



New Water Planning Strategies: Sensitive Areas Management Plan

Benton Soil & Water Conservation District

Why did we create the SAMP?

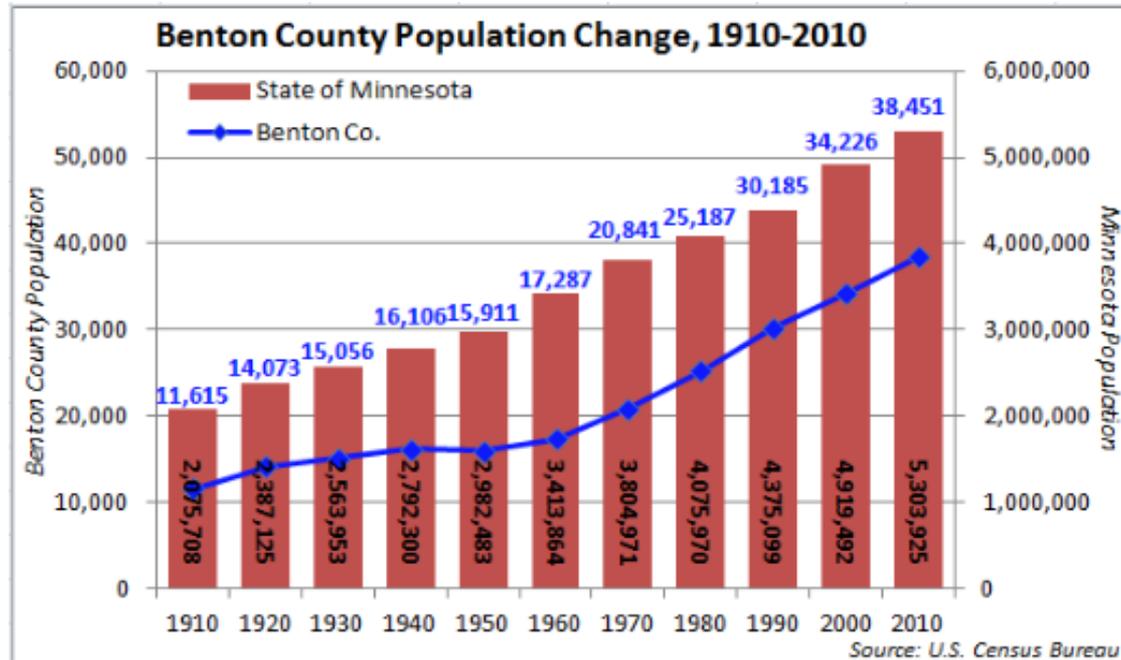


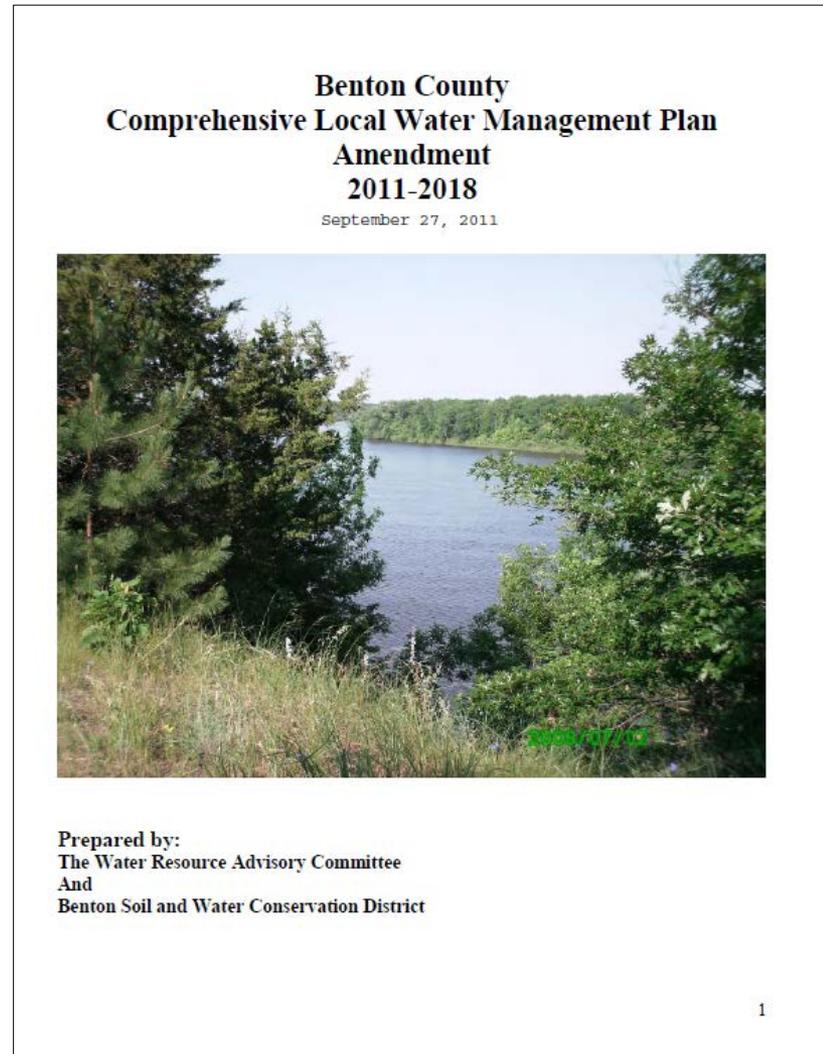
Table 1 - Benton County Population Growth

Year	Population	Raw Change	Percent Growth
1950	15,911	N/A	-1.2%
1960	17,287	1,376	8.6%
1970	20,841	3,554	20.6%
1980	25,187	4,346	20.9%
1990	30,185	4,998	19.8%
2000	34,226	4,041	13.45%
2010	38,451	4,225	12.3%

Source: Minnesota State Demographers Office

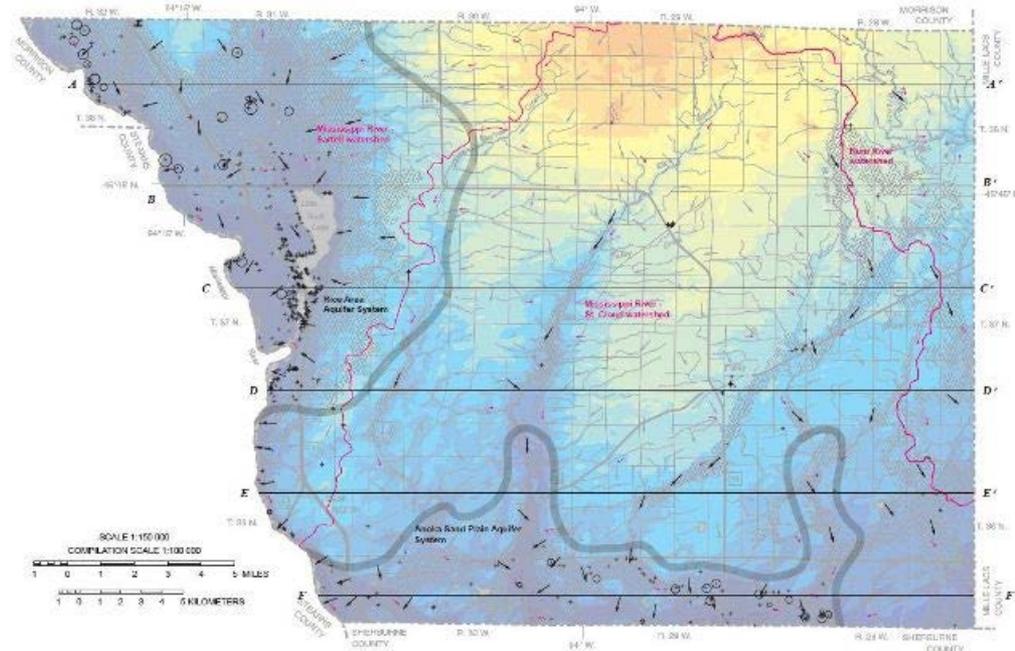
Why did we create the SAMP?

