

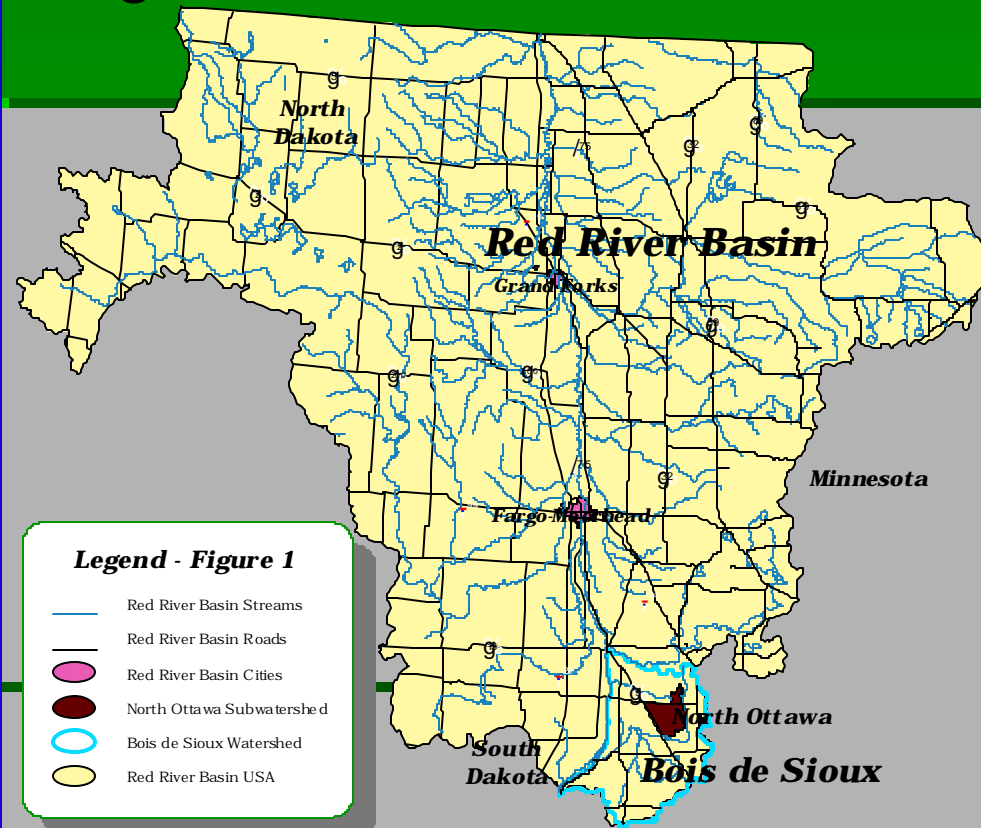
**Working towards
Resolution to Water
Quality Impacts in the
Red River Basin**

**Jon Roeschlein, Administrator
Bois de Sioux Watershed District**







- What measures are the agricultural societies implementing to mitigate the negative impacts on water **quality**, at local, subwatershed and basin-wide scales?
- What conservation measures are being used to impact water **quantity** in the basin?

Location Map

Figure 1



Legend - Figure 1

-  Red River Basin Streams
-  Red River Basin Roads
-  Red River Basin Cities
-  North Ottawa Subwatershed
-  Bois de Sioux Watershed
-  Red River Basin USA

