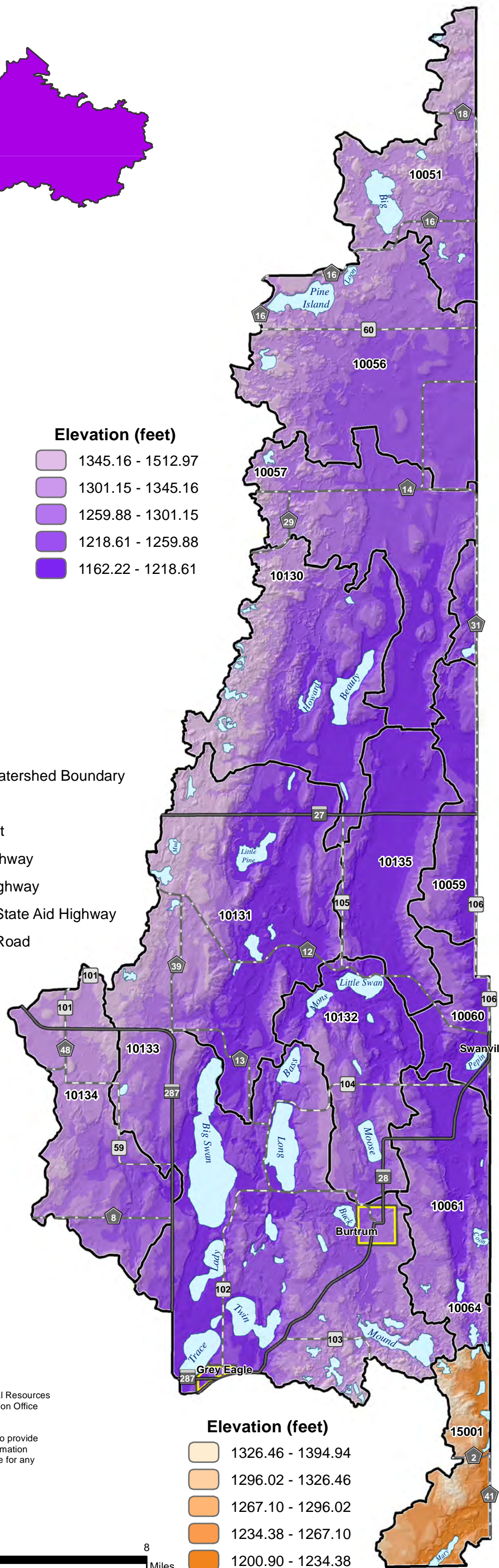
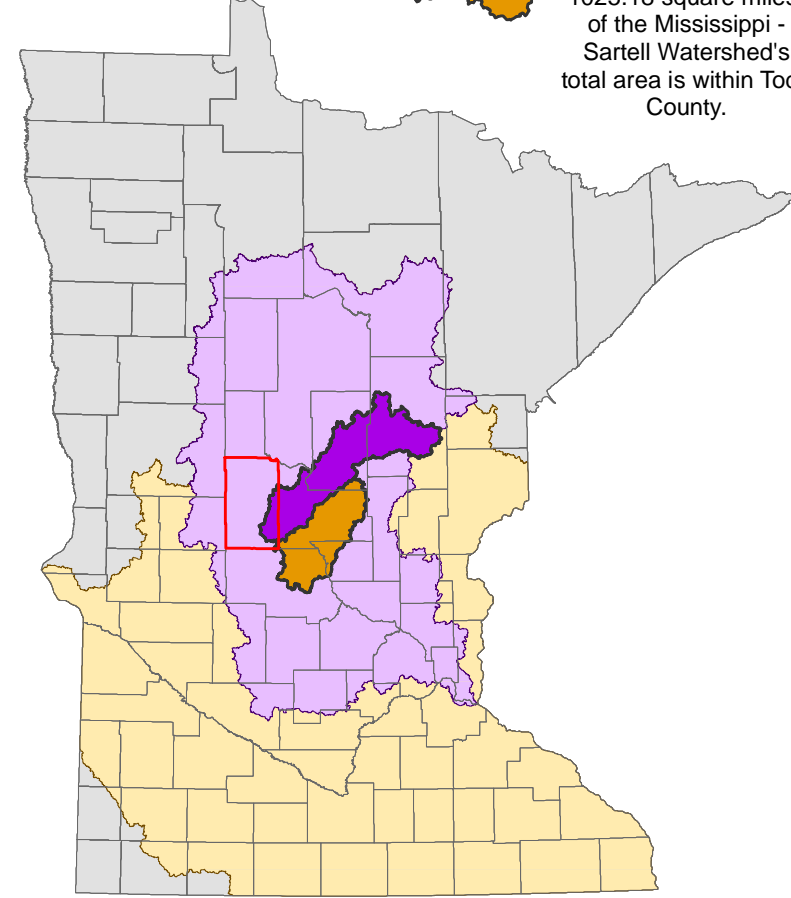
