

Figure 39: Implementation Priority: AIS

Watersheds with AIS	US Highways
Major Watersheds	State Highways
Lakes	County Roads
Mississippi River	

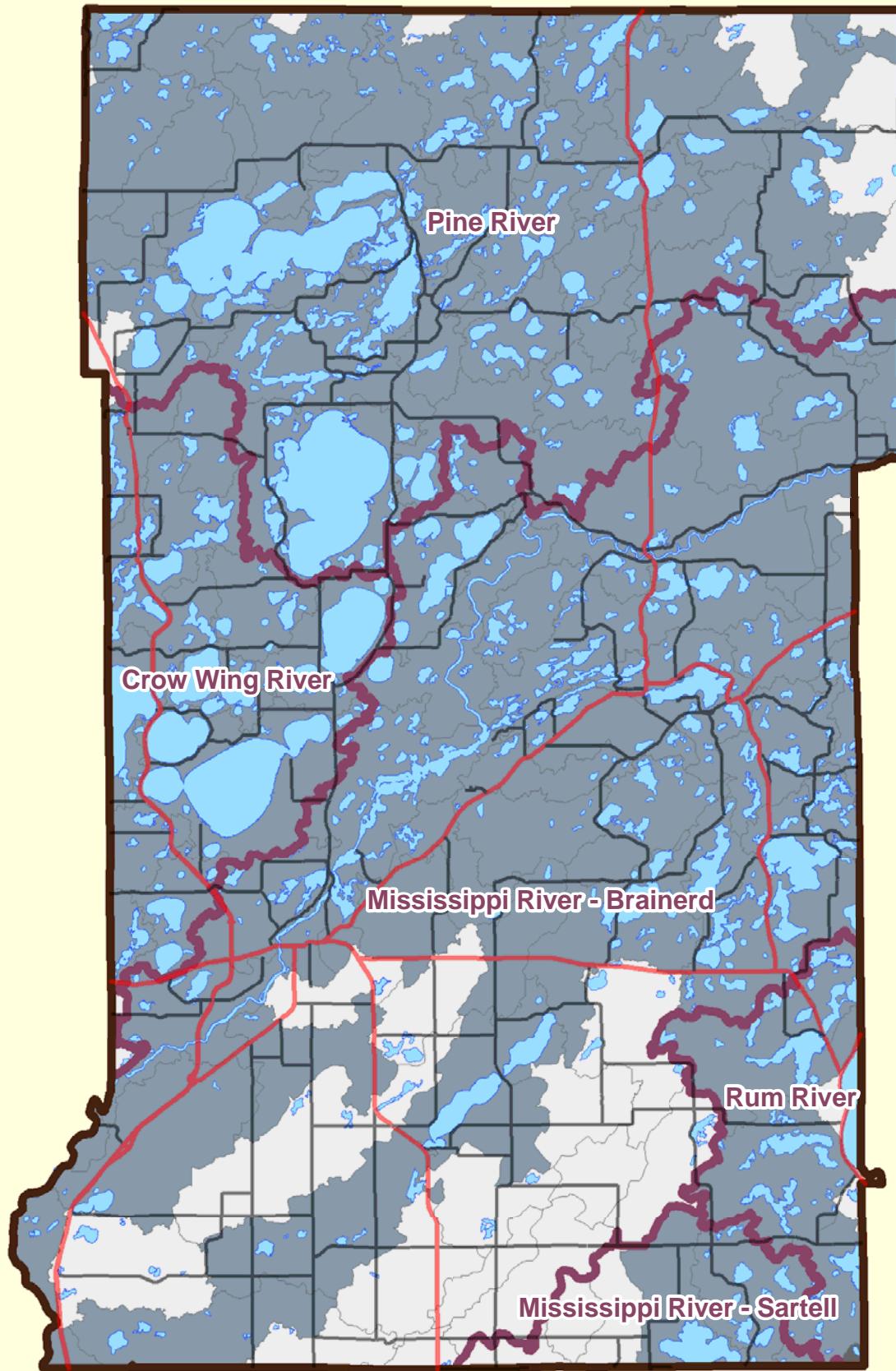


Figure 40: Stormwater & Shoreline Buffers

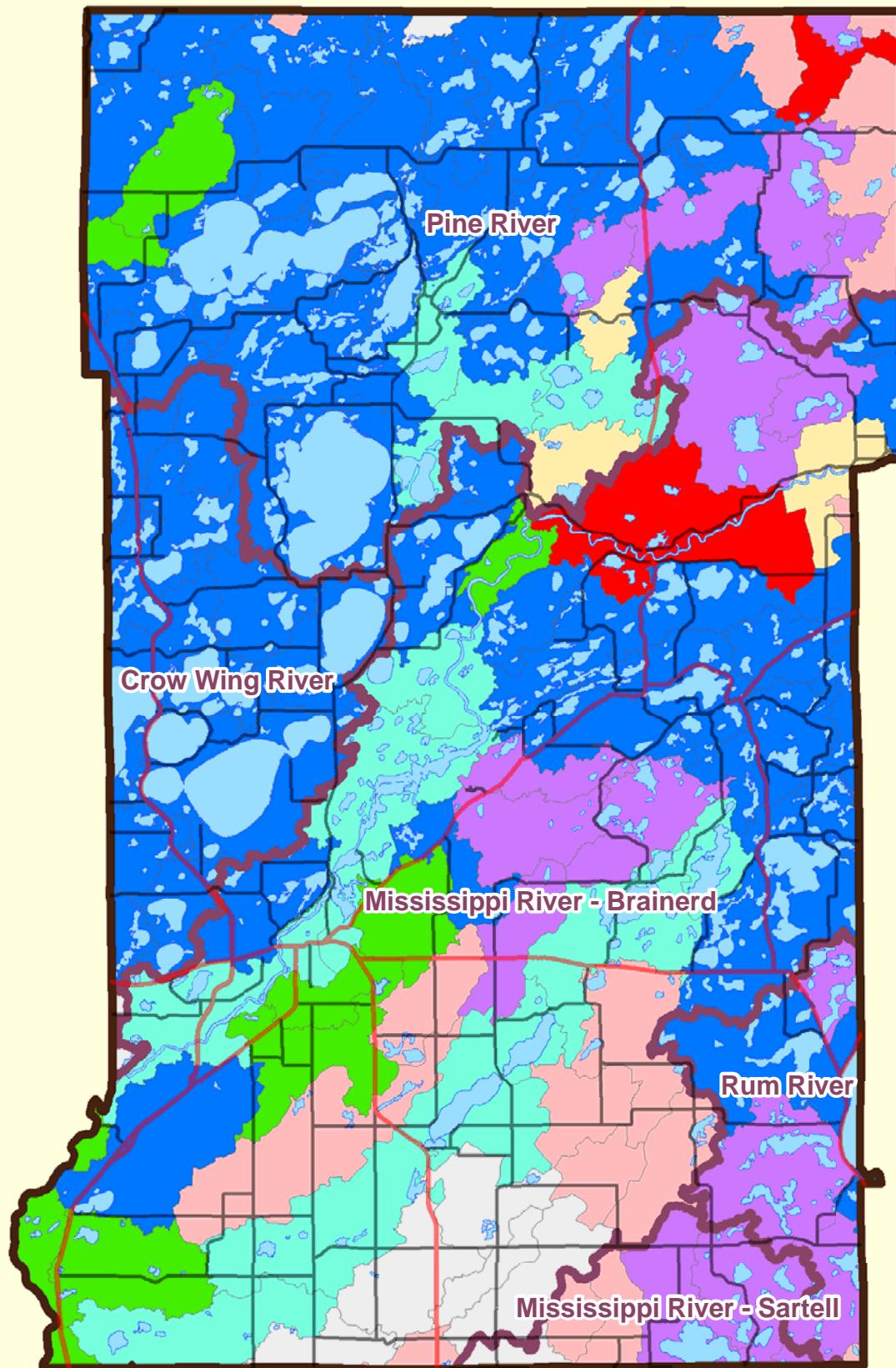


Figure 41: Surface Water Priority Watersheds

**Surface Water Focus (by watershed)**

<span style="background-color: blue; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Lakes
<span style="background-color: purple; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Lakes and Wetlands
<span style="background-color: cyan; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Lakes and Rivers
<span style="background-color: green; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Rivers
<span style="background-color: yellow; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Rivers and Wetlands
<span style="background-color: pink; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Wetlands
<span style="background-color: red; border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>	Lakes, River, and Wetlands

- Major Watersheds
- Lakes
- Mississippi River
- US Highways
- State Highways
- County Roads