60 0 60 120 Miles

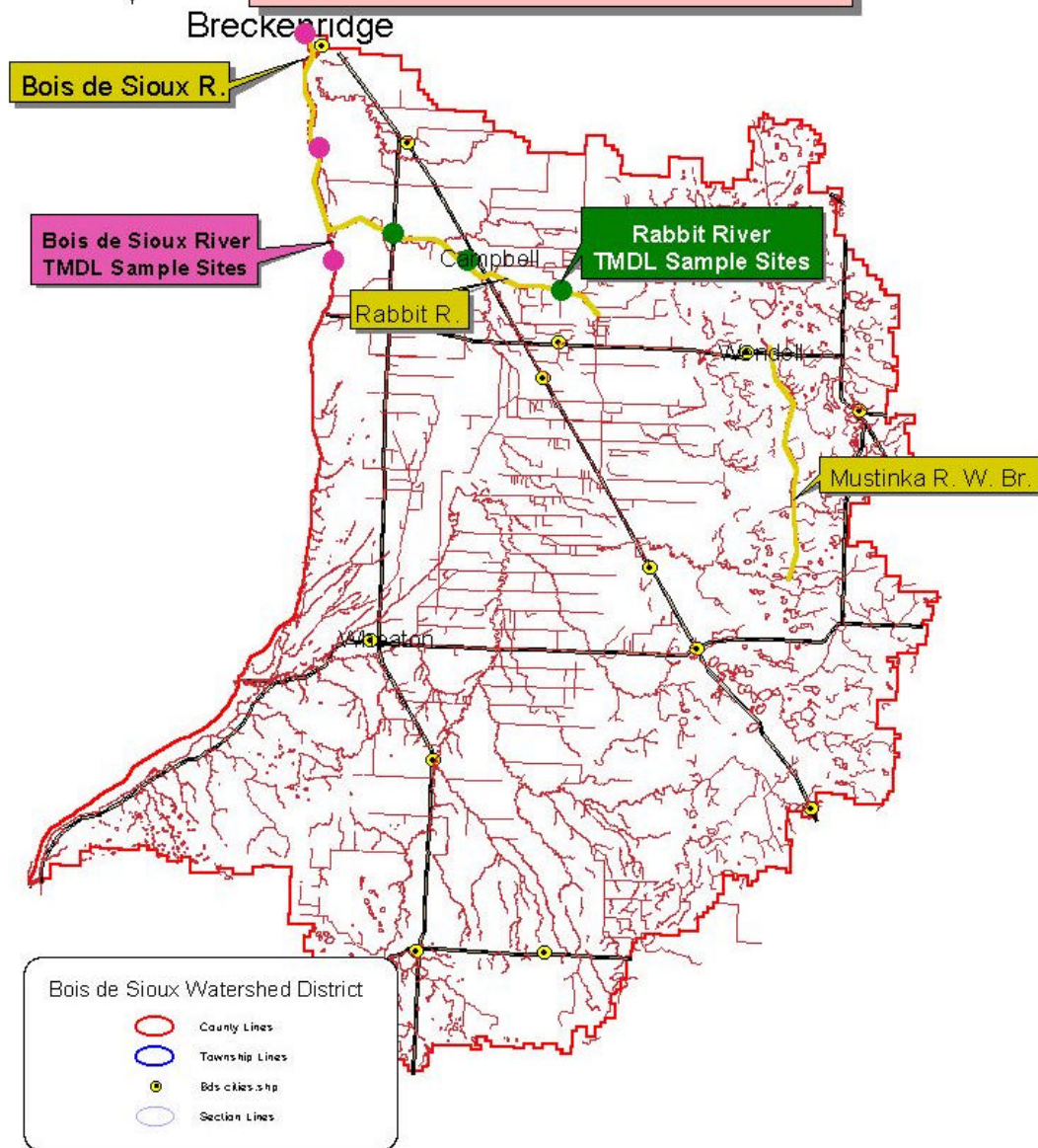
- Not Much Water Quality Data available in subwatershed levels of the basin

- Monitoring programs are being implemented to establish some sort of baseline and to set standards/goals.

- States are required to establish TMDL Limits on their public waters, starting with those bodies of water that are on the impaired list.



MPCA Impaired Waters Bois de Sioux Watershed



- CRP – Conservation Reserve Program
 - Large % increase in buffers over past 5 years
 - Improves water Quality
 - Side benefits include increase in wildlife habitat, increased infiltration, decreased erosion.

Buffer strips



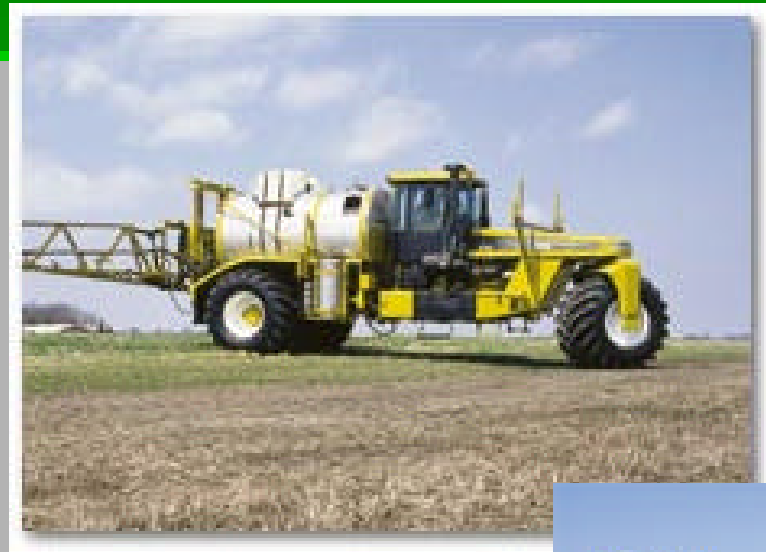
Windbreaks



Shoreline Stabalization



Nutrient Management



Conservation Tillage



Multi-purpose Projects!