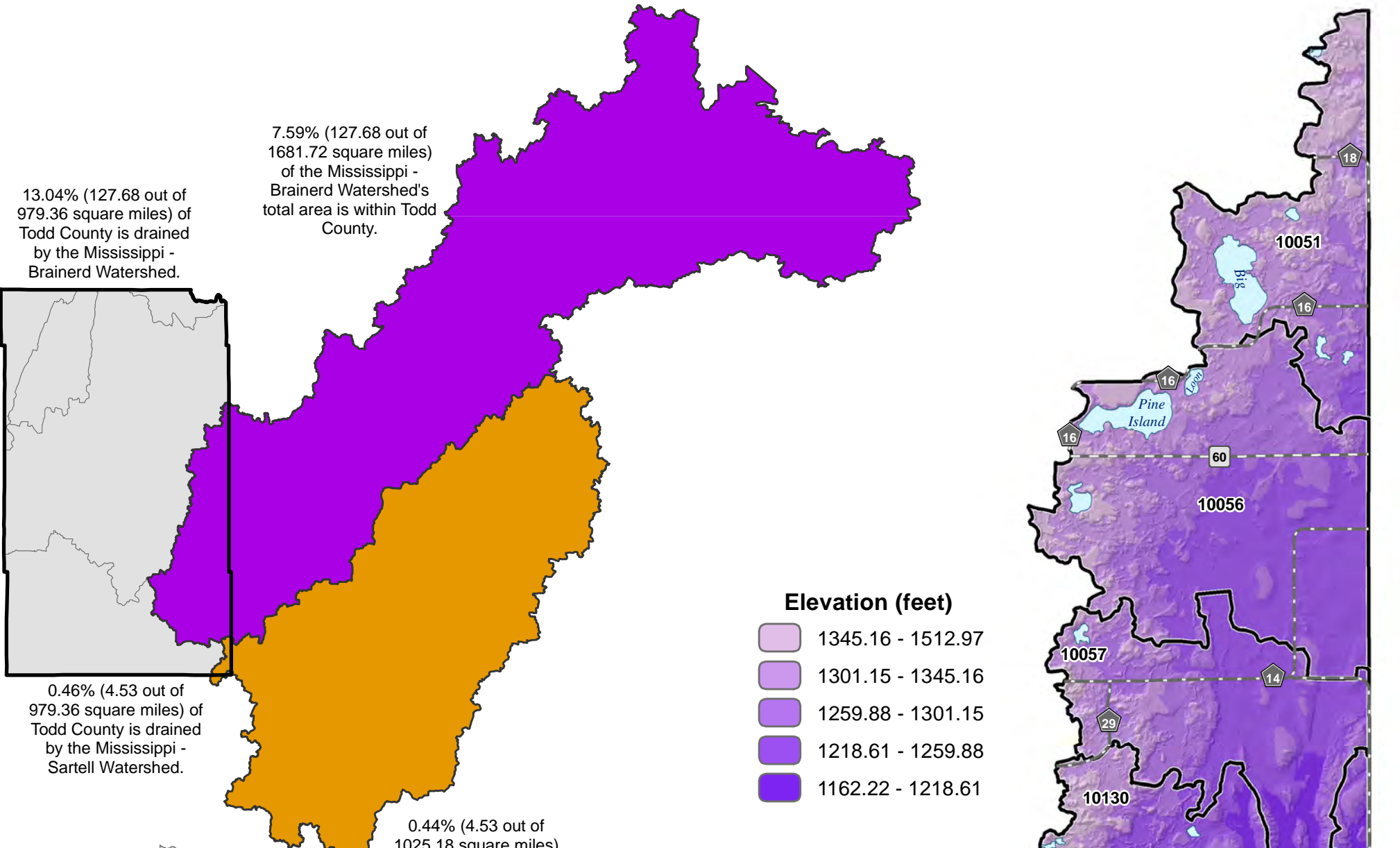


