

