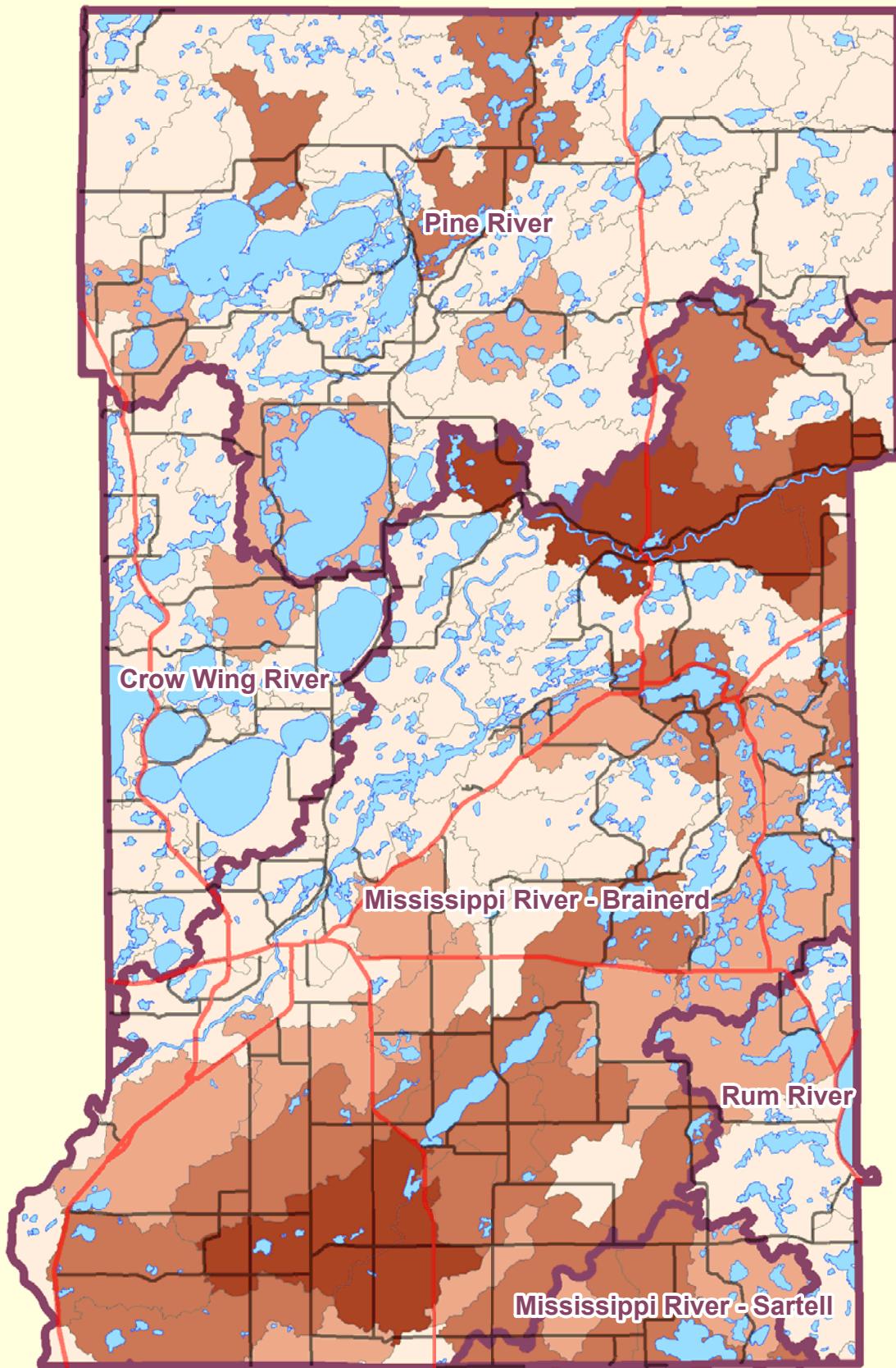
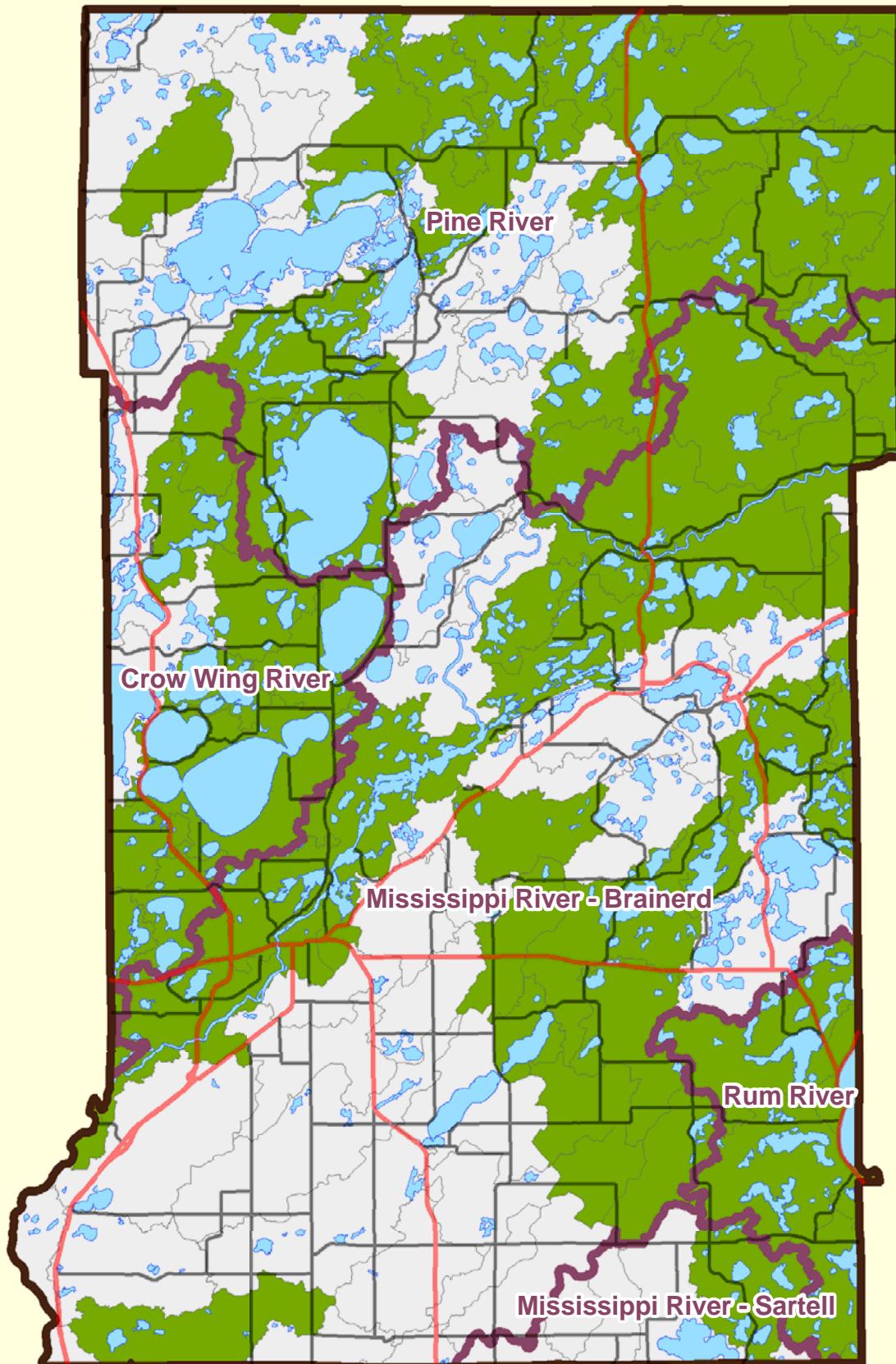