# MISSISSIPPI - BRAINERD AND MISSISSIPPI - SARTELL WATERSHEDS



- DNR Level 4 Major Watershed**
- Mississippi River - Brainerd
- Mississippi River - Sartell
- DNR Level 2 Major Watershed**
- Mississippi Headwaters
- DNR Level 1 Major Watershed**
- Upper Mississippi
- Todd County Boundary
- County Boundary

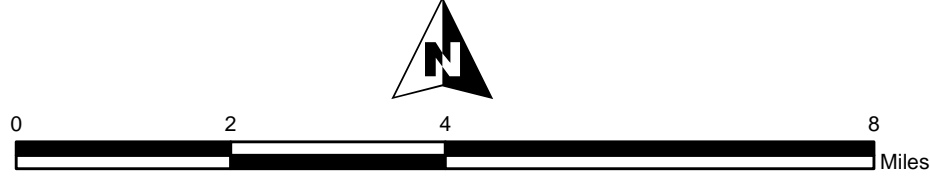
**MINOR WATERSHEDS**

ID #	Stream Name	Area (sq. miles)	Percent of Total
10051	Elk River	7.48	5.85%
10056	Little Elk River	15.33	12.01%
10057	Unknown	10.69	8.37%
10059	Irish Creek	4.05	3.17%
10060	Swan River	2.99	2.34%
10061	Molly Creek	7.41	5.80%
10064	Taylor Creek	0.01	0.01%
10130	Karlen Creek	12.38	9.69%
10131	Swan River	17.92	14.04%
10132	Swan River	7.35	5.75%
10133	Big Swan Lake	26.17	20.49%
10134	Schwanke Creek	8.61	6.74%
10135	Swan River	7.29	5.71%
<b>Total</b>		<b>127.68</b>	<b>100.00%</b>
15001	North Two River	4.53	100.00%
<b>Total</b>		<b>4.53</b>	<b>100.00%</b>

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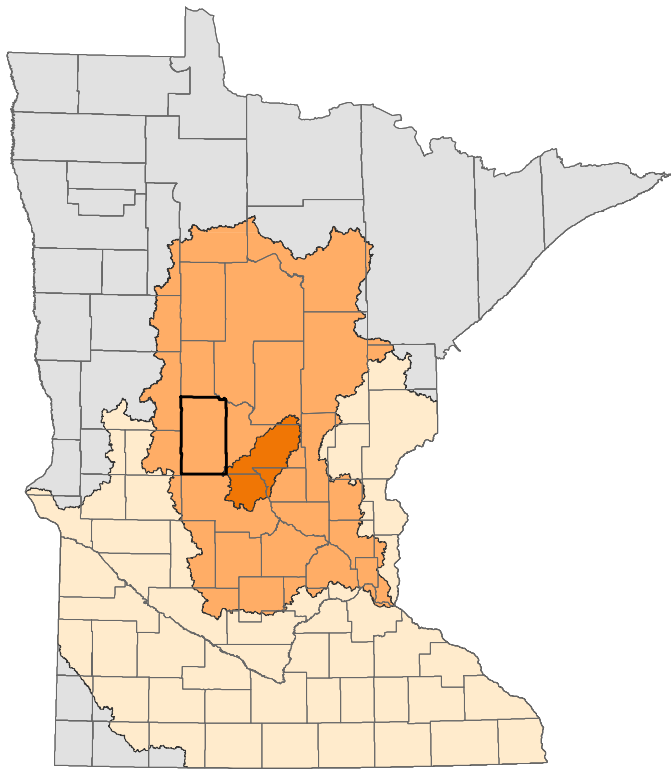
Data Sources:  
Watershed Data - MN Department of Natural Resources  
Elevation Data - MN Geospatial Information Office  
County Data - Todd County GIS

Todd County GIS has made every effort to provide the most accurate and up-to-date information available and cannot be held responsible for any unforeseen errors or omissions.



