

# Bazile Groundwater Management Area (BGMA)

Located in parts of Antelope, Knox, and Pierce Counties, the Bazile Groundwater Management Area (BGMA) has been identified as an area of concern for groundwater nitrate levels since the 1980s.

Groundwater provides the main source of drinking water for over 7,000 residents in the area's 10 communities. High nitrate levels have created a challenge for area communities to provide water for residents under the EPA safe drinking water standard of 10 parts per million (ppm)

Current nitrate concentrations in the area are nearing or are over the safe drinking water standard. Levels over this standard have known human health hazards. Best management practices (BMPs) are a benefit to both crop producers and groundwater users. BMPs allow the producer to lower inputs through informed decision-making while keeping agricultural production economically productive.



**For more information  
Contact the BGMA Coordinator at  
402-371-7313 or your local NRD or  
NRCS office**

|  |   |              |
|--|---|--------------|
| Lewis & Clark NRD                              | <a href="https://lcnrd.nebraska.gov">https://lcnrd.nebraska.gov</a><br>402-254-6758 |              |
| Lower Elkhorn NRD                              | <a href="http://www.lenrd.org">http://www.lenrd.org</a><br>402-371-7313             |              |
| Lower Niobrara NRD                             | <a href="http://www.lnrd.org">http://www.lnrd.org</a><br>402-775-2343               |              |
| Upper Elkhorn NRD                              | <a href="http://www.uenrd.org">http://www.uenrd.org</a><br>402-336-3867             |              |
| Natural Resources Conservation Services (NRCS) | Antelope  | 402-887-4176 |
|  | Knox  | 402-373-4914 |
|  | Pierce  | 402-329-4996 |



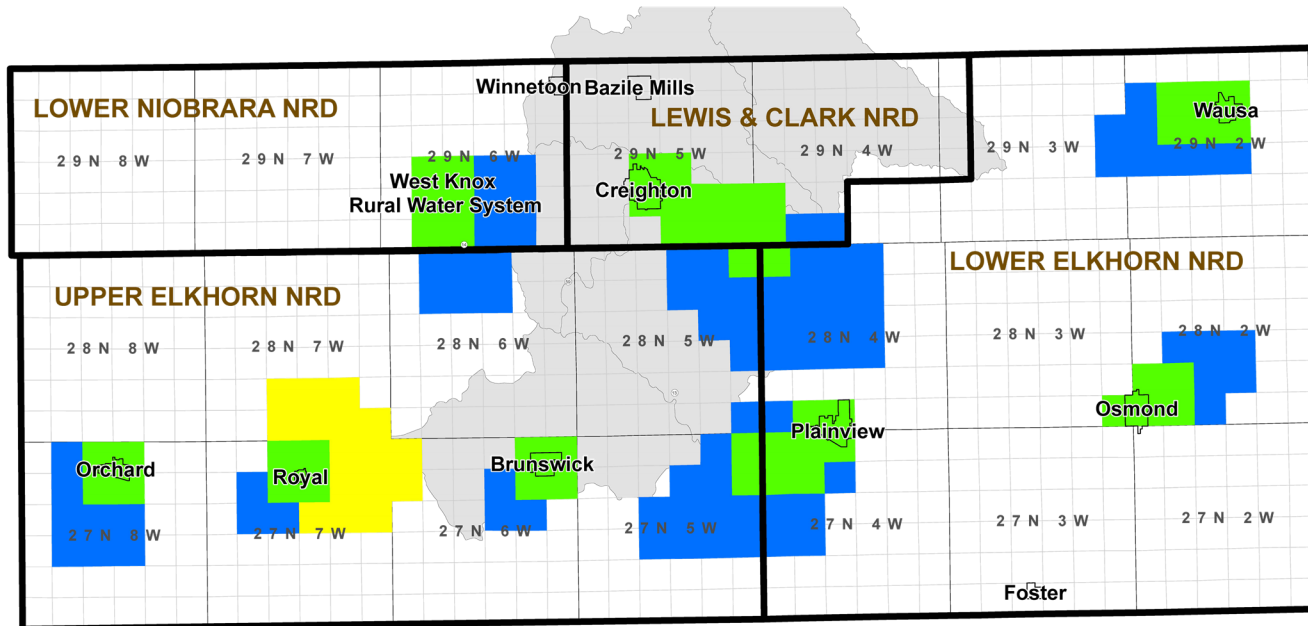
**Enhancing Water Quality  
through Informed  
Management Decisions.**

# Bazile Groundwater Management Area






## Best Management Practices Available for Cost Share in the BGMA

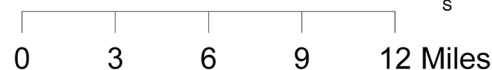
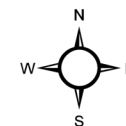
The Bazile Creek watershed has been listed as an impaired watershed due to high levels of nitrate in the groundwater and has qualified for special National Water Quality Initiative (NWQI) funding through the Natural Resources Conservation Service (NRCS). Through this NRCS program, producers can obtain funding for numerous BMPs such as cover crops, filter strips, and irrigation system updates. Producers in Tier 1 and 2 areas may be eligible for an extra incentive payment through the BGMA to implement BMPs.

## Bazile Groundwater Management Area



### Legend

-  NRD Bazile Area Boundaries
-  Tier 1 Costshare Available (20 year time of travel)
-  Tier 2 Costshare Available (50 year time of travel)
-  Tier 3 (East Branch Verdigre Creek)
-  NRCS National Water Quality Initiative Area



Programs cost share is available on include:

- Deep Soil Sampling
- Crop Tissue Analysis
- Nutrient Analysis
- Variable Rate Fertilizer Application
- Nitrification Inhibitors
- Soil Moisture Sensors
- Irrigation Water Nitrate Sampling
- Irrigation Scheduling
- Flowmeters
- Cover Crops
- No till/reduced tillage
- Well Decommissioning

This is not a complete list of available programs. Each agency may offer additional programs.

Additional cost share programs may be available through the NRDs and NRCS. Contact your local office for more information.