Figure 42: Implementation Priority: Agricultural BMPs

Agricultural Areas (by Animal Units)	
Total by Minor Watershed	
501 +	Major Watersheds
101 - 500	Lakes
1 - 100	Mississippi River
0	US Highways
	State Highways
	County Roads



Sources: MN County Biological Survey, DNR Natural Heritage Database

Figure 43: Implementation Priority: Ecologically Important Watersheds

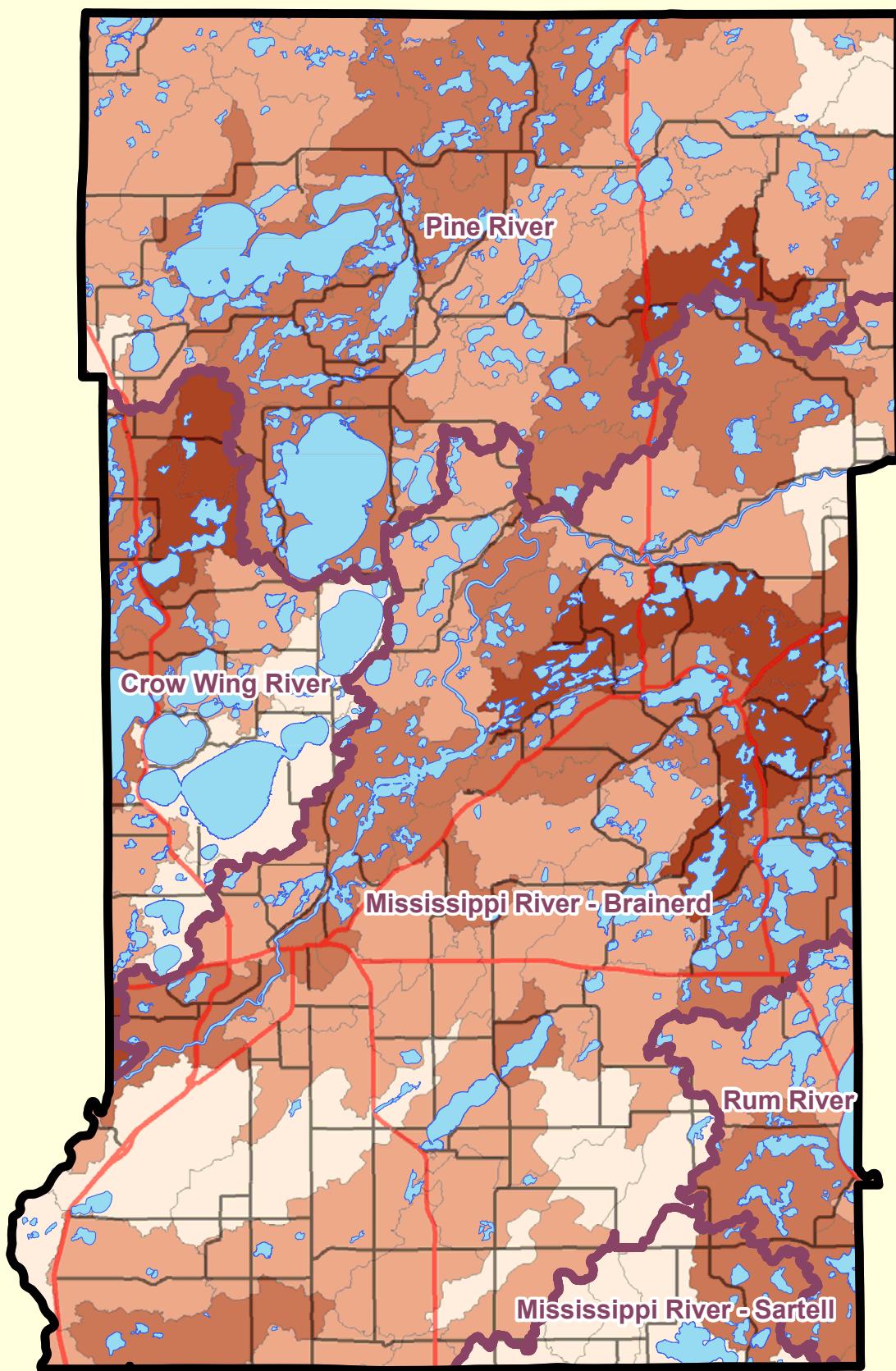
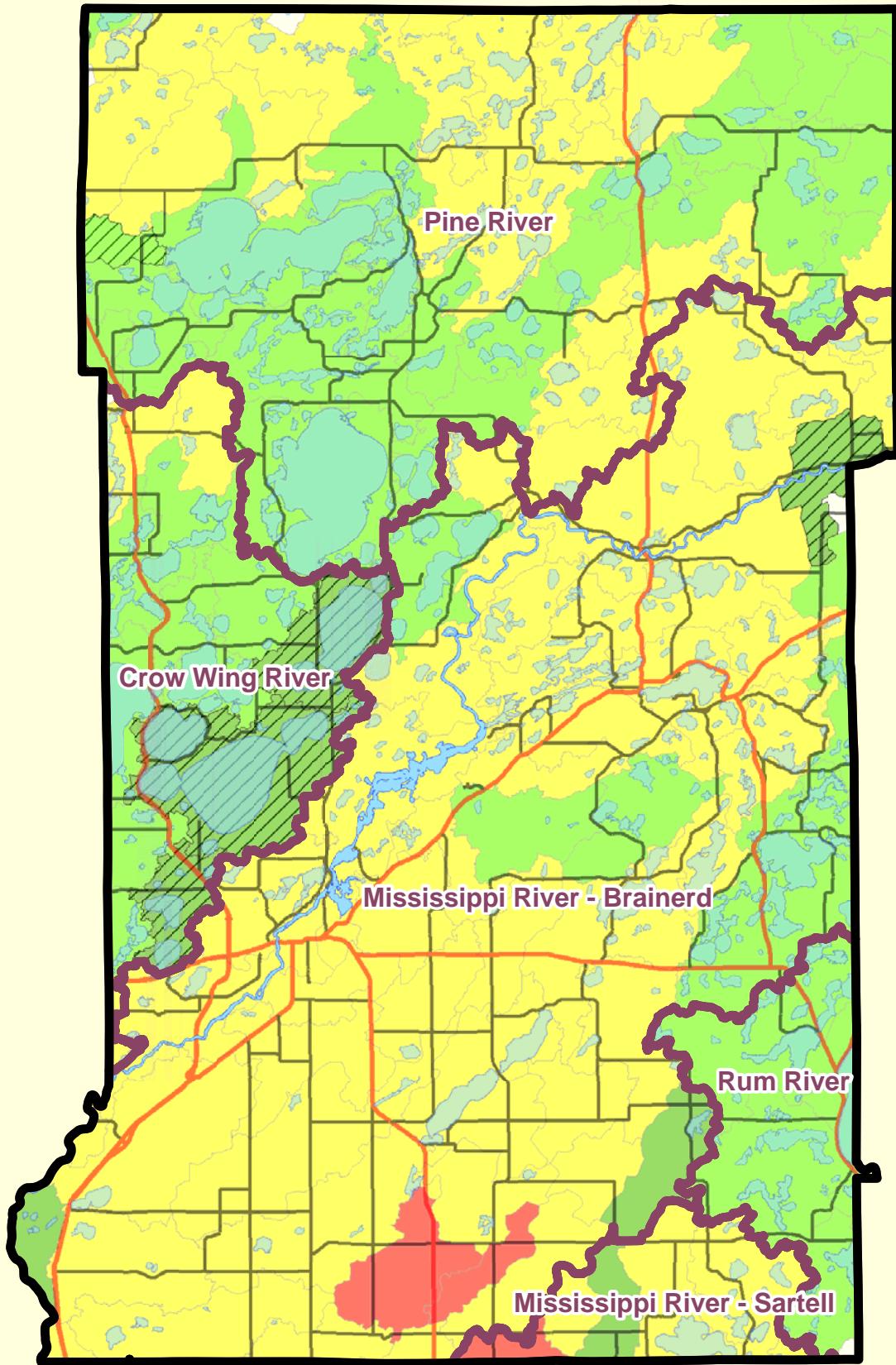