# Mississippi - Sartell Watershed

## Minor Watersheds




Minor Watersheds			
ID #	Stream Name	Area (sqMiles)	Percent of Total
15001	North Two River	4.53	100.00%
Total		4.53	100.00%

-  Minor Watershed Boundary
-  Lake
-  County State Aid Highway


### HUC 8, DNR Level 4 Major Watershed


 Mississippi River - Sartell


### HUC 4, DNR Level 2 Major Watershed

 Mississippi Headwaters

### HUC 2, DNR Level 1 Major Watershed

 Upper Mississippi

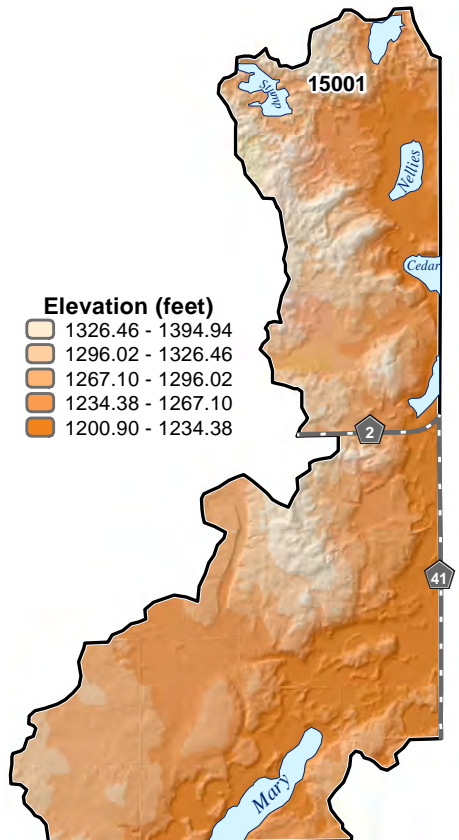
 Todd County Boundary

 County Boundary






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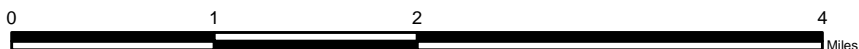
**Data Sources:**  
 Watershed Data - MN DNR  
 Impaired Waters - MN PCA  
 County Data - Todd County GIS

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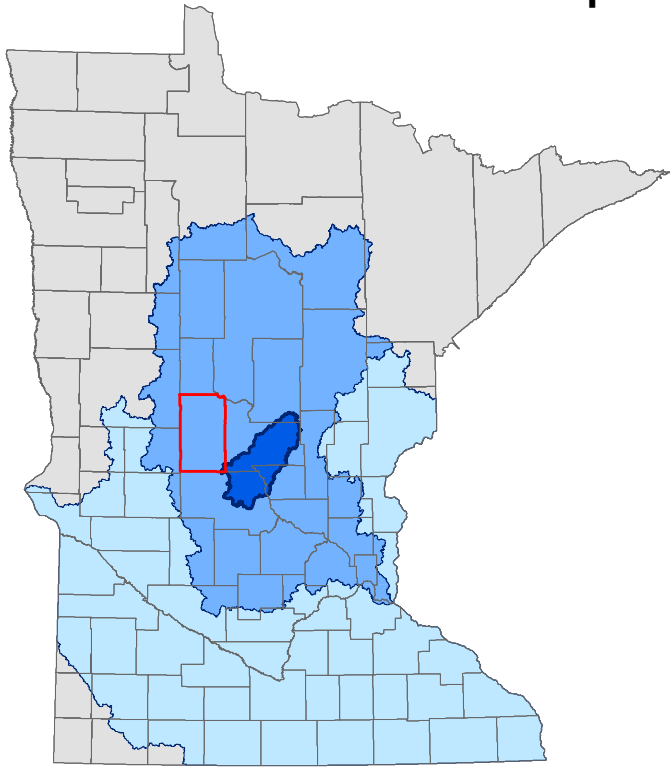
### Elevation (feet)

