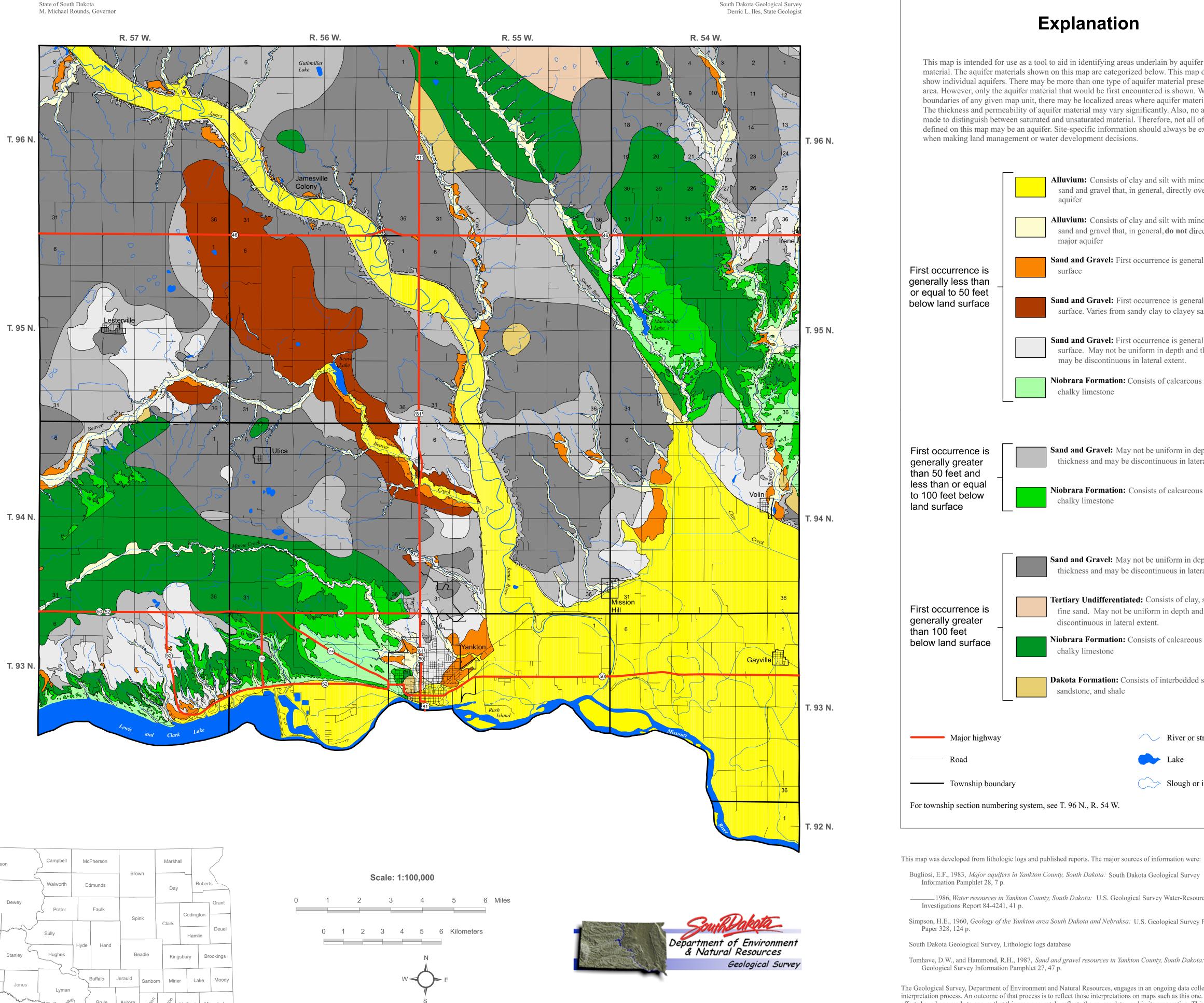
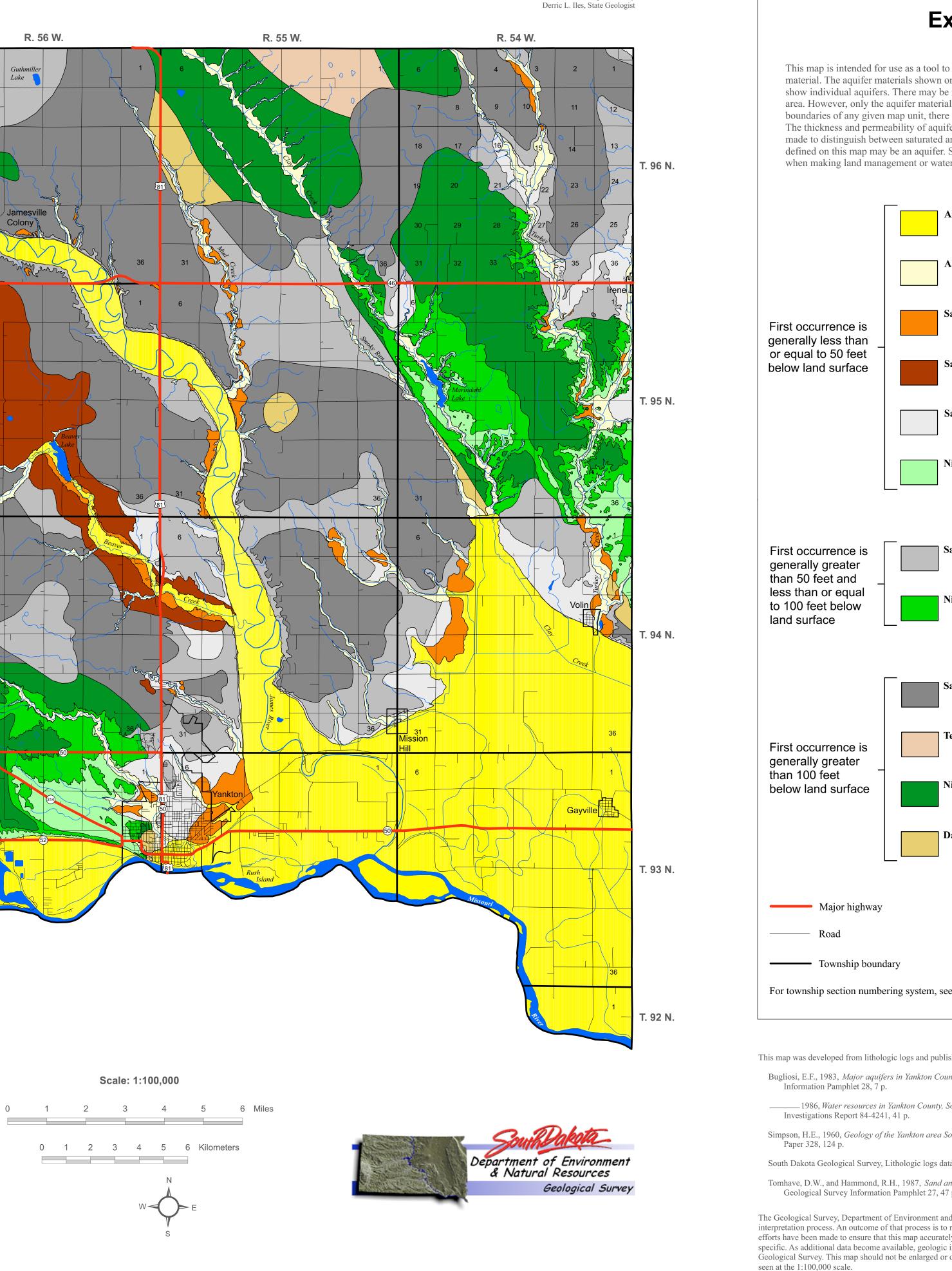
## **First Occurrence of Aquifer Materials** in Yankton County, South Dakota