Figure 44: Implementation Priorities: Bluffs & Steep Slopes



Model includes peak flows from spring snow melt and large rain events.

Land cover source: National Land Cover Dataset, 2006

Model developed by: Sandy Verry

Figure 45: Peak Flow Impacts on Stream Stability & Other CWC Ditching / Drainage Focus Areas



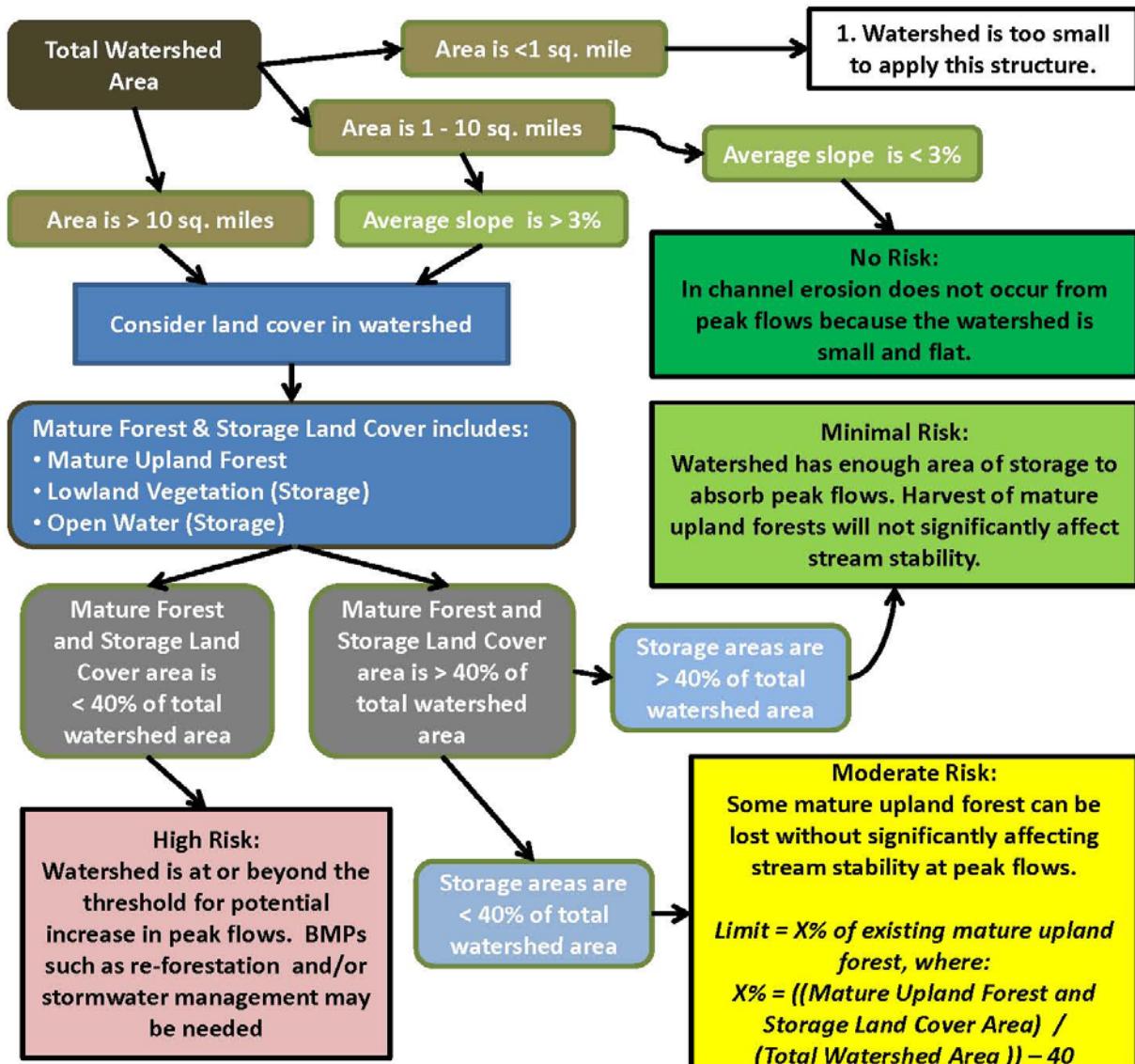
Environmental Services

CROW WING COUNTY

BRAINERD, MINNESOTA 56401

Figure 46. Peak Flow Model (from Sandy Verry)

**Sandy Verry Model for Assessing Stream Stability at Peak Flows in Relation to Forest Cover**



Composed by Jeff Reinhart  
Minnesota Forest Resources Council  
Funded by US Forest Service

Modified by Mitch Brinks  
Crow Wing County Land Services Department

Based on research from:  
Verry, Elon S. 2000. Land fragmentation and impacts to streams and fish in the central and upper midwest. In: Proceedings, Society of American Foresters 2000 national convention; 2000 November 16-20; Washington DC. SAF Publication 01-02. Bethesda, MD: Society of American Foresters: 38-44. Retrieved 1/14/13 from <http://nrs.fs.fed.us/pubs/2537>