-  1326.46 - 1394.94
-  1296.02 - 1326.46
-  1267.10 - 1296.02
-  1234.38 - 1267.10
-  1200.90 - 1234.38



# Mississippi - Sartell Watershed


## Impaired Waters




### HUC 8, DNR Level 4 Major Watershed


 Mississippi River - Sartell


### HUC 4, DNR Level 2 Major Watershed

 Mississippi Headwaters

### HUC 2, DNR Level 1 Major Watershed


 Upper Mississippi


 Todd County Boundary

 County Boundary


 Impaired Lake

 Lake

 Minor Watershed Boundary

 Perennial Stream

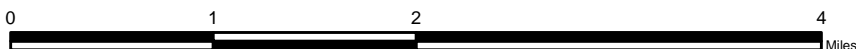
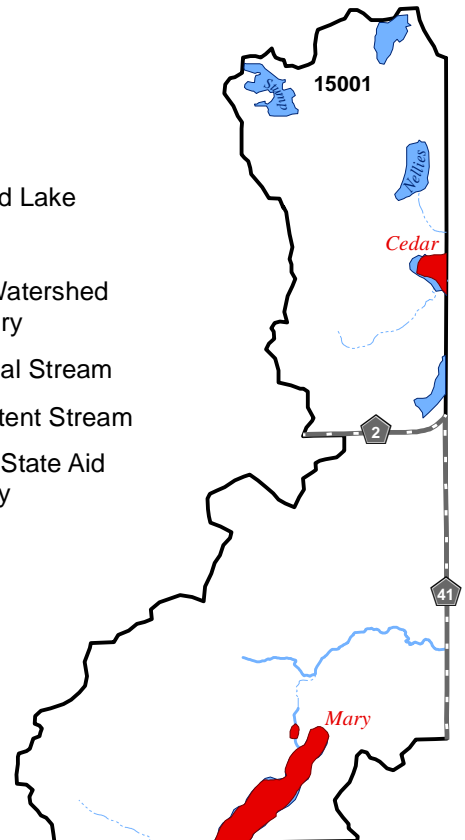
 Intermittent Stream

 County State Aid Highway

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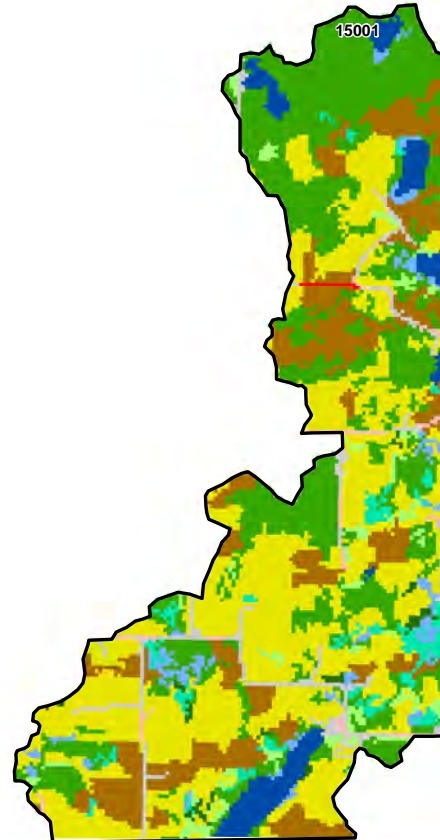
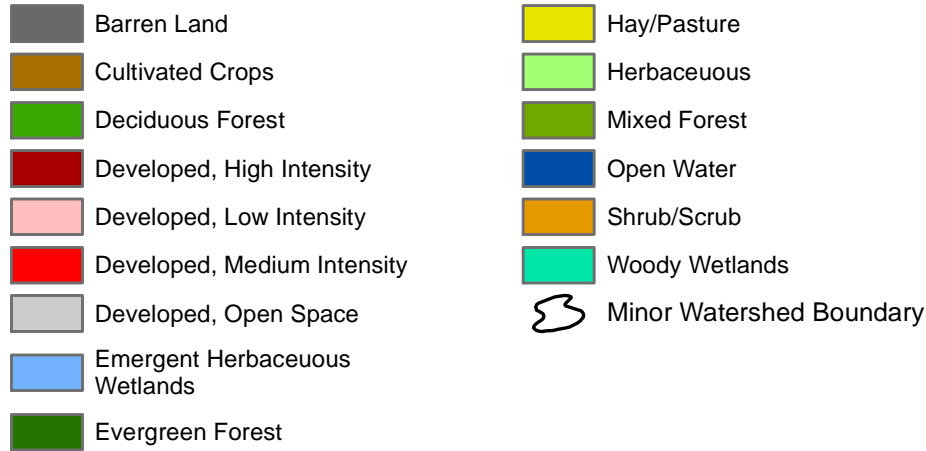
**Data Sources:**  
 Watershed Data - MN DNR  
 Impaired Waters - MN PCA  
 County Data - Todd County GIS

