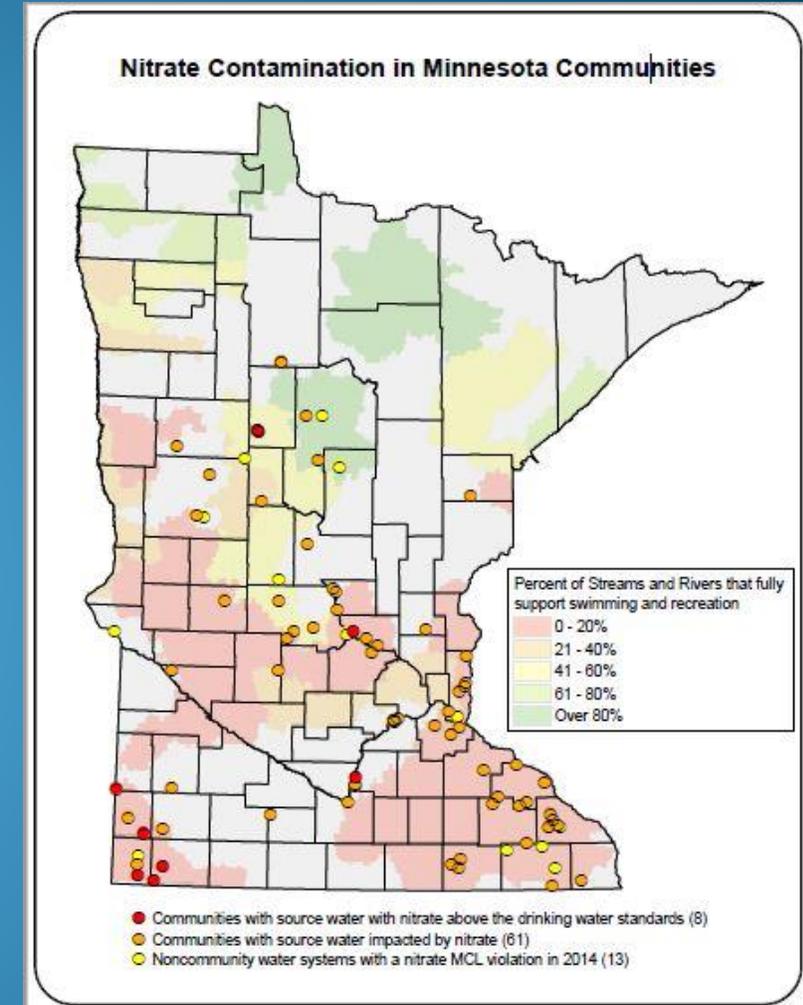


Developing Partnerships to Address Agricultural Issues & Elevated Nitrates in Southwest Minnesota

Presenter: Laura DeBeer

Why are we involved

- There is a nitrate resource concern.
 - Shallow Aquifers (30'-60') increase vulnerability
 - Increasing nitrate levels in several supply wells
- To work with Water Suppliers on Wellhead Protection Plans
- For access to grant funding requiring time, paperwork, and promotion



Minnesota Department of
Health

Who is involved in Wellhead Protection?

Resource Partners

- Minnesota Department of Health (MDH)
- Minnesota Department of Agriculture (MDA)
- Minnesota Pollution Control Agency (MPCA)
- Minnesota Rural Water Association (MRWA)
- Soil and Water Conservation Districts (SWCD)
- Watershed Districts (WD)

Who is involved in Wellhead Protection?

Local Partners

- Conservation partners such as Sportsman's Clubs
- Counties
- Municipalities
- Water Suppliers
- Corn and Soybean Growers
- Agronomists
- Conservation Producers
- Businesses and Industries

