Mississippi River – Brainerd (56 minor watersheds):

Part 1:

10011 Unknown DNR Minor Watershed Name
10012 Ditch
10013 Unknown DNR Minor Watershed Name
10014 Mississippi R
10033 Cedar Cr
10034 Unknown DNR Minor Watershed Name
10035 Ripple R
10036 Spirit L
10048 Mississippi R
10069 Mississippi R
10070 Little Nokasippi R
10071 Little Nokasippi R
10072 Dagget Bk
10073 Black Bk Cr
10080 Unknown DNR Minor Watershed Name
10081 Mississippi R
10082 Mississippi R
10083 Mississippi R
10084 Mississippi R
10085 Mississippi R
**Major Watershed Name:** Mississippi River - Brainerd

**Area (sq. miles):** 4

**Population 2010 (persons per sq. mile):** 6

**Population Change 2000 to 2010 (persons per sq. mile):** 4

**Surficial Geology:** Glacial Till

- **% Slope (avg.):** 10
- **% Forested (private):** 29
- **% Disturbed Land Cover:** 12
- **% Developed:** 4

**Extractive Uses:** Minimal

- **# of Animal Units:** 33

**Biological Diversity:**

- **% Public Land:** 45
- **% Easements:** 0
- **% Lakes:** 11
- **% Streams:** 0
- **% Wetlands (private):** 7
- **% Protected:** 64

**Assigned Risk Level:** Vigilance

**Implementation Priorities:**

- **Surface Water:** Aquatic Invasive Species, Stormwater
- **Creek Focus:** Recreational Use & Development
- **Lake Focus:** Wild Rice / Wildlife, Rivers / Floodplains, Agricultural BMPs, Ecological Sensitive Areas, Bluffs & Steep Slopes, Public & Private Drainage, Development (existing and potential), Private Forest Stewardship

**Ground Water:**

- Public & Private Land, Drainage Development (existing and potential), Septic Systems, Wellhead Protection

**Surface Water:**

- **Invasive Species:** Stormwater
- **Shoreline Buffers:** x
- **Lake Focus:** Recreational Use & Development

**Drainage Development:**

- **Agricultural BMPs:** Ecological Sensitive Areas, Bluffs & Steep Slopes, Public & Private Drainage, Development (existing and potential), Private Forest Stewardship

**Public & Private Land:**

- Public & Private Land, Drainage Development (existing and potential), Septic Systems, Wellhead Protection
Crow Wing (18-155 P)

Mud (18-160 P)

Mud (18-151 P)

Twin (18-148 W)

Unnamed (18-158 W)

Unnamed (18-159 W)

Unnamed (18-157 W)

Unnamed (18-156 W)

Sebie (18-161 P)

371

2

131

Morrison

FORT RIPLEY

ST MATHIAS

City of Fort Ripley

Ditch 14

Mississippi River

Hay Creek

Little Nokasippi River

: 01 . 5 0.75

Miles

Public Waterworks

Water Use: Air Conditioning

Water Use: Industrial Processing

Irrigation: Crop

Irrigation: Non Crop

Water Use: Special Categories

Wellhead Protection Areas

Drinking Water Source Protection Areas

Feedlots (by primary animal)

BIRDS

BOVINES

HORSES

PIGS

Water Access Sites

Active Gravel Pits

U.S. Highways

State Highways

County Roads

Paul Bunyan State Trail

Cities / Townships

Mississippi River

County Ditches

Wetlands (from NW)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Twin

Infested Lakes

Millet

Millet, Zebra Mussels

Zebra Mussels

Millet, Zebra Mussels, Spiny Water Flea

Lakes (Classification & Water Quality Status)

General Development (GD)

Recreational Development (RD)

Natural Environment (NE)

Natural Environment-Special Shallow (NE-SS)

Impaired: Nutrients

Improving

Declining

No Trend

No Trend / Declining

Multiple Trends

Not Assessed

State Park

State Recreation Area

Scientific and Natural Area Boundaries

Wildlife Management Areas

Conservation Easements

Public Land

3O Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

Minor Watershed # 10048

Major Watershed Name Mississippi River - Brainerd

Area (sq. miles) 5

Population 2010 (persons per sq. mile) 42

Population Change 2000 to 2010 (persons per sq. mile) 13

Surficial Geology Upper Terrace

% Slope (avg.)