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# Mississippi - Sartell Watershed

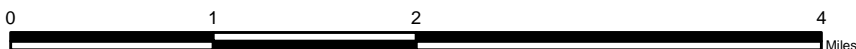
## Land Cover



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



**Data Sources:**  
Land Cover Data - MRLC  
Watershed Data - MN DNR  
County Data - Todd County GIS




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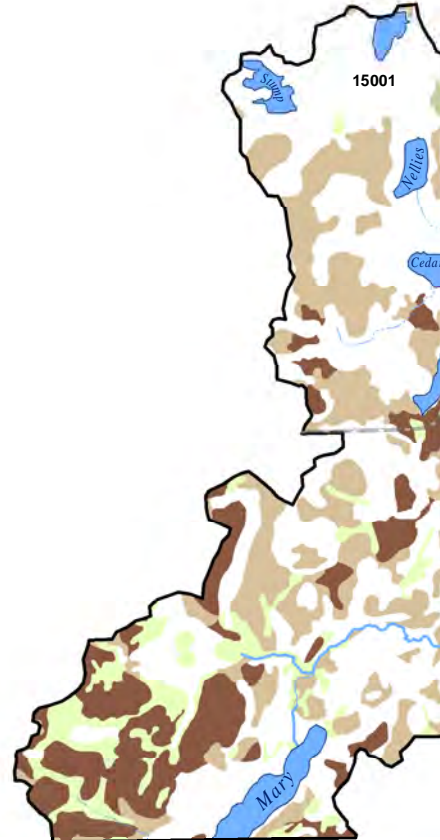


# Mississippi - Sartell Watershed

## Prime Farmland

-  All Areas Are Prime Farmland
-  Farmland Of Statewide Importance
-  Prime Farmland If Drained
-  Lake
-  Perennial Stream
-  Intermittent Stream

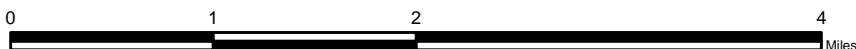
-  Minor Watershed Boundary
-  County State Aid
-  County Road



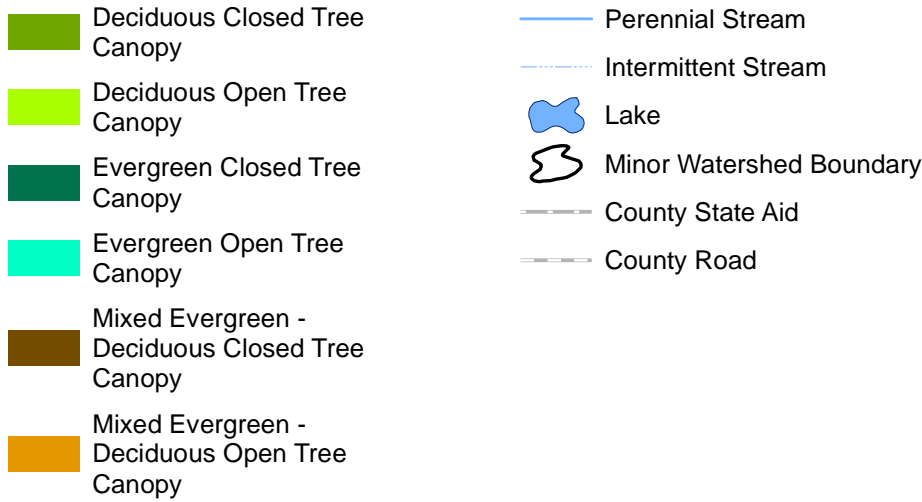
**Created by:**  
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**Data Sources:**  
Farmland Data - USDA  
Watershed Data - MN DNR  
County Data - Todd County GIS

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# Mississippi - Sartell Watershed Forests



**Deciduous Closed Tree Canopy** - Area dominated by deciduous tree species which contribute >75% of the total tree cover.