- ▶ **Benton County Comprehensive Local Water Management Plan (“Water Plan”) 2008-2018**
- ▶ Development one of three priority concerns



Why did we create the SAMP?

- ▶ Development Goal I: Balance open space & development
 - ▶ Objective I: Develop a natural resources inventory
 - ▶ A) County Hydrogeologic Atlas
 - Critical water resource areas
 - LGU informational meeting



Why did we create the SAMP?

- ▶ Input from Water Resources Advisory Committee (WRAC)



What should the SAMP accomplish?

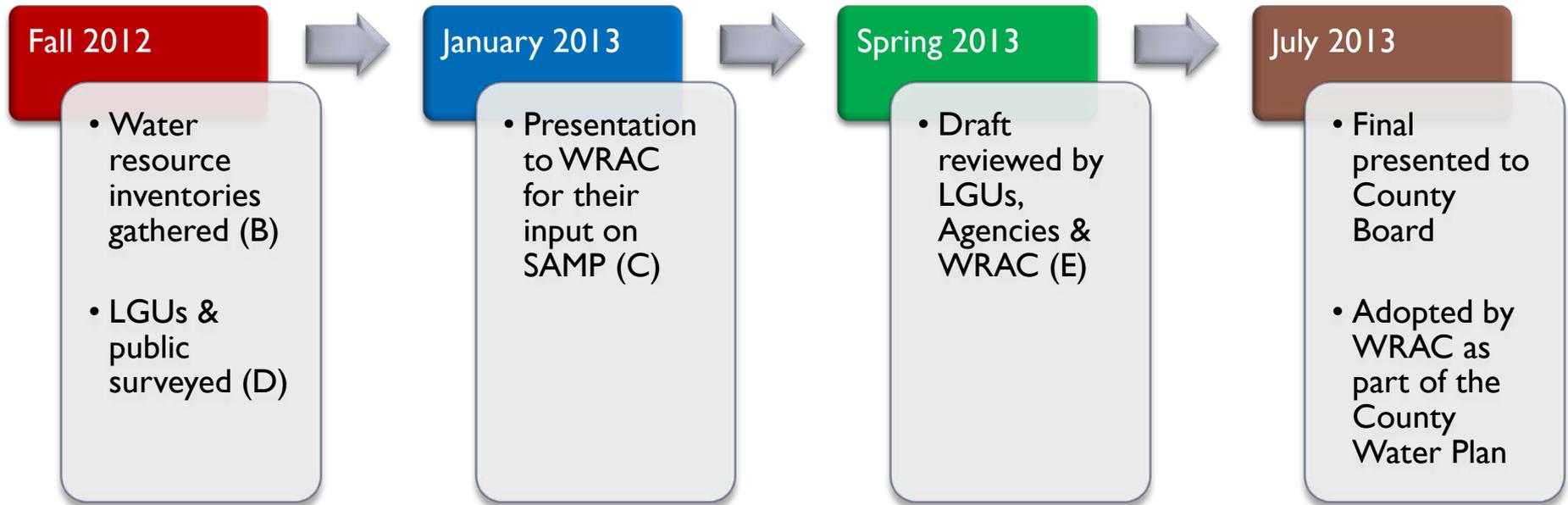
- ▶ Identify water protection, conservation, & enhancement areas
- ▶ Address conflicts in use
- ▶ Protect areas through development tools



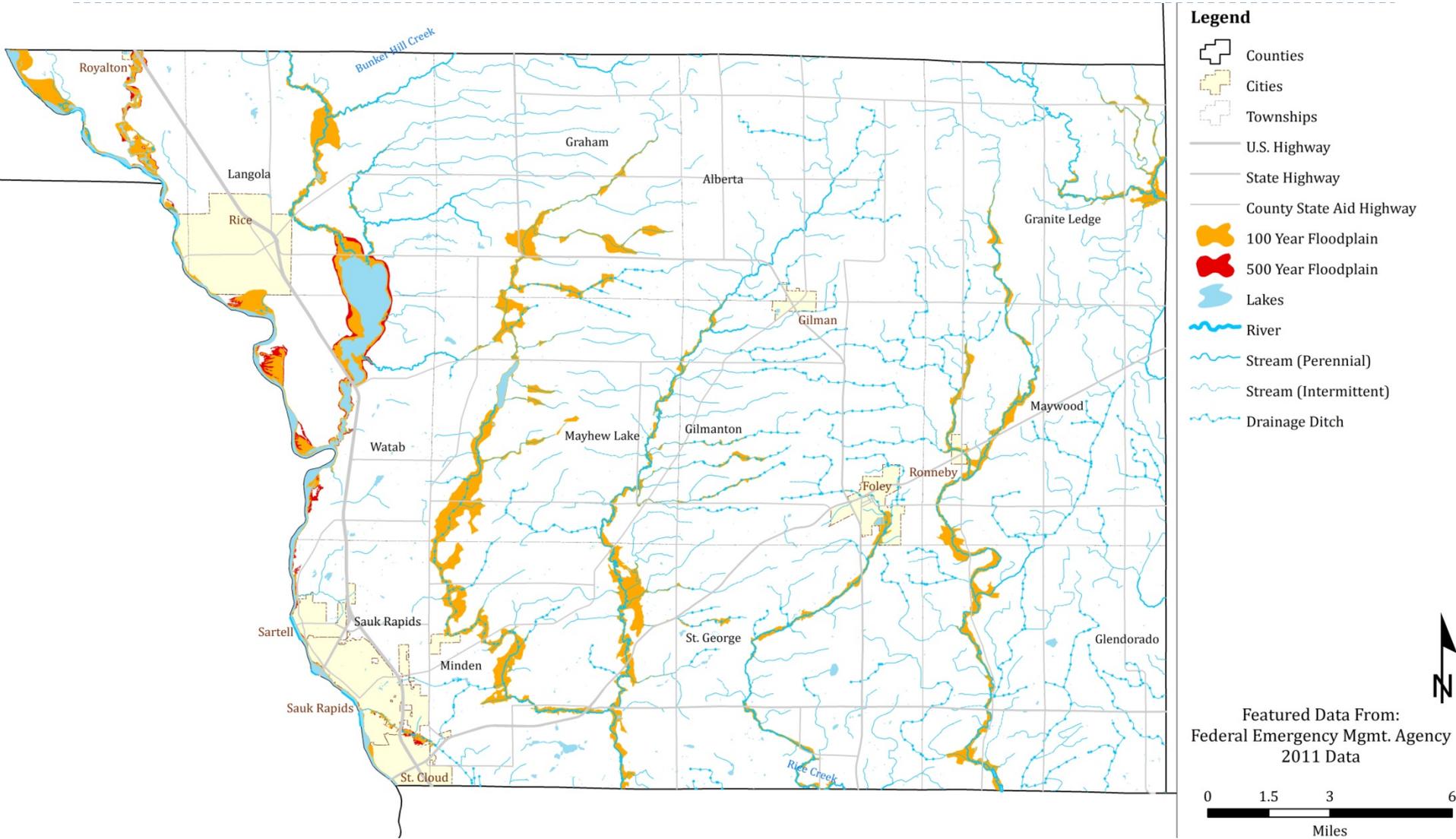
Vs.