## Department of Environment and Natural Resources **Division of Financial and Technical Assistance Geological Survey** Aquifer Materials Map 14 Kelli A. McCormick, 2003

## Explanation

to aid in identifying areas underlain by aquifer on this map are categorized below. This map does not be more than one type of aquifer material present in an ial that would be first encountered is shown. Within the re may be localized areas where aquifer material is absent. ifer material may vary significantly. Also, no attempt was and unsaturated material. Therefore, not all of the areas :. Site-specific information should always be examined ter development decisions.
<b>Alluvium:</b> Consists of clay and silt with minor amounts of sand and gravel that, in general, directly overlie a major aquifer
<b>Alluvium:</b> Consists of clay and silt with minor amounts of sand and gravel that, in general, <b>do not</b> directly overlie a major aquifer
<b>Sand and Gravel:</b> First occurrence is generally at land surface
<b>Sand and Gravel:</b> First occurrence is generally at land surface. Varies from sandy clay to clayey sand and gravel.
<b>Sand and Gravel:</b> First occurrence is generally below land surface. May not be uniform in depth and thickness and may be discontinuous in lateral extent.
<b>Niobrara Formation:</b> Consists of calcareous marl and chalky limestone
<ul> <li>Sand and Gravel: May not be uniform in depth and thickness and may be discontinuous in lateral extent</li> <li>Niobrara Formation: Consists of calcareous marl and chalky limestone</li> </ul>
<b>Sand and Gravel:</b> May not be uniform in depth and thickness and may be discontinuous in lateral extent
<b>Tertiary Undifferentiated:</b> Consists of clay, silt, and fine sand. May not be uniform in depth and may be discontinuous in lateral extent.
<b>Niobrara Formation:</b> Consists of calcareous marl and chalky limestone
<b>Dakota Formation:</b> Consists of interbedded siltstone, sandstone, and shale
River or stream
Lake
ee T. 96 N., R. 54 W.

\_\_\_\_\_1986, Water resources in Yankton County, South Dakota: U.S. Geological Survey Water-Resources

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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