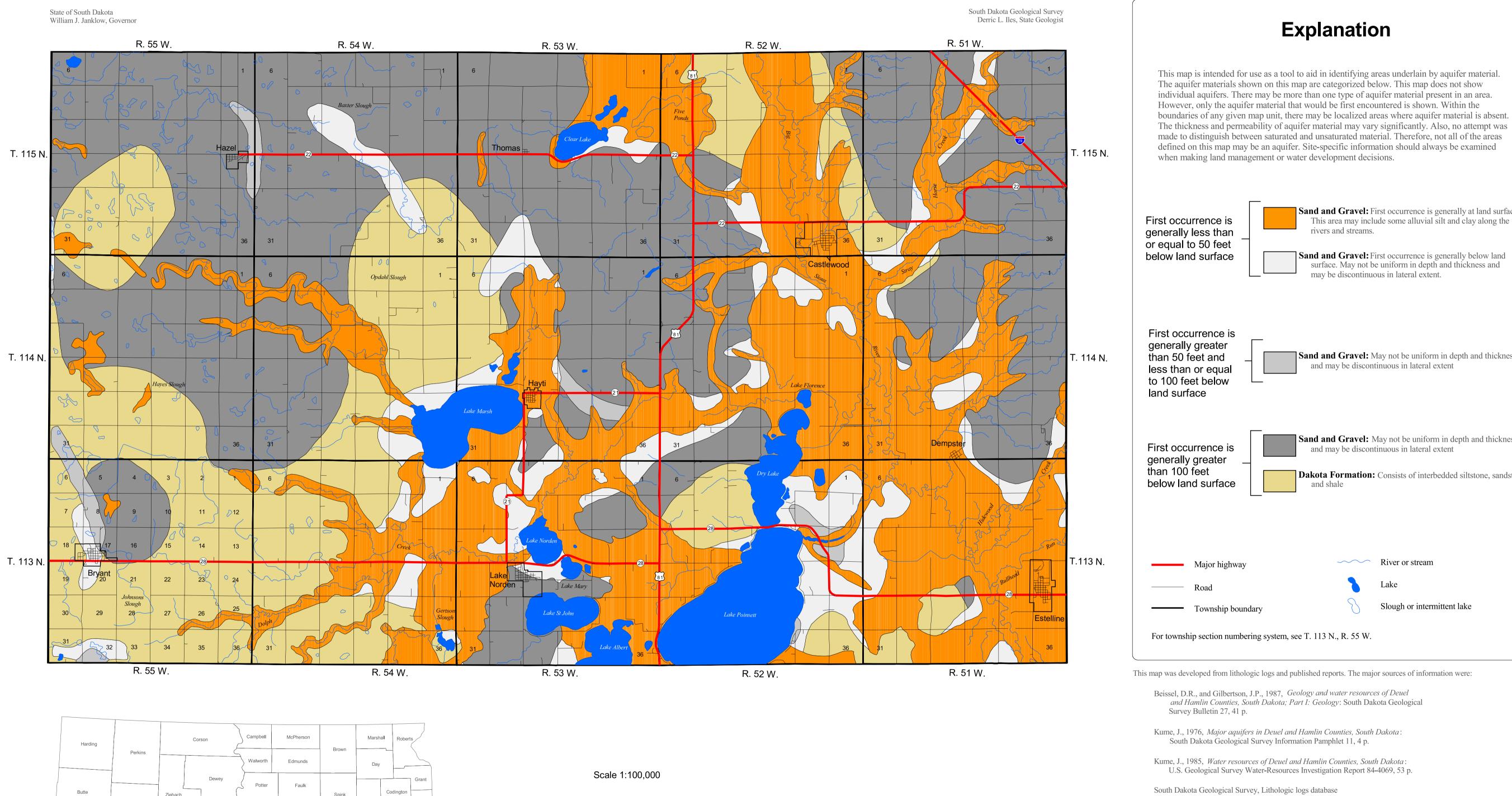
## First Occurrence of Aquifer Materials in Hamlin County, South Dakota

Department of Environment and Natural Resources Division of Financial and Technical Assistance Geological Survey Aquifer Materials Map 8 Ann R. Jensen, 2001



0 1 2 3 4 5 6 Kilometers

Pennington

Index map of South Dakota showing the location of Hamlin County

Fall River

The thickness and permeability of aquifer material may vary significantly. Also, no attempt was made to distinguish between saturated and unsaturated material. 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. Sand and Gravel: First occurrence is generally at land surface. This area may include some alluvial silt and clay along the rivers and streams. Sand and Gravel: First occurrence is generally below land surface. May not be uniform in depth and thickness and may be discontinuous in lateral extent. Sand and Gravel: May not be uniform in depth and thickness and may be discontinuous in lateral extent Sand and Gravel: May not be uniform in depth and thickness and may be discontinuous in lateral extent **Dakota Formation:** Consists of interbedded siltstone, sandstone, River or stream Slough or intermittent lake For township section numbering system, see T. 113 N., R. 55 W.

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

Beissel, D.R., and Gilbertson, J.P., 1987, Geology and water resources of Deuel and Hamlin Counties, South Dakota; Part I: Geology: South Dakota Geological

Kume, J., 1976, Major aquifers in Deuel and Hamlin Counties, South Dakota: South Dakota Geological Survey Information Pamphlet 11, 4 p.

Department of Environment

& Natural Resources

Geological Survey

Kume, J., 1985, Water resources of Deuel and Hamlin Counties, South Dakota: U.S. Geological Survey Water-Resources Investigation Report 84-4069, 53 p.

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.