in an area.

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**Sand and Gravel:**

- May not be uniform in depth and thickness and may be discontinuous in lateral extent.
- First occurrence is generally less than or equal to 100 feet below land surface.

**Niobrara Formation:**

- Consists of a calcareous chalk.
- First occurrence is generally less than or equal to 100 feet below land surface.

**Sand and Gravel:**

- May not be uniform in depth and thickness and may be discontinuous in lateral extent.
- First occurrence is generally less than or equal to 100 feet below land surface.

**Consists of a fine- to medium-grained sandstone:**

- First occurrence is generally less than or equal to 100 feet below land surface.

**Codell Sandstone Member of the Carlile Shale:**

- First occurrence is generally less than or equal to 100 feet below land surface.

**First occurrence of Aquifer Materials in Miner County, South Dakota**

**Index map of South Dakota showing the location of Miner County:**

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