**Deciduous Open Tree Canopy** - Area dominated by deciduous tree species which contribute <75% of the total tree cover.

**Evergreen Closed Tree Canopy** - Area dominated by evergreen tree species which contribute >75% of the total tree cover.

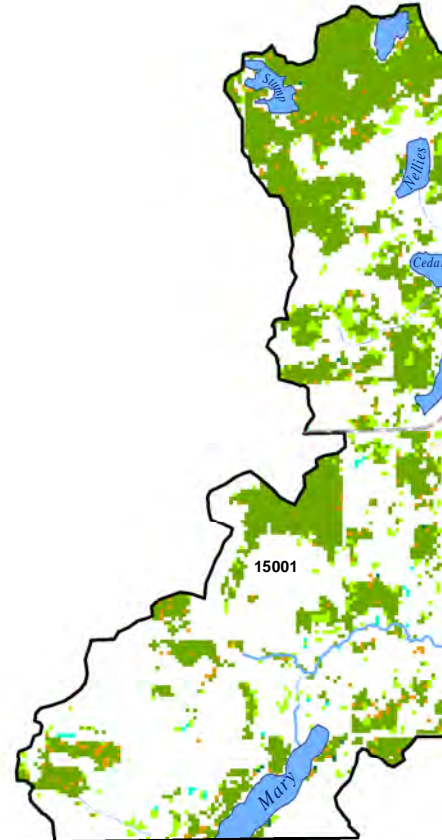
**Evergreen Open Tree Canopy** - Area dominated by evergreen tree species which contribute <75% of the total tree cover.

**Mixed Evergreen - Deciduous Closed Tree Canopy** - Area dominated by a combination of evergreen and deciduous tree species which each contribute 25 - 75% of the total tree cover.

**Mixed Evergreen - Deciduous Open Tree Canopy** - Area dominated by a combination of evergreen and deciduous tree species which each contribute 25 - 75% of the total tree cover.

**Closed Tree Canopy** - Area dominated by trees with interlocking crowns (generally forming 60 - 100% crown cover).

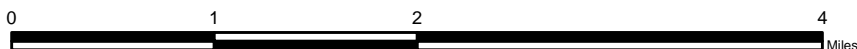
**Open Tree Canopy** - Area dominated by trees with crowns not usually touching (generally forming 25 - 60% crown cover).








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**Data Sources:**  
Vegetation Data - USGS  
Watershed Data - MN DNR  
County Data - Todd County GIS

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# Mississippi - Sartell Watershed Wetlands

-  Lake
-  Freshwater Pond
-  Riverine
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland

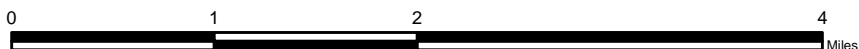
-  Minor Watershed Boundary
-  County State Aid
-  County Road



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**Data Sources:**  
Wetland Data - USFWS  
Watershed Data - MN DNR  
County Data - Todd County GIS

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# Mississippi - Sartell Watershed

## Native Plant Communities

- |   |   |   |                          |
|---|---|---|--------------------------|
|  | Black Ash - (Red Maple)<br>Seepage Swamp          |  | Perennial Stream         |
|  | Bulrush Marsh (Northern)                          |  | Intermittent Stream      |
|  | Meadow - Marsh - Fen -<br>Swamp Complex           |  | Lake                     |
|  | Northern Wet Meadow/Carr                          |  | Minor Watershed Boundary |
|  | Red Oak - Basswood<br>Forest (Noncalcareous Till) |  | County State Aid         |
|  | Spikerush - Bur Reed<br>Marsh (Northern)          |  | County Road              |
|  | Tamarack Swamp<br>(Southern)                      |   |                          |



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**Data Sources:**  
MN County Biological Survey &  
Watershed Data - MN DNR  
County Data - Todd County GIS

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