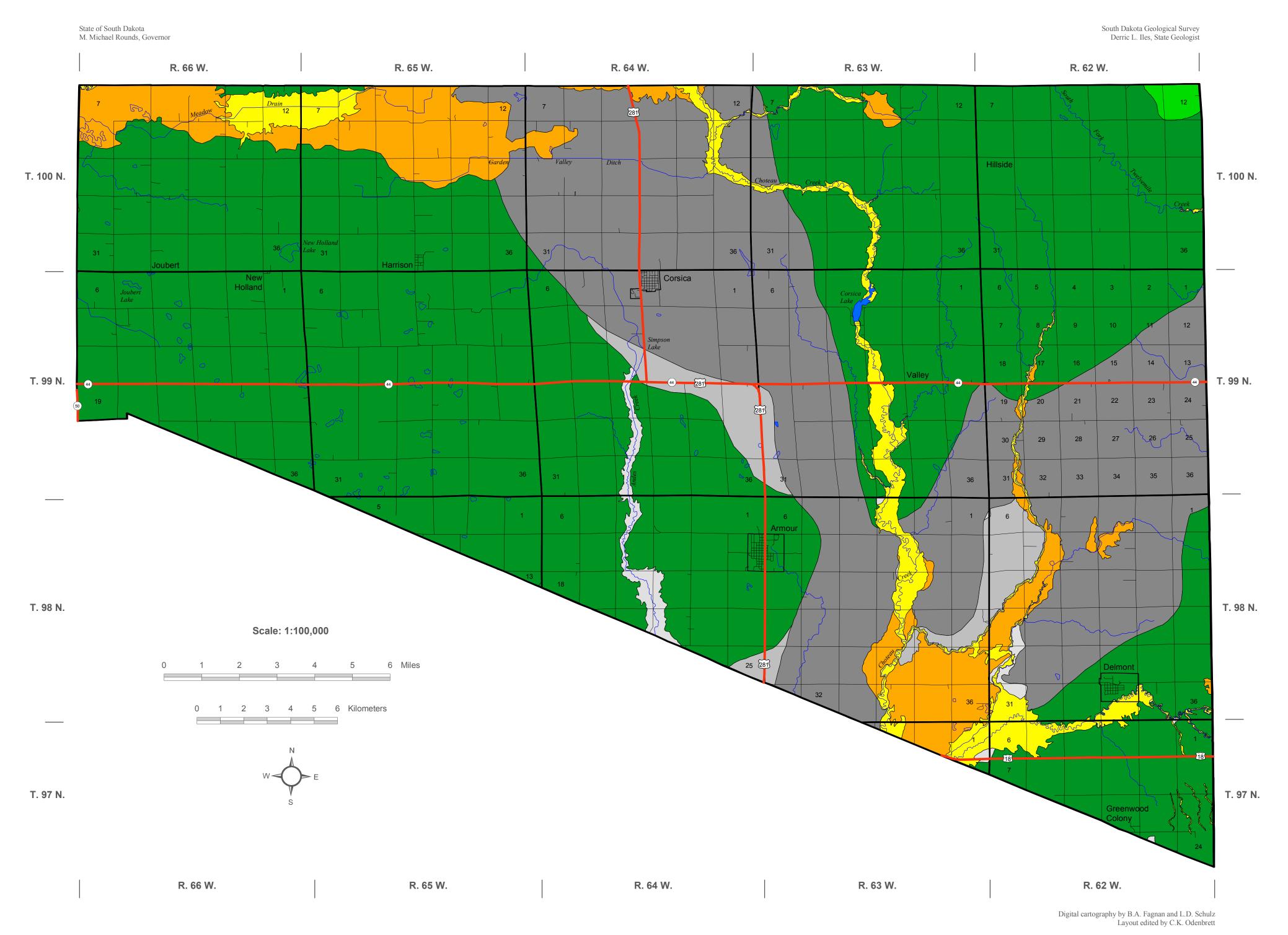
First Occurrence of Aquifer Materials in Douglas County, South Dakota