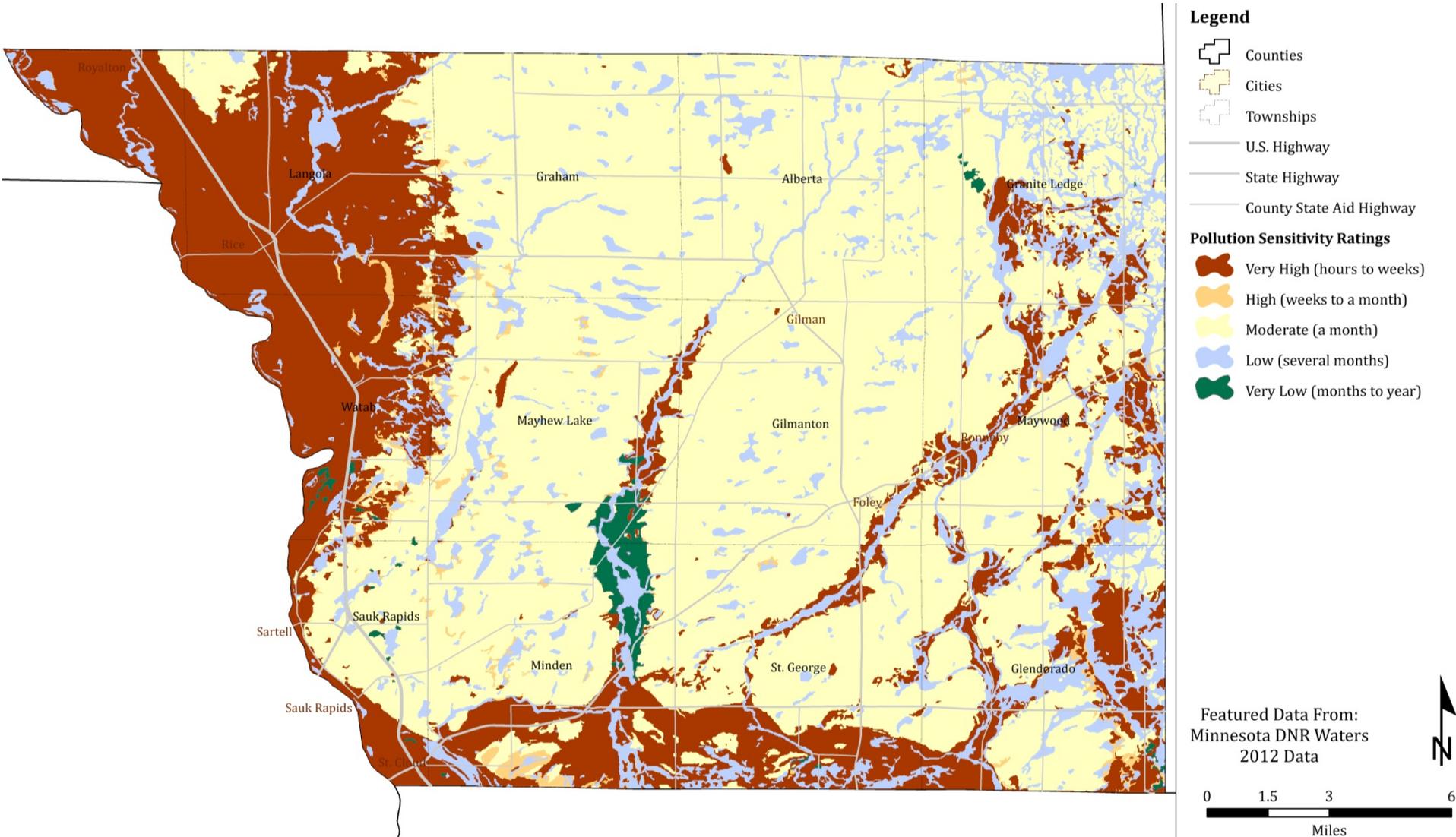
How was the SAMP developed?

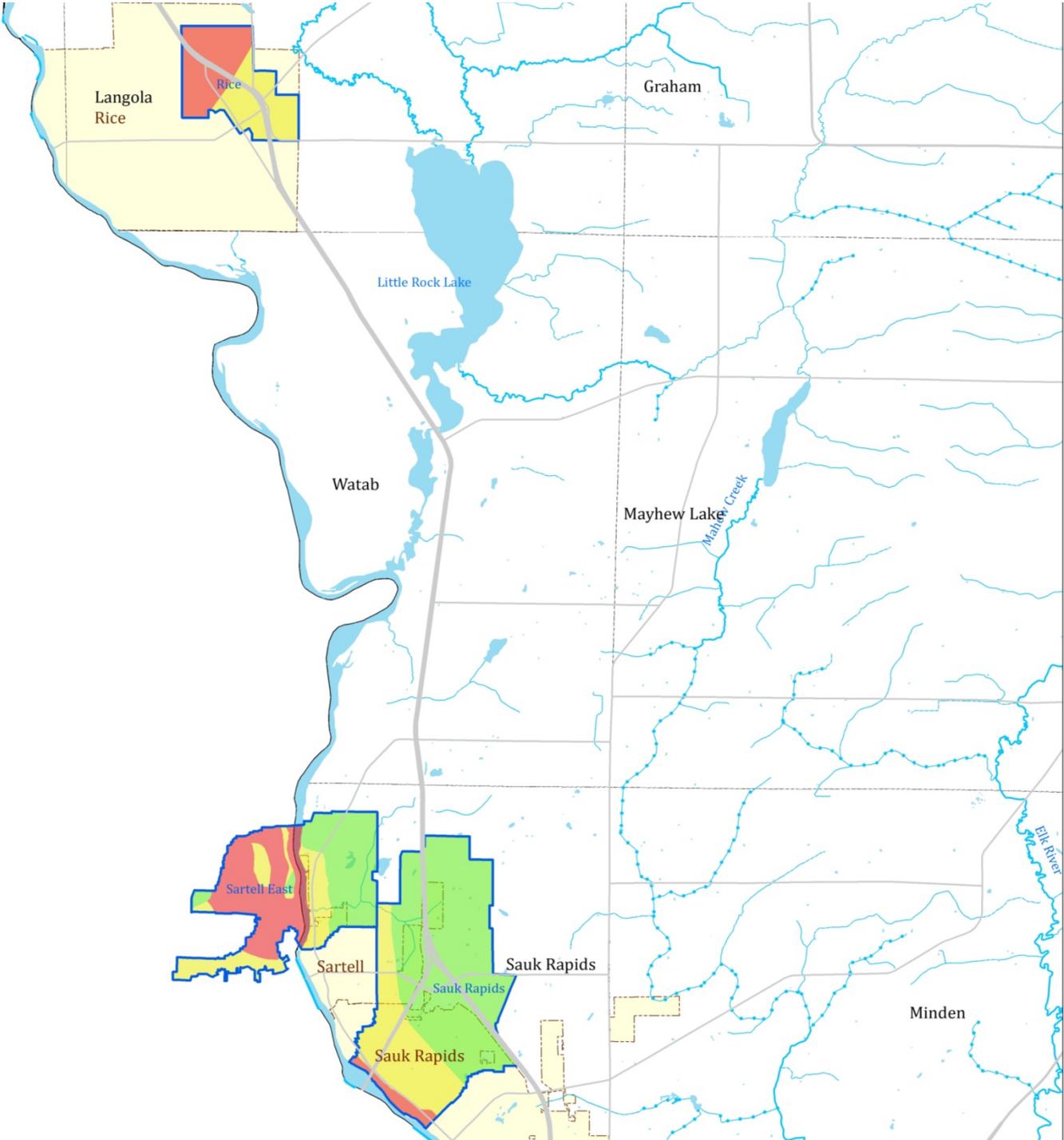


FEMA Flood Hazard



Pollution Sensitivity





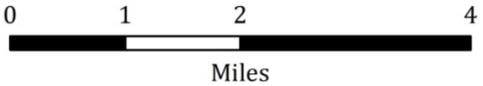
Legend

-  Counties
-  Cities
-  Townships
-  U.S. Highway
-  State Highway
-  County State Aid Highway
-  Lakes
-  River
-  Stream (Perennial)
-  Stream (Intermittent)
-  Drainage Ditch
-  DWSMAs