North Ottawa Impoundment Project

Location Map
Figure 2

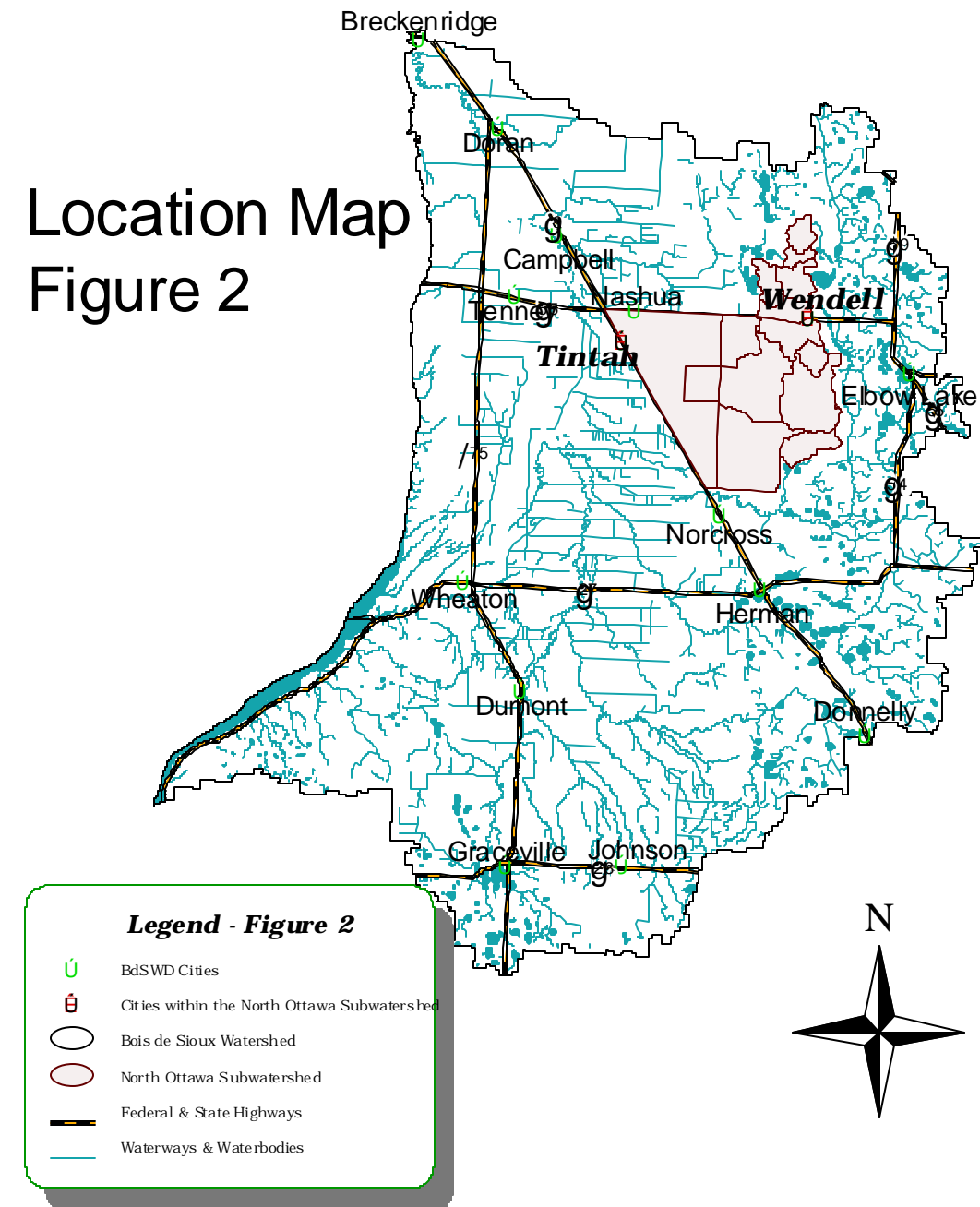


Figure 7