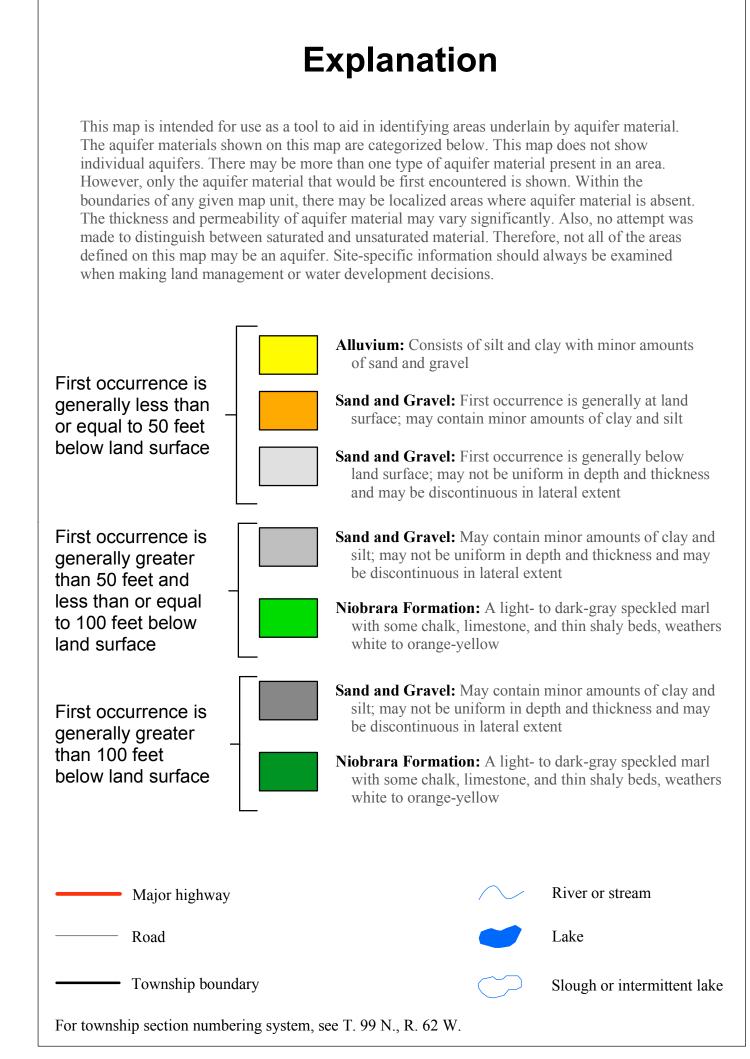




Index map of South Dakota showing the location of Douglas County



Department of Environment and Natural Resources
Division of Financial and Technical Assistance
Geological Survey
Aquifer Materials Map 28
Ann R. Jensen, 2008



This map was developed from lithologic logs and published reports. The major sources of information were:

Christensen, C.M., 1974, *Geology and water resources of Bon Homme County, South Dakota; Part I: Geology:* South Dakota Geological Survey Bulletin 21, 48 p.

1989, Geology of Davison and Hanson Counties, South Dakota: South Dakota Geological

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Hansen, D.S., 1983, *Water resources of Hanson and Davison Counties, South Dakota*: U.S.

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Hedges, L.S., 1972, *Sand and gravel resources in Charles Mix and Douglas Counties, South Dakota*: South Dakota Geological Survey Circular 42, 6 p.

____1975, Geology and water resources of Charles Mix and Douglas Counties, South Dakota; Part I: Geology: South Dakota Geological Survey Bulletin 22, 43 p.

Jensen, A.R., 2004, First occurrence of aquifer materials in Aurora County, South Dakota: South Dakota Geological Survey Aquifer Materials Map 20, scale 1:100,000.

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Jorgensen, D.G., 1971, *Geology and water resources of Bon Homme County, South Dakota; Part II: Water resources:* South Dakota Geological Survey Bulletin 21, 61 p.

Kume, J., 1972, *Major aquifers in Charles Mix and Douglas Counties, South Dakota*: South Dakota Geological Survey Information Pamphlet 2, 6 p.

_____1977, Geology and water resources of Charles Mix and Douglas Counties, South Dakota; Part II: Water resources: South Dakota Geological Survey Bulletin 22, 31 p.

Lindgren, R.J., and Hansen, D.S., 1990, *Water resources of Hutchinson and Turner Counties, South Dakota*: U.S. Geological Survey Water-Resources Investigations Report 90-4093, 100 p.

Schulz, L.D., and Smith, K.N., 2004, *First occurrence of aquifer materials in Davison County, South Dakota*: South Dakota Geological Survey Aquifer Materials Map 16, scale 1:100,000.

South Dakota Geological Survey Lithologic logs database.

Tomhave, D.W., and Schulz, L.D., 2004, *Bedrock geologic map showing configuration of the bedrock surface in South Dakota east of the Missouri River*: South Dakota Geological Survey General Map 9, scale 1:500,000.

The Geological Survey, Department of Environment and Natural Resources, engages in an ongoing data collection and interpretation process. An outcome of that process is to reflect those interpretations on maps such as this one. Reasonable efforts have been made to ensure that this map accurately reflects the source data used in its preparation. This map is date specific. As additional data become available, geologic interpretations may be revised and the map may be updated by the Geological Survey. This map should not be enlarged or otherwise used in an attempt to interpret more detail than can be seen at the 1:100,000 scale.

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