Partnerships

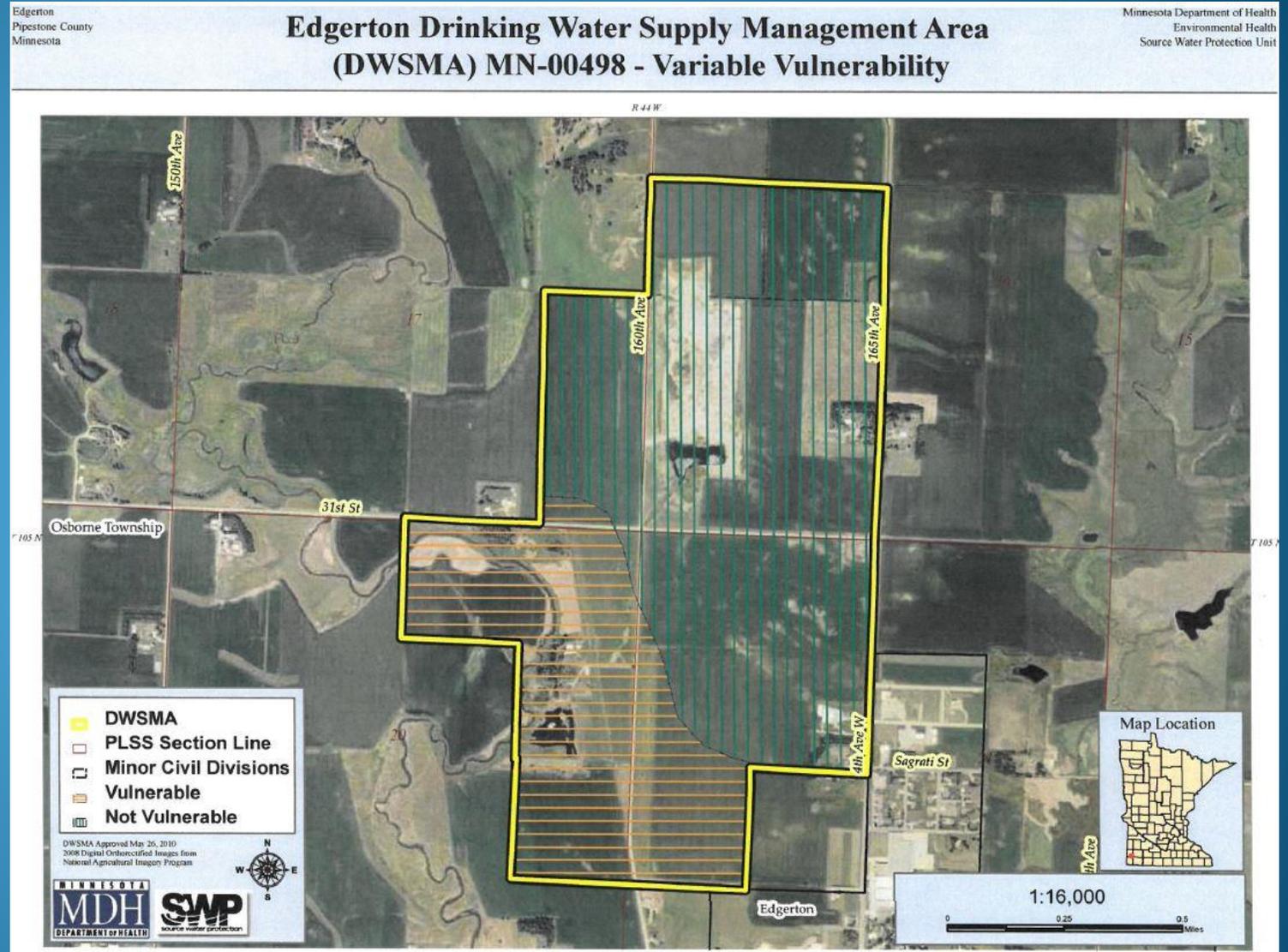
Funding sources and agreements

- Minnesota Department of Health grant
- Soil and Water Conservation Districts (SWCD's)
 - Capacity \$\$ through SWCD
 - Additional SWCD Agreements
- Water Suppliers
- Source Wate

Where are we involved?

