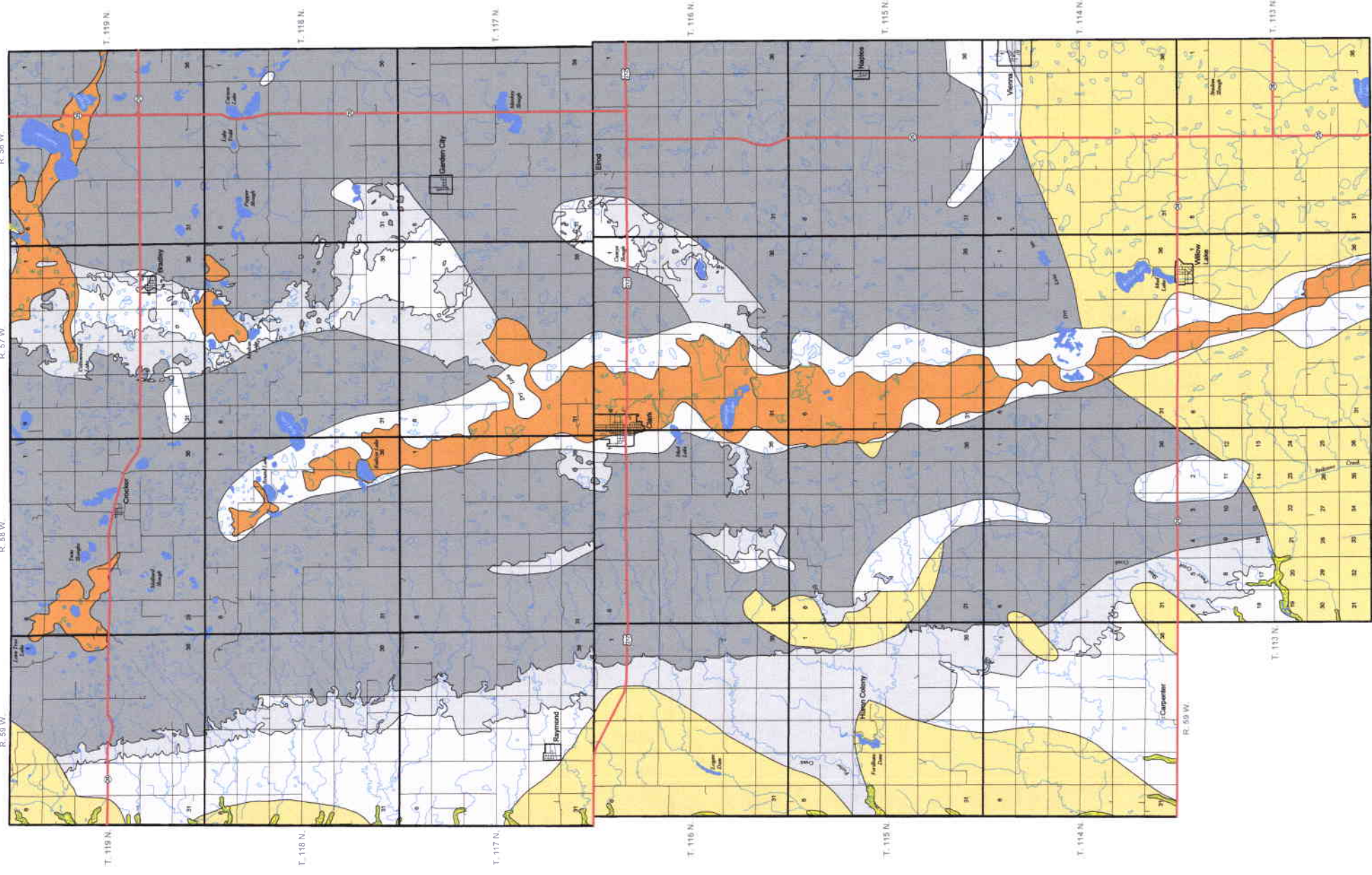


First Occurrence of Aquifer Materials in Clark County, South Dakota

State of South Dakota
Department of Environment and Natural Resources
Division of Financial and Technical Assistance
Geological Survey
Aquifer Materials Map 2
Ann R. Jensen, 2001



Explanation

This map is intended for use as a tool to aid in identifying areas underlain by aquifer materials in Clark County, South Dakota. It is not intended to be used as a basis for legal decisions. The map is based on the best available information and is subject to change as more information becomes available. The map is not a guarantee of the accuracy of the information shown. The map is for informational purposes only and should not be used for legal or financial decisions. The map is the property of the Department of Environment and Natural Resources and is loaned to you for your use only. It is not to be reproduced or distributed without the written permission of the Department of Environment and Natural Resources.

First occurrence is generally less than or equal to 50 feet below land surface

Yellow Alluvium: Composed of clay and silt with minor amounts of sand and gravel.

Orange Sand and Gravel: First occurrence is generally at land surface.

White 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.

First occurrence is generally greater than 50 feet and less than or equal to 100 feet below land surface

Light Gray Sand and Gravel: May not be uniform in depth and thickness and may be discontinuous in lateral extent.

First occurrence is generally greater than 100 feet below land surface

Dark Gray Sand and Gravel: May not be uniform in depth and thickness and may be discontinuous in lateral extent.

Yellow Dakota Formations: Consists of interbedded siltstone, sandstone, and shale.

Major highway (thick red line)

Road (thin red line)

Township boundary (black line)

River or stream (blue line)

Lake (blue area)

Slough or intermittent lake (light blue area)

For township section numbering system, see T. 113 N., R. 38 W.

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

- Thompson, C.M., 1983, "Geology and water resources of Clark County, South Dakota," Report of the South Dakota Geological Survey, Bulletin 50, 34 p.
- Halliburton, L.J., 1978, "Major aquifers in Clark County, South Dakota," South Dakota Geological Survey, Information Pamphlet 16, 5 p.
- 1986, "Geology and water resources of Clark County, South Dakota," Part II, Bureau of Reclamation, South Dakota Geological Survey, Bulletin 50, 34 p.
- Schroeder, W., 1977, "Sand and gravel resources in Clark County, South Dakota," South Dakota Geological Survey, Information Pamphlet 15, 11 p.
- South Dakota Geological Survey, 1984, "Geological Survey of South Dakota."

The Geological Survey, Department of Environment and Natural Resources, is an ongoing study of the geology and water resources of Clark County, South Dakota. The study is a continuing effort to provide the public with the most current and accurate information available. The map is a result of this ongoing study and is subject to change as more information becomes available. The map is for informational purposes only and should not be used for legal or financial decisions. The map is the property of the Department of Environment and Natural Resources and is loaned to you for your use only. It is not to be reproduced or distributed without the written permission of the Department of Environment and Natural Resources.



Index map of South Dakota showing the location of Clark County.

Publication Date: April 3, 2001