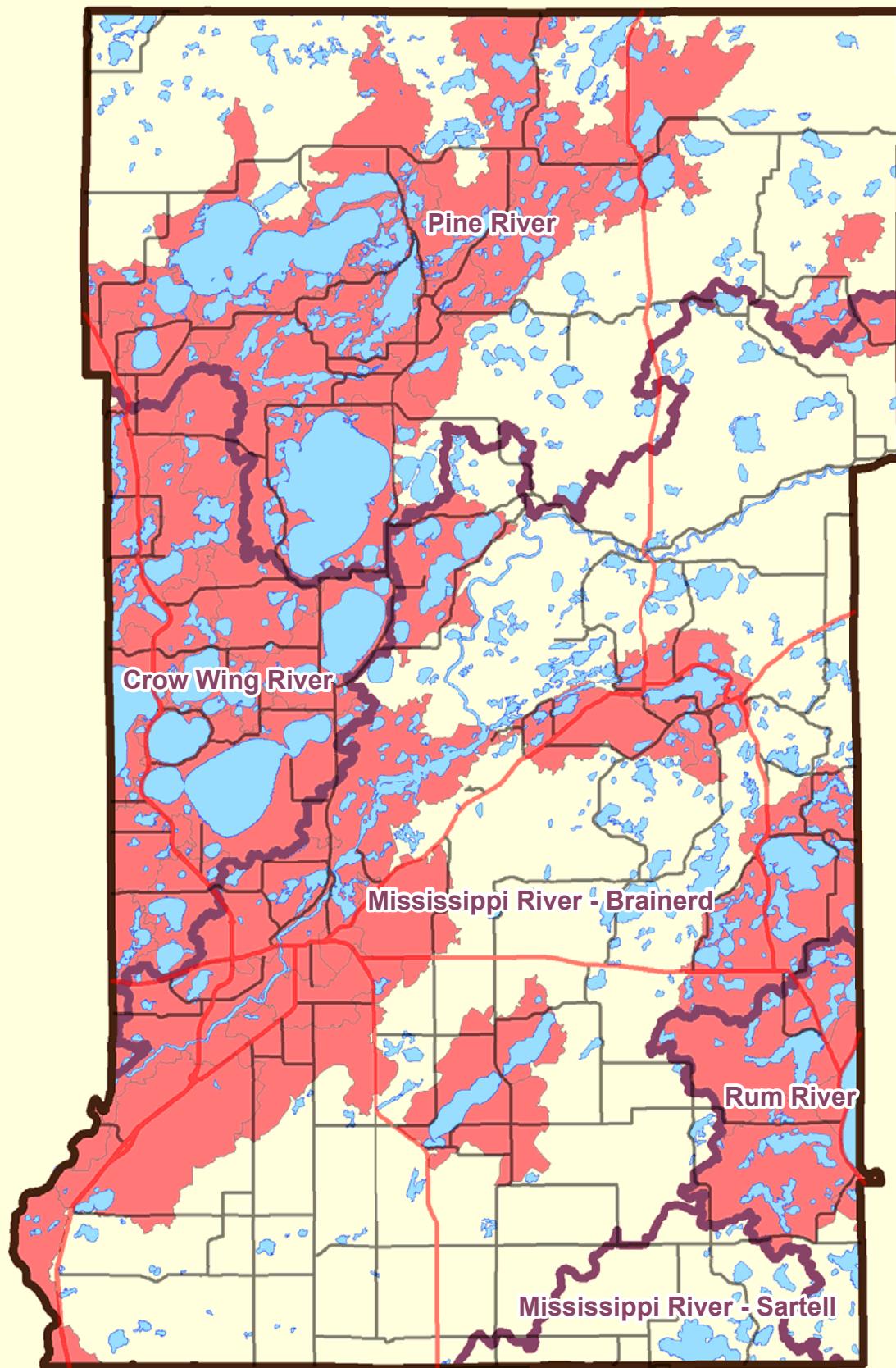


Figure 47: Implementation Priority: Growth & Development

- Development Priority Watersheds
- Major Watersheds
- Lakes
- Mississippi River
- US Highways
- State Highways
- County Roads