% Forested (private)

% Disturbed Land Cover

% Developed

Extractive Uses

% Lakes

% Streams

% Wetlands (private)

% Protected

Assigned Risk Level Enhance / Protection

Implementation Priorities

Top 24 Priority Watershed

Surface Water

Aquatic invasive Species

Stormwater

Shoreline Buffers

Lake Focus: Recreational Use & Development

Lake Focus: Wild Rice / Wildlife

Rivers / Floodplains

Agricultural BMPs

Ecological Sensitive Areas

Bluffs & Steep Slopes

Public & Private Drainage

Development (existing and potential)

Private Forest Stewardship

Ground Water

Septic Systems

Wellhead Protection

Land Services

Public Land

3O Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0.75 1.5 Miles

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<th>Minor Watershed #</th>
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<th>10072</th>
<th>10073</th>
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<td><strong>Area (sq. miles)</strong></td>
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<td><strong>Population 2010 (persons per sq. mile)</strong></td>
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<td><strong>Population Change 2000 to 2010 (persons per sq. mile)</strong></td>
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<td>Top 24 Priority Watershed</td>
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<td>Surface Water</td>
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<td>Aquatic Invasive Species</td>
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<td>Shoreline Buffers</td>
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<td>Lake Focus: Recreational Use &amp; Development</td>
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<td>Bluffs &amp; Steep Slopes</td>
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<td>Public &amp; Private Drainage Development (existing and potential)</td>
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<td>Private Forest Stewardship</td>
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<td>Ground Water</td>
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<td>Wellhead Protection</td>
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<th><strong>Feedlots (by primary animal)</strong></th>
<th>BIRDS</th>
<th>BOVINES</th>
<th>HORSES</th>
<th>PIGS</th>
<th>Water Access Sites</th>
<th>Active Gravel Pits</th>
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<td><strong>Cities / Townships</strong></td>
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<td><strong>Wetlands (from NWI)</strong></td>
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<th><strong>Trout, Rice, and Cisco Lakes</strong></th>
<th>Cisco</th>
<th>Cisco and Wild Rice</th>
<th>Cisco and Trout</th>
<th>Wild Rice</th>
<th>Trout</th>
<th>Infested Lakes</th>
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<td><strong>Mittol, Zebra Mussels</strong></td>
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<td><strong>Mittol, Zebra Mussels, Spiny Water Flea</strong></td>
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<th><strong>Lakes (Classification &amp; Water Quality Status)</strong></th>
<th>General Development (GD)</th>
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<th>Natural Environment-Special Shallow (NE-SSh)</th>
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<td><strong>% Wetlands (private)</strong></td>
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<th><strong>Lakes (Classification &amp; Water Quality Status)</strong></th>
<th>General Development (GD)</th>
<th>Recreational Development (RD)</th>
<th>Natural Environment (NE)</th>
<th>Natural Environment-Special Shallow (NE-SSh)</th>
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Upper Mission (18-242 P)
Lower Mission (18-243 P)
Bass (18-256 P)
Fool (18-224 P)
Horseshoe (18-251 P)
Silver (18-239 P)
Cole (18-127 P)
Island (18-129 P)
Miller (18-133 P)
Black Bear (18-140 P)
Bonnie (18-259 P)
Unnamed (18-635 W)
Unnamed (18-634 W)
Rassett (18-134 P)
Unnamed (18-445 P)
Flynn (18-132 W)
Taylor (18-236 W)
Hunter (18-128 P)
Unnamed (18-571 W)
Unnamed (18-566 W)
Unnamed (18-235 W)
Unnamed (18-630 W)
Unnamed (18-632 W)
East Twin (18-257 W)
Young (18-252 W)
Little Bass (18-254 P)

Environmental Services
Public Waterworks
Aquatic Invasive Species
Stormwater
Shoreline Buffers
Lake Focus: Recreational Use & Development
Lake Focus: Wild Rice / Wildlife
Agricultural BMPs
Ecological Sensitive Areas
Bluffs & Steep Slopes
Public & Private Drainage
Development (existing and potential)
Private Forest Stewardship
Ground Water
Septic Systems
Wellhead Protection

Implementation Priorities
Top 24 Priority Watershed
Surface Water
Aquatic Invasive Species
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Lake Focus: Recreational Use & Development
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