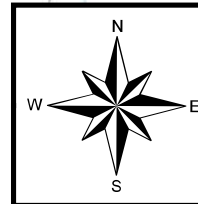


NE3112904

T 1N

Wellhead Protection Area Boundary



Time-of-Travel lines are created using the U.S. EPA's Wellhead Analytic Element Model, WhAEM2000, 3.2.1 which assumes steady-state flow and average groundwater travel times. This model is a representation of reality based on the best known geologic, water level, and pumping information available. NDEQ will continue to update and revise wellhead protection areas as new information becomes available.

The wellhead protection boundary was deliberately drawn slightly larger than time-of-travel lines shown on the map to allow for seasonal changes and some natural variability in the aquifer. The wellhead protection boundary is also drawn to conform to property boundaries, section lines, and water bodies to allow for easier land management and identification.



Time of Travel

- 0-1 Year
- 1-2 Year
- 2-10 Year
- 10-20 Year

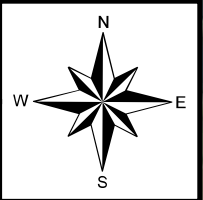
SUPERIOR

NUCKOLLS COUNTY

Drawn by Nebraska Department of
Environmental Quality, Wellhead
Protection Program, March 2014

JW

NE3112904



14

R 7W R 6W

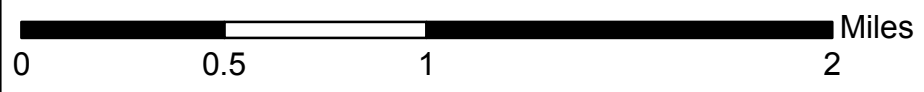
Wellhead Protection Area Boundary

T 1N

T 1N

Time-of-Travel lines are created using the U.S. EPA's Wellhead Analytic Element Model, WhAEM2000, 3.2.1 which assumes steady-state flow and average groundwater travel times. This model is a representation of reality based on the best known geologic, water level, and pumping information available. NDEQ will continue to update and revise wellhead protection areas as new information becomes available.

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G-033593
Well 70-3
Well #3

G-040079
Well 73-4
Well #9

G-033469
Well 70-5
Well #5
Emergency

G-033594
Well 70-2
Well #2

G-033470
Well 70-1
Well #1

G-040077
Well 73-2
Well #7

G-040078
Well 73-3
Well #8

G-040076
Well 73-1
Well #6
Emergency

Time of Travel

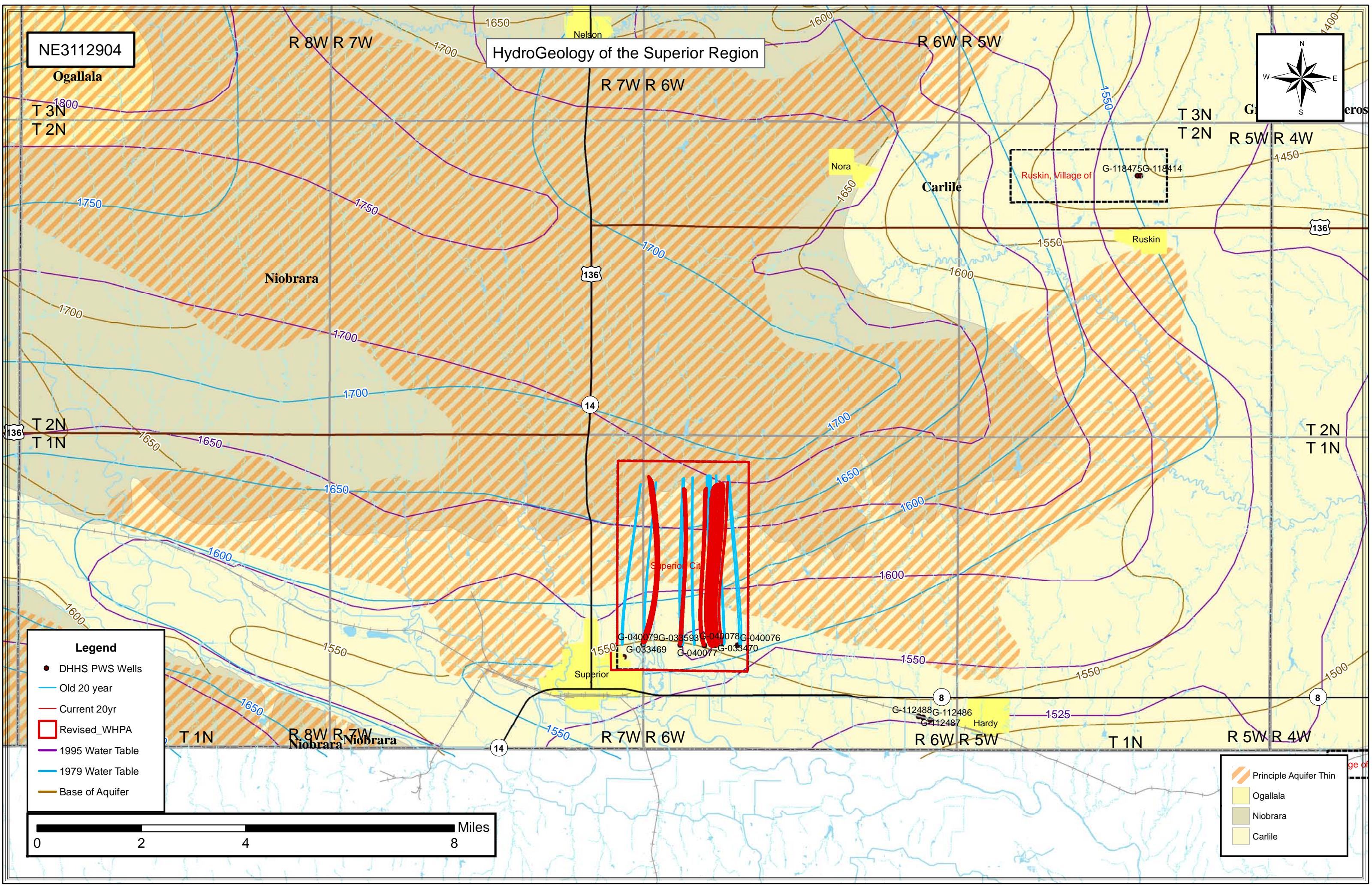
- 0-1 Year
- 1-2 Year
- 2-10 Year
- 10-20 Year

SUPERIOR

NUCKOLLS COUNTY

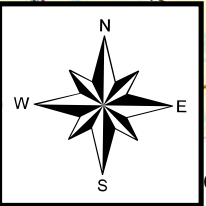
Drawn by Nebraska Department of
Environmental Quality, Wellhead
Protection Program, March 2014

JW



HydroGeology of the Superior Region

NE3112904



Legend

- DHHS PWS Wells
- Old 20 year
- Current 20yr
- Revised_WHPA
- 1995 Water Table
- 1979 Water Table
- Base of Aquifer

- Principle Aquifer Thin
- Ogallala
- Niobrara
- Carlile