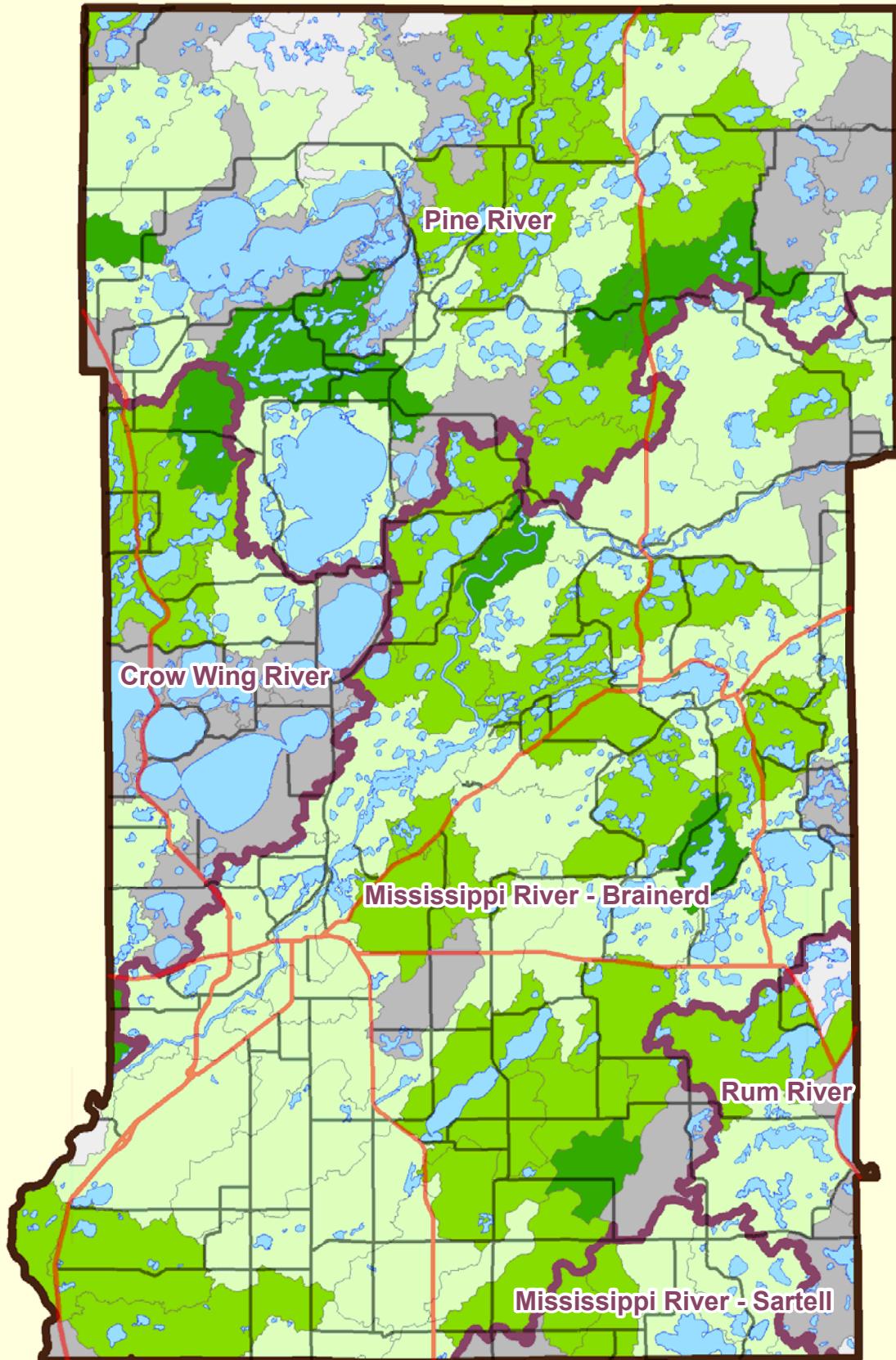


Figure 48: Implementation Priority: Private Forest Management

**Private Forest Priority Watersheds (by % private forest lands)**



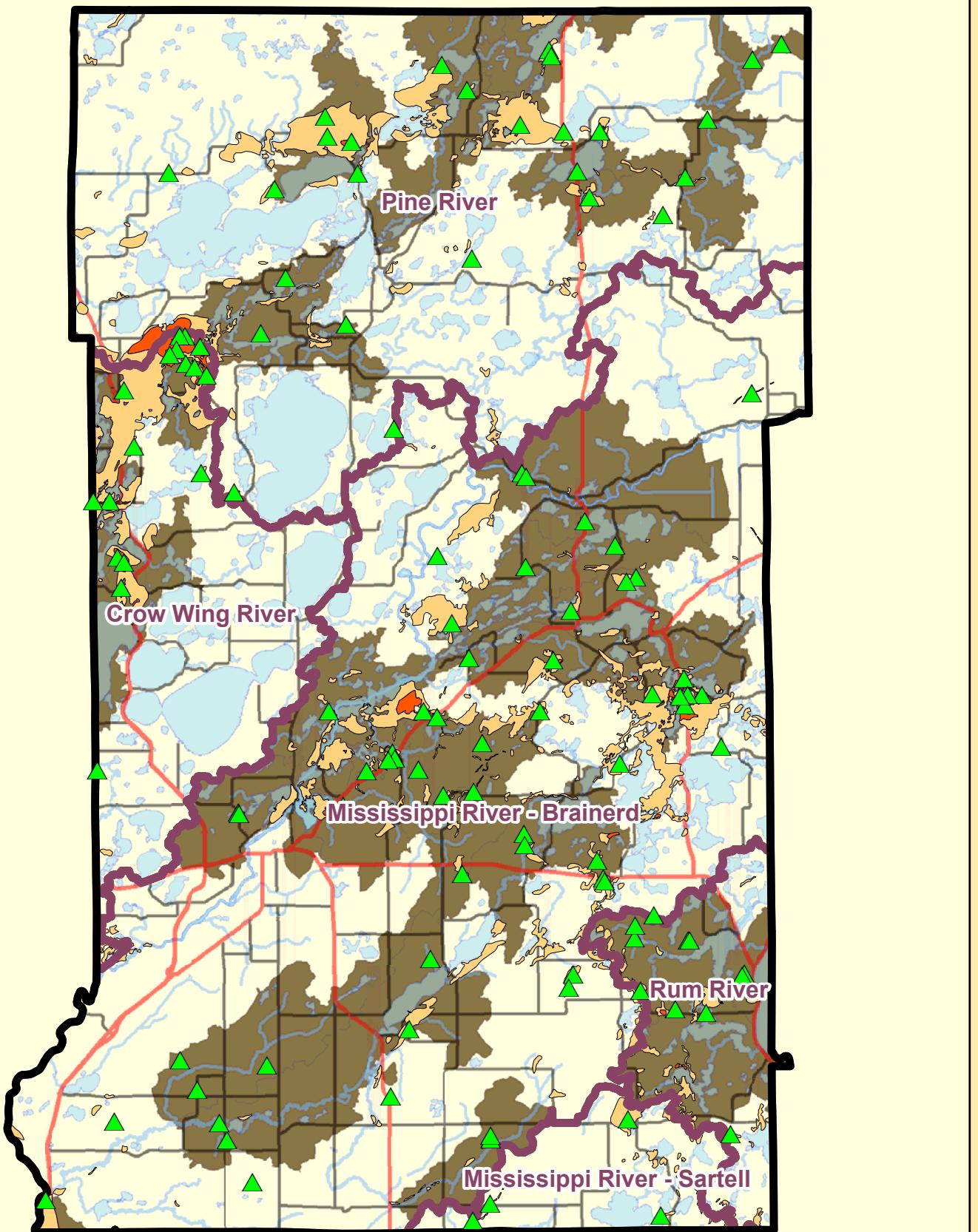


Figure 49: Extractive Uses

**Gravel Pits**  
▲ Active

**Potential Aggregate Sources**  
■ Primary  
■ Secondary

Source: CWC Geologic Atlas

**Priority Watershed Focus:**  
■ Extractive Uses

- Major Watersheds
- Lakes
- Mississippi River
- Streams
- US Highways
- State Highways
- County Roads