Drinking Water Supply Management Area

655 acres or just over 1 square mile



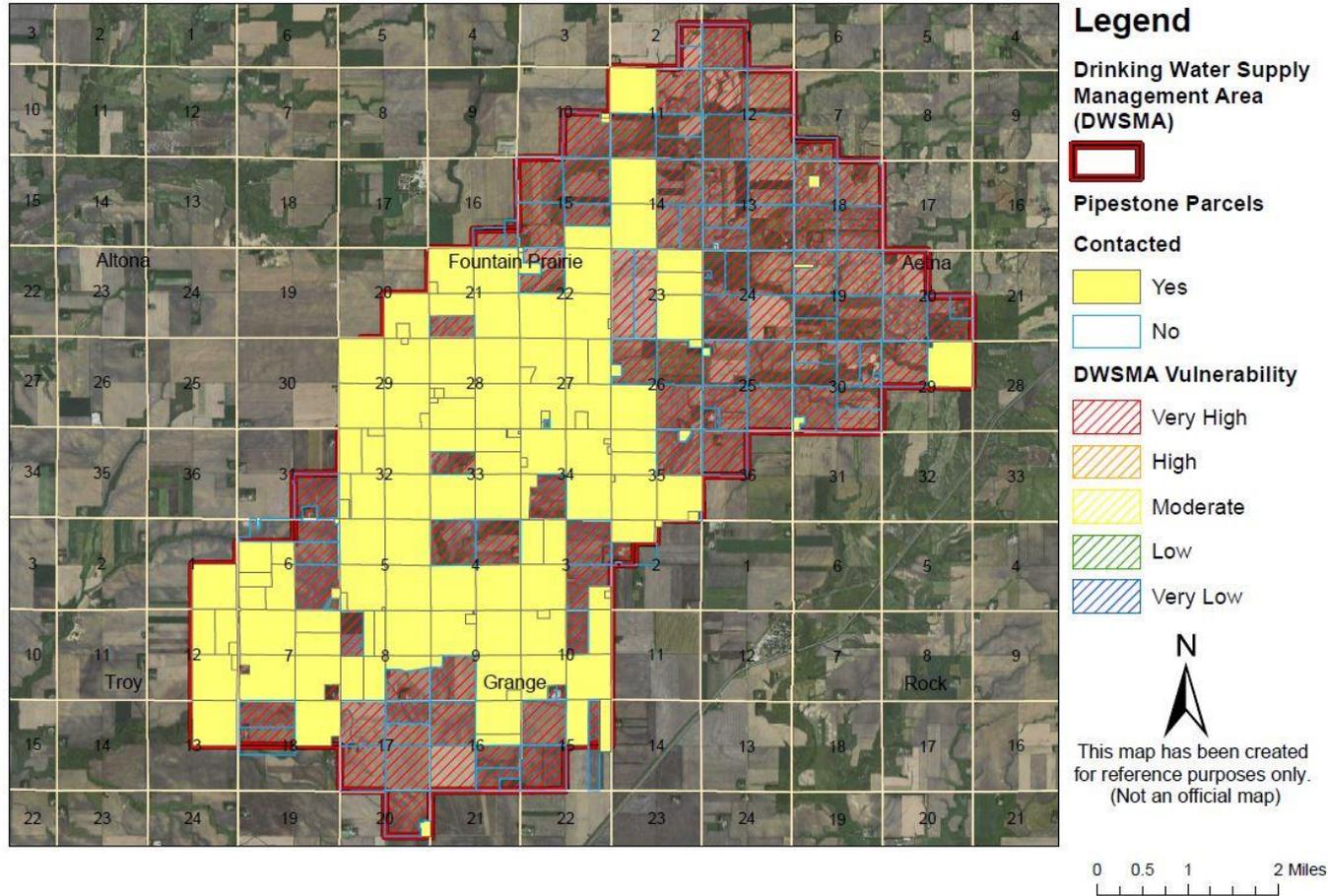
What am I doing?

- **Conducting voluntary interviews of producers in Drinking Water Supply Management Areas (DWSMA)**
 - **Discuss current practices**
 - **Discuss future interest**
 - **Provide information**

What am I doing?

Lincoln-Pipestone Rural Water - Holland
Drinking Water Supply Management Area

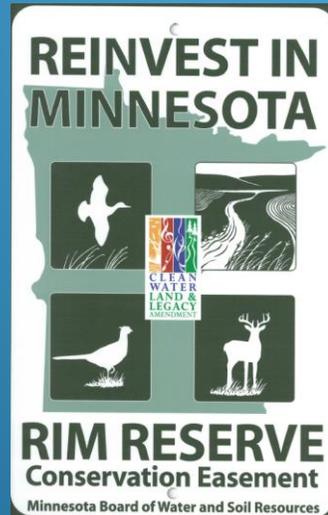
Pipestone County MN



Highlighted areas are agricultural producer contacts

What am I doing?

- Promoting programs



Current Programs

- **Southwest Minnesota Wellhead Protection Project**
 - Minnesota Department of Agriculture grant funded for 2017 crop year
 - Incentives for increasing nitrogen management on highly vulnerable wellhead working lands
- **Source Water Protection Grants from MDH**
 - Rock County Rural Water received grant for nitrogen efficiency practices

What am I doing?

- Promoting
 - Best Management Practices for Nitrogen
 - 4R's, Right Source, Right Rate, Right Time and Right Place
 - Alternative Management Tools
 - When BMP's are not enough



What am I doing?

- **Seeking grant or other funding**
 - Federal, state, and local funds
 - Creative with partnerships
- **Informational meetings, workshops, field days**
- **Agronomist discussion –create awareness and understanding**
- **Writing Newsletters utilized by Water Suppliers**

Presenter Information

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