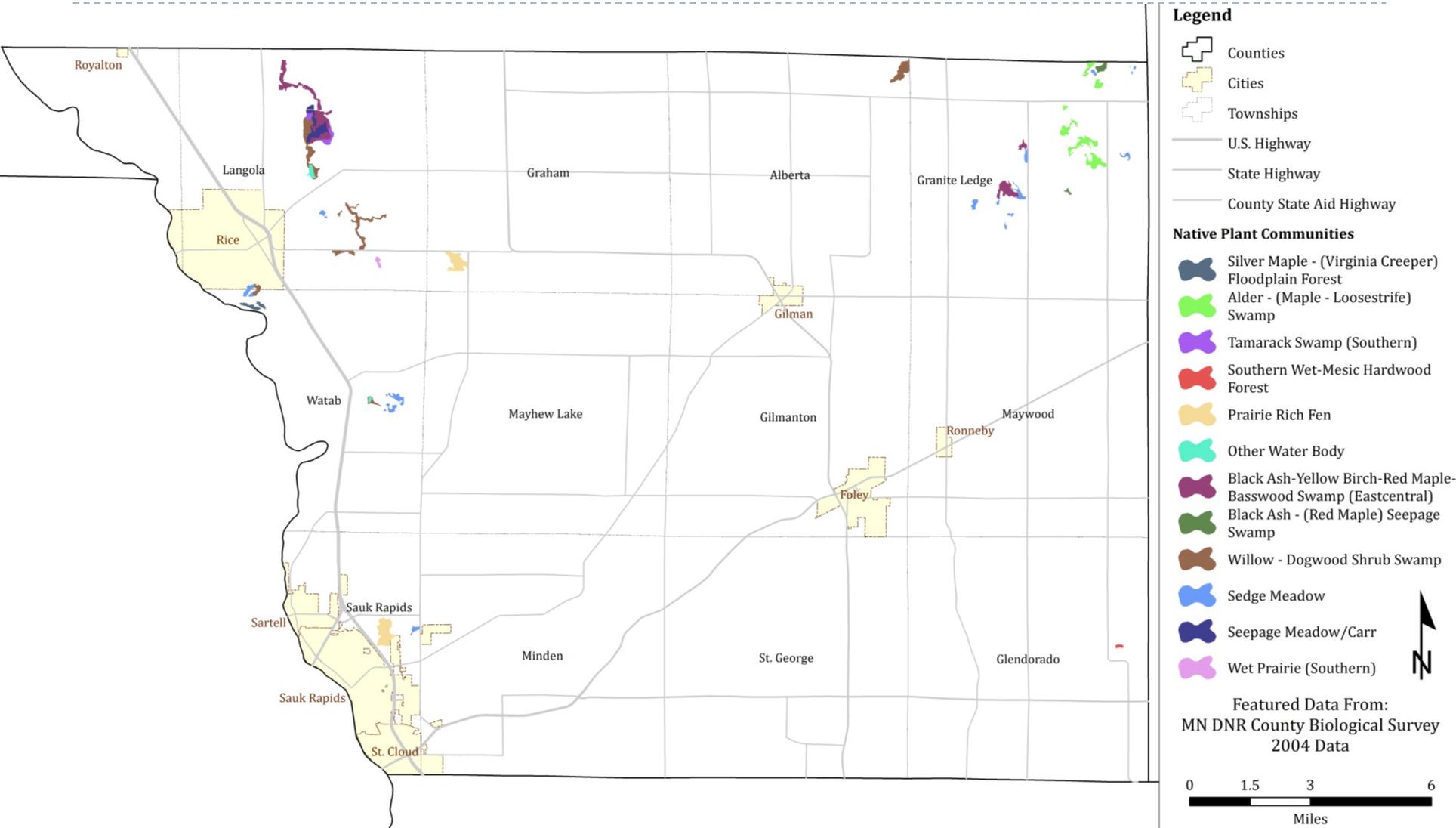
DWSMA Vulnerability

-  High
-  Moderate
-  Low

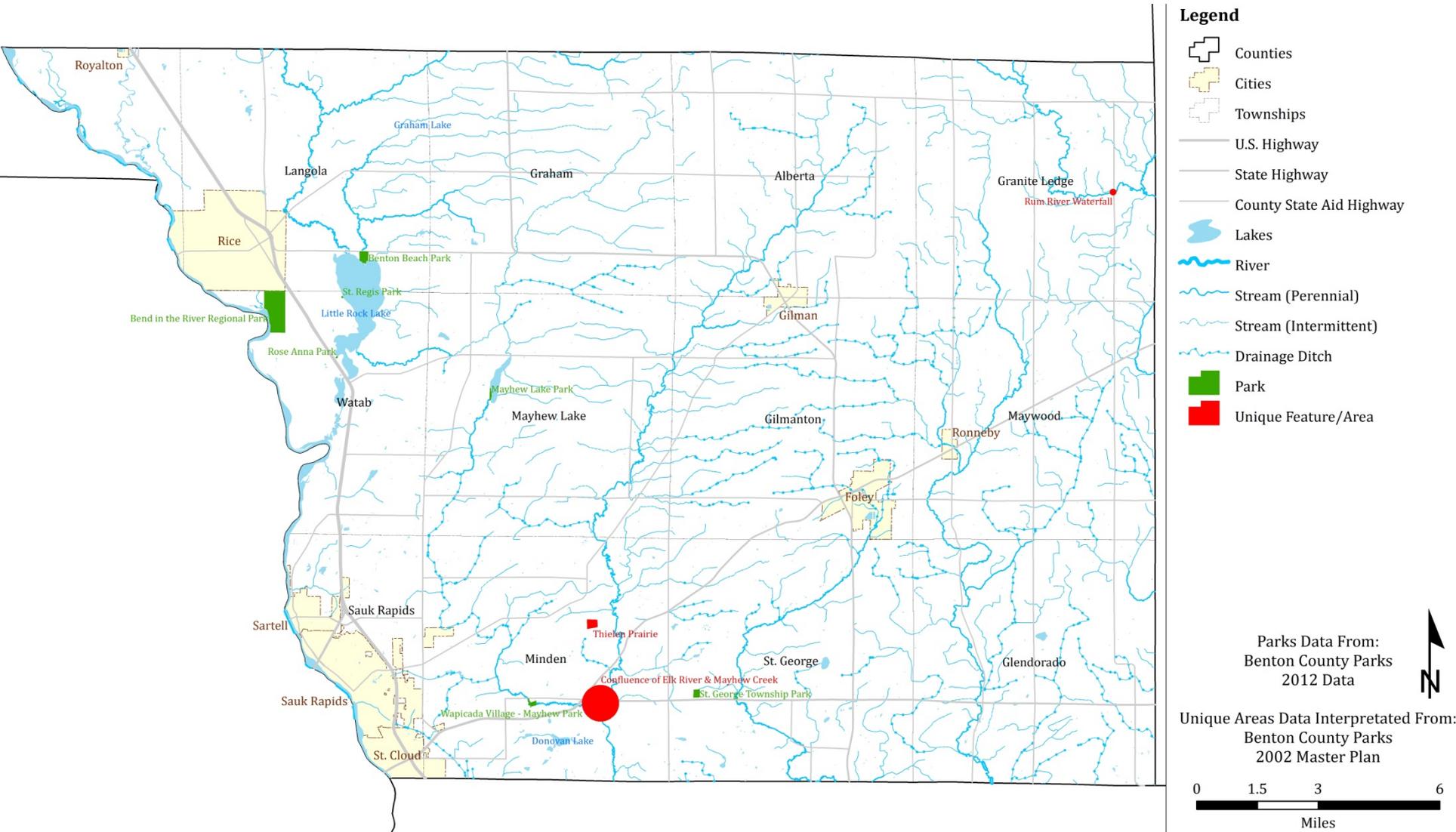
Featured Data From:
Minnesota Dept. of Health
2013 Data



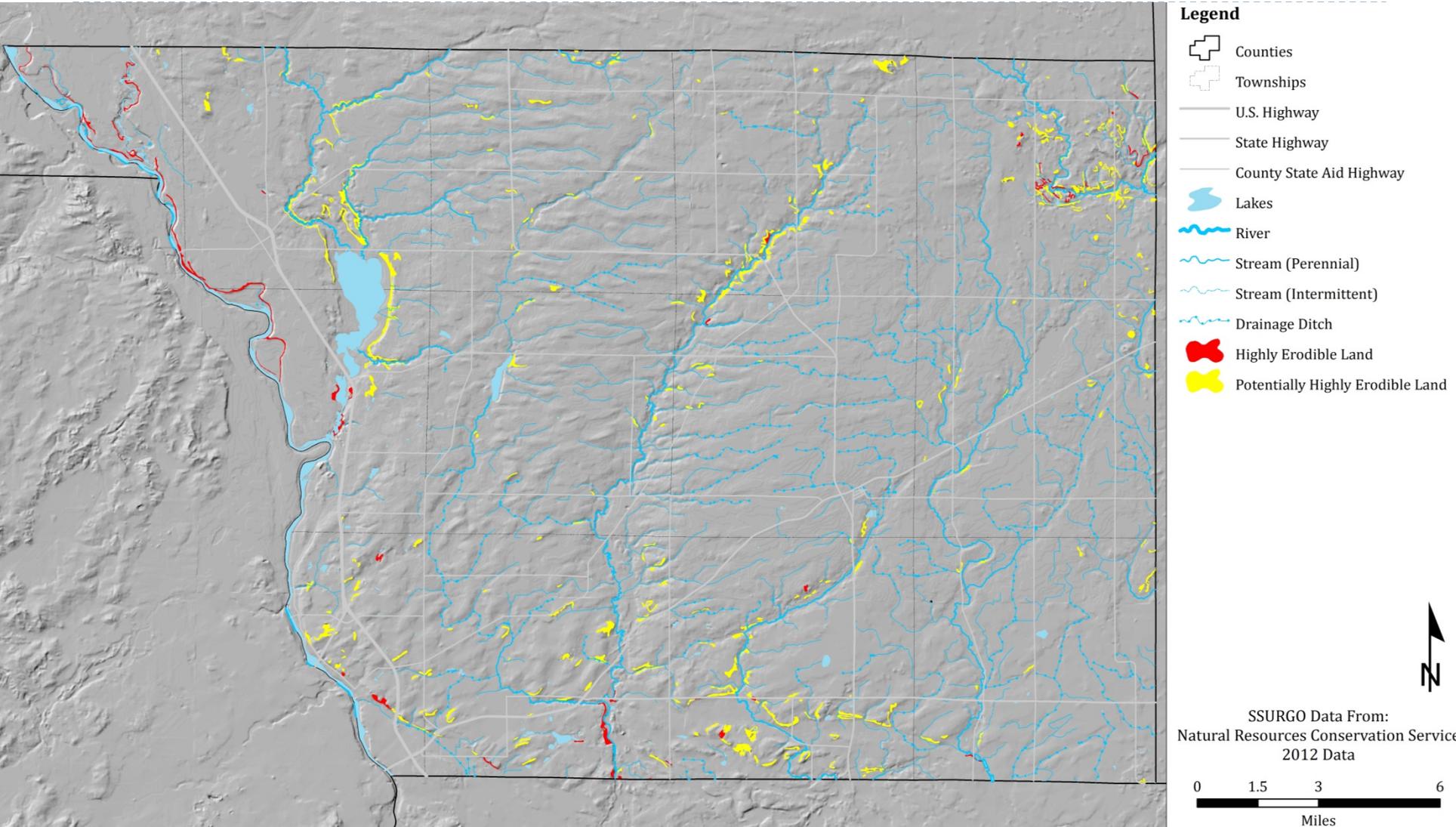
Native Plant Communities



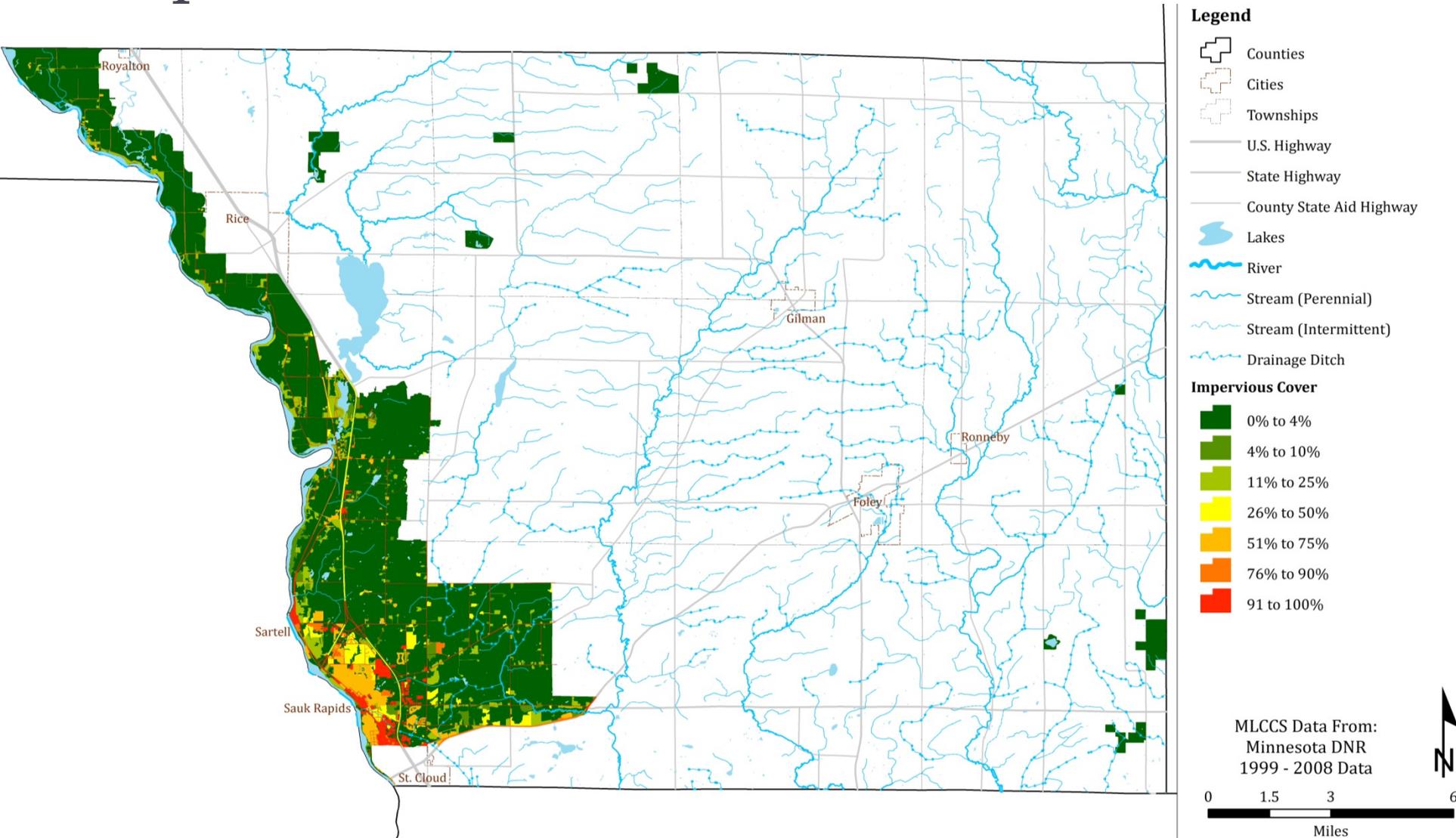
Parks/Unique Features



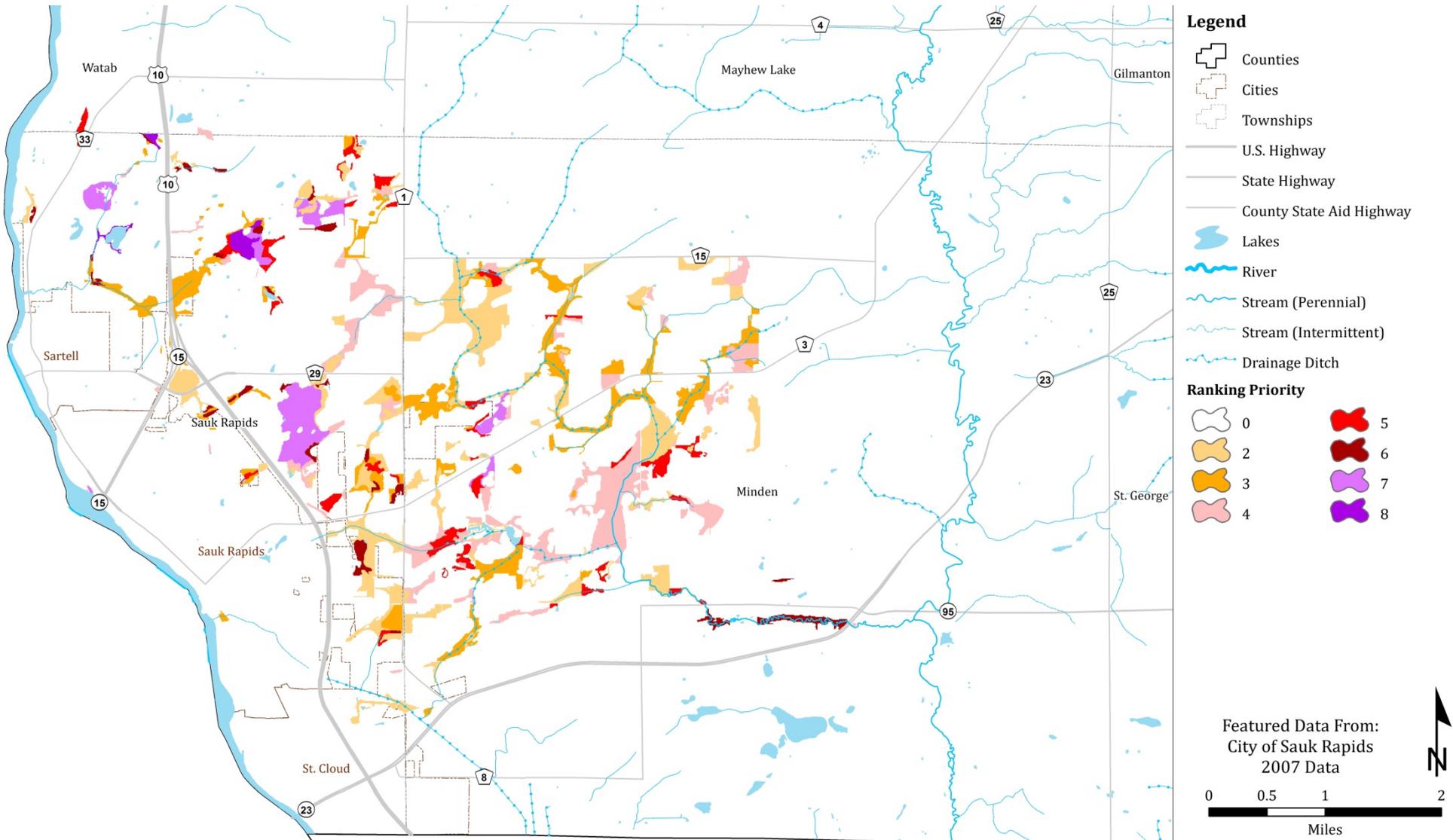
HEL/PHEL



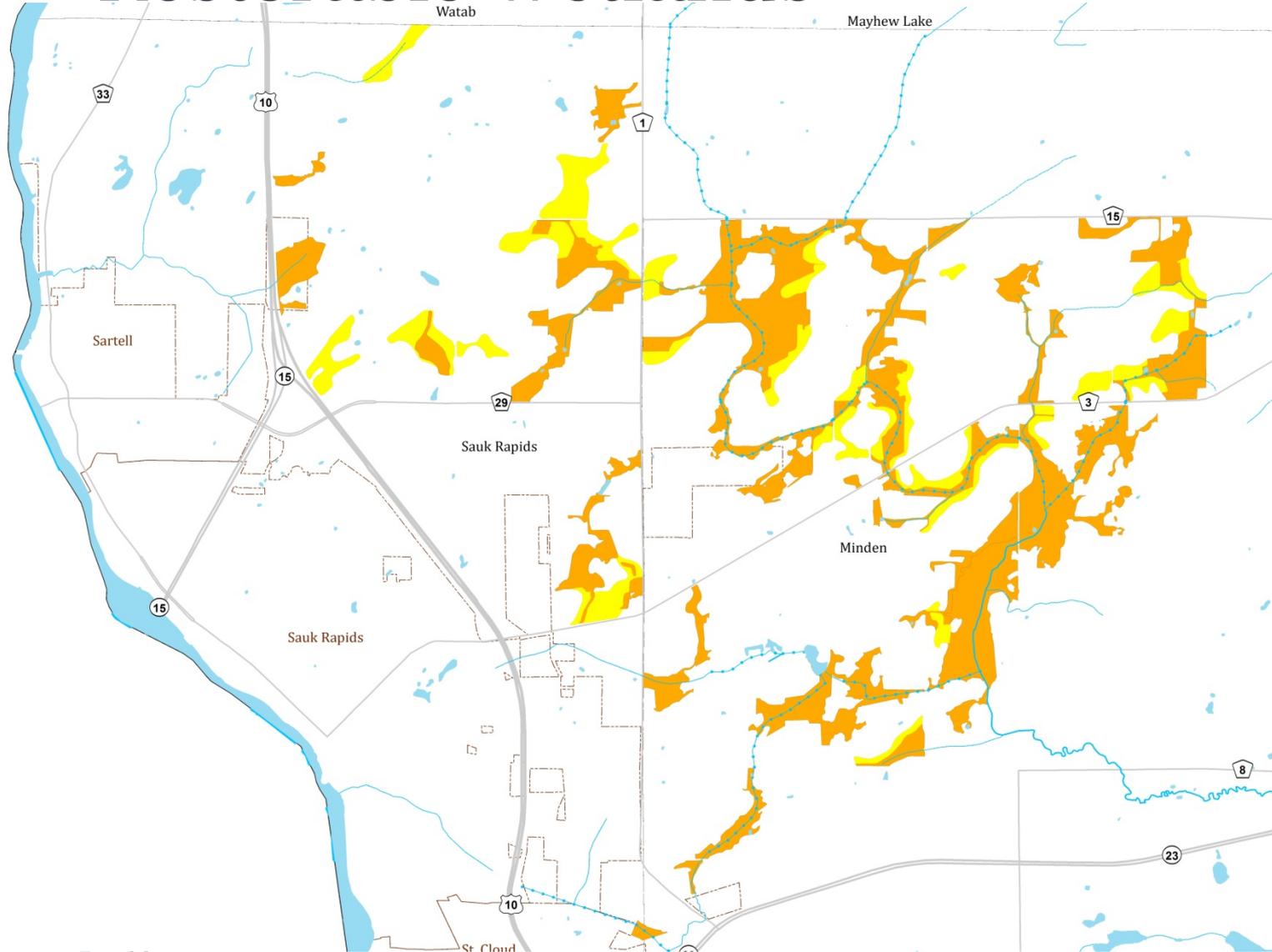
Impervious Cover



NRI Wetlands



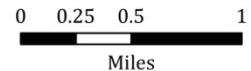
Restorable Wetlands



Legend

- Counties
- Cities
- Townships
- U.S. Highway
- State Highway
- County State Aid Highway
- Lakes
- River
- Stream (Perennial)
- Stream (Intermittent)
- Drainage Ditch
- Wetlands**
 - Restoration/Mitigation
 - MnRAM Identified Restorable

Featured Data From:
City of Sauk Rapids
2011 Data



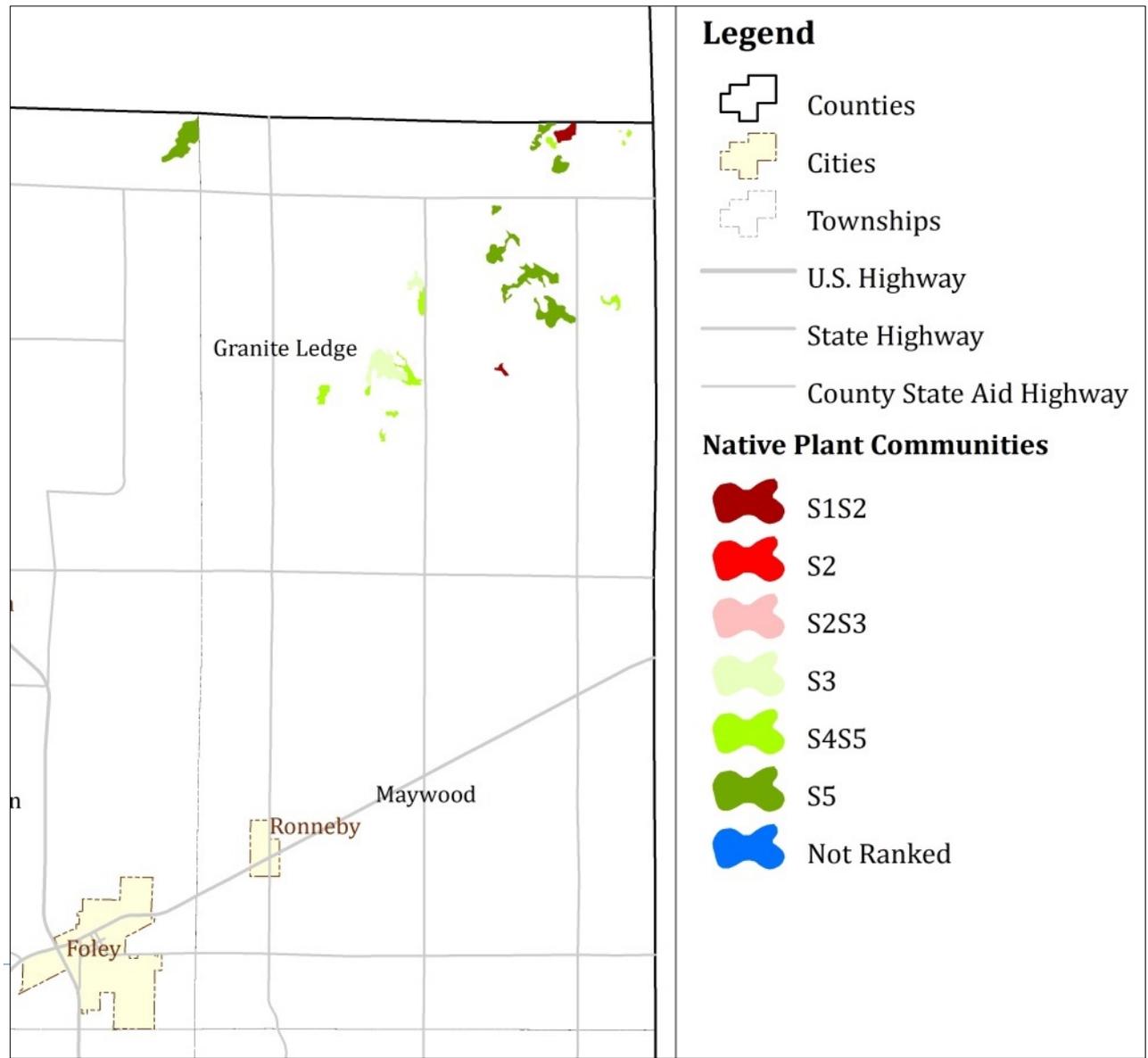
Critical Water Resources Inventory

- ▶ Surface Water
- ▶ Groundwater
- ▶ Drinking Water
- ▶ Habitat (Wet)
- ▶ Protection
- ▶ Concern Areas
- ▶ Sauk Rapids

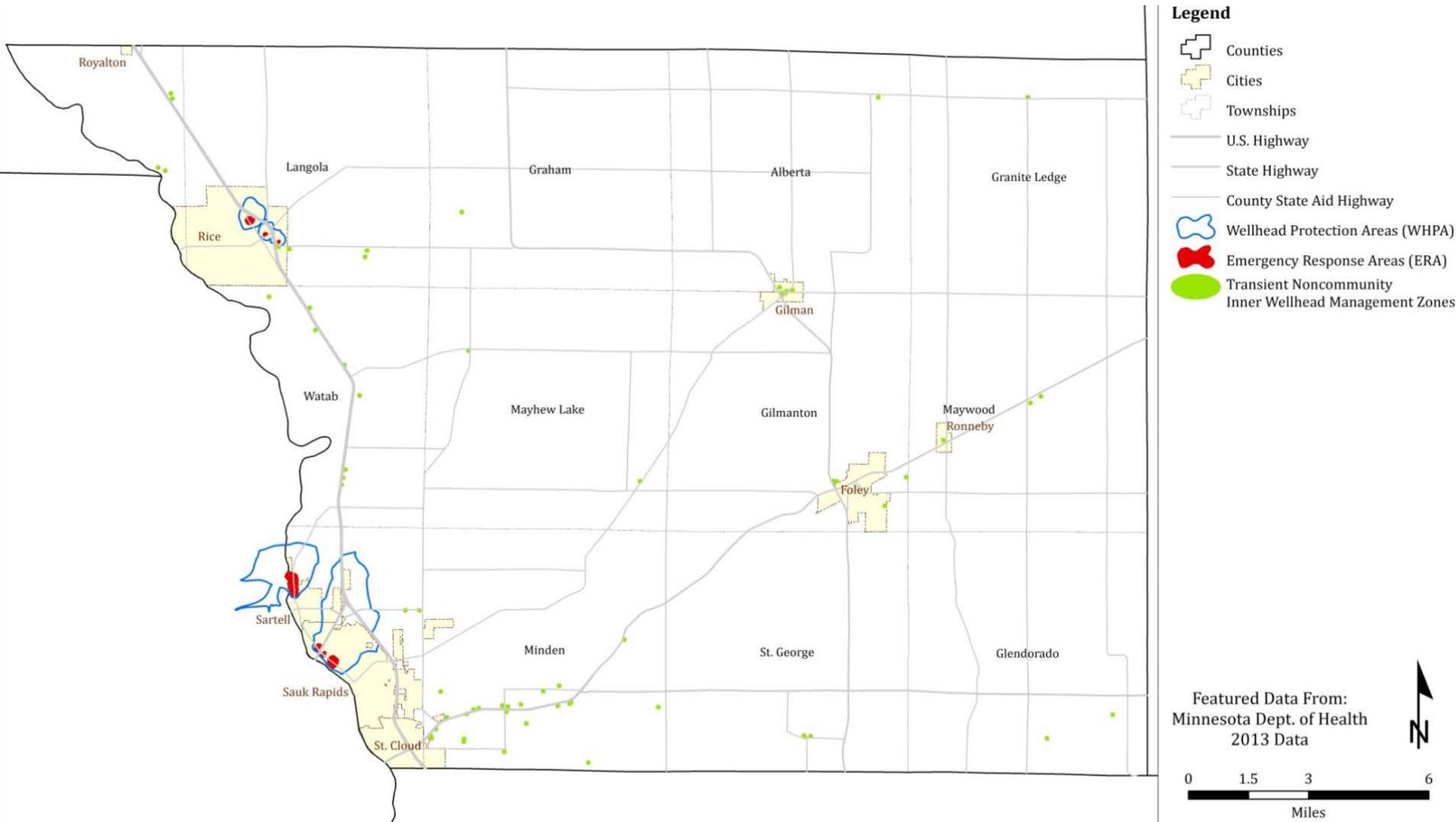
Sensitive Areas Composite Map

▶ Construction

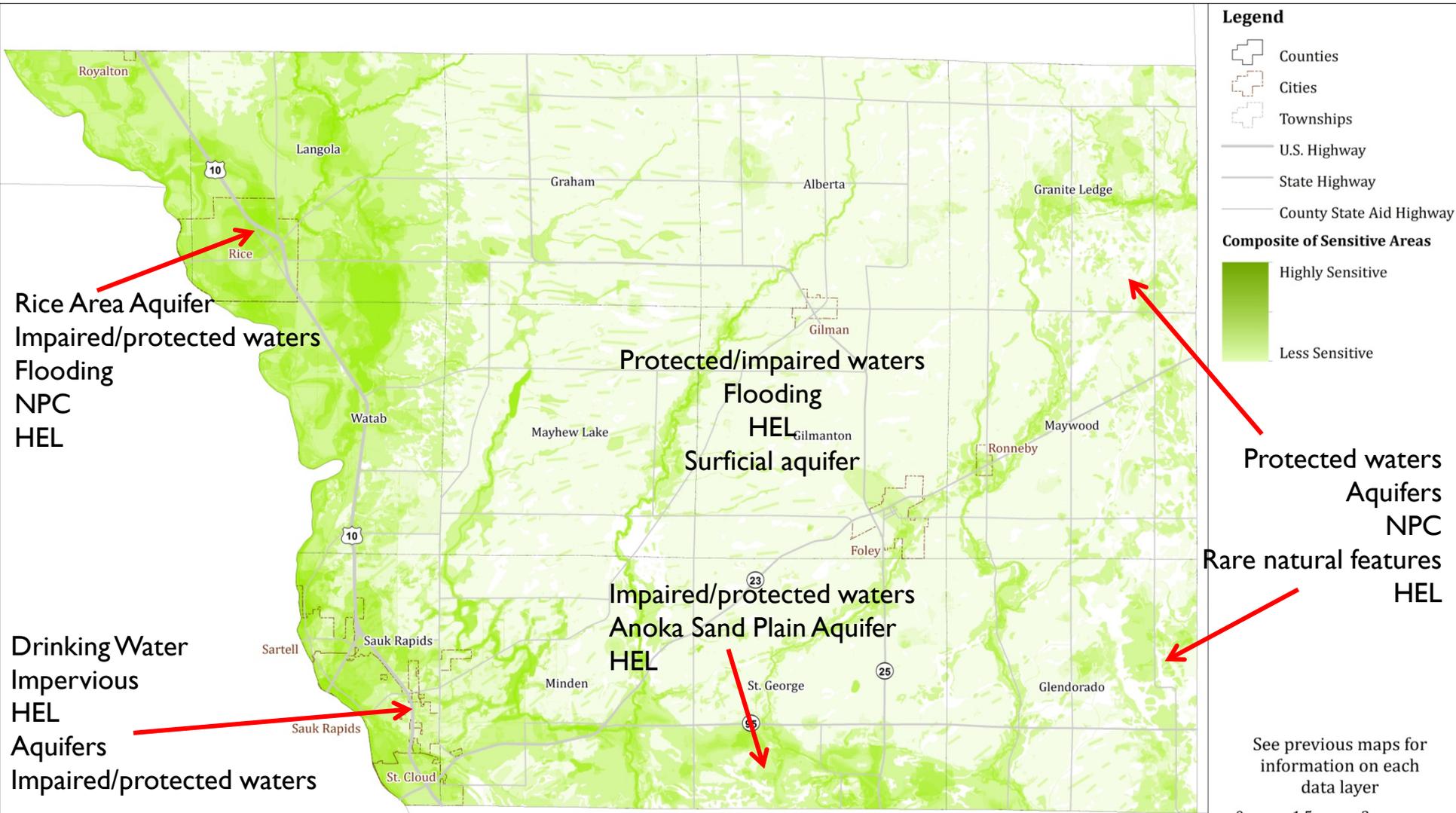
▶ Prioritization



Sensitive Areas Composite Map

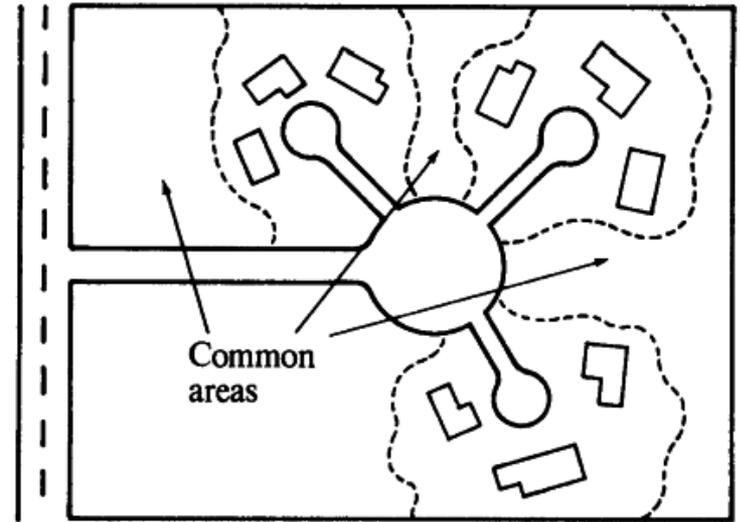


Sensitive Areas Composite Map



Implementation

- ▶ **Development Guidance Tools**
 - ▶ In place (used by DOD)
 - ▶ Future consideration
- ▶ **BMPs**
- ▶ **Programs**

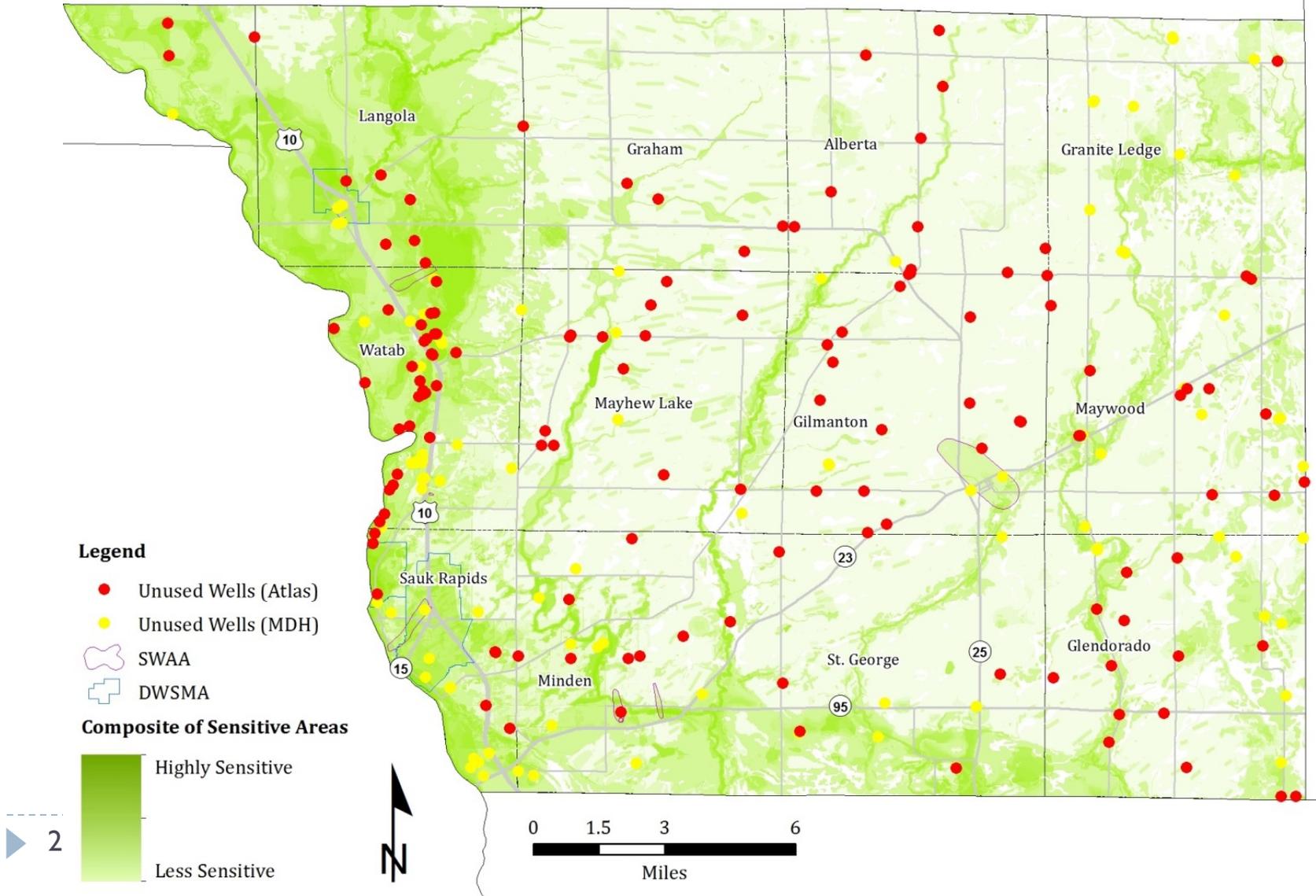


Next steps...

- ▶ **Action Items**
 - ▶ LGUs to update & maintain
 - ▶ Develop tools for use
 - ▶ Host discussion between LGUs

Example

Potential Unused Well Locations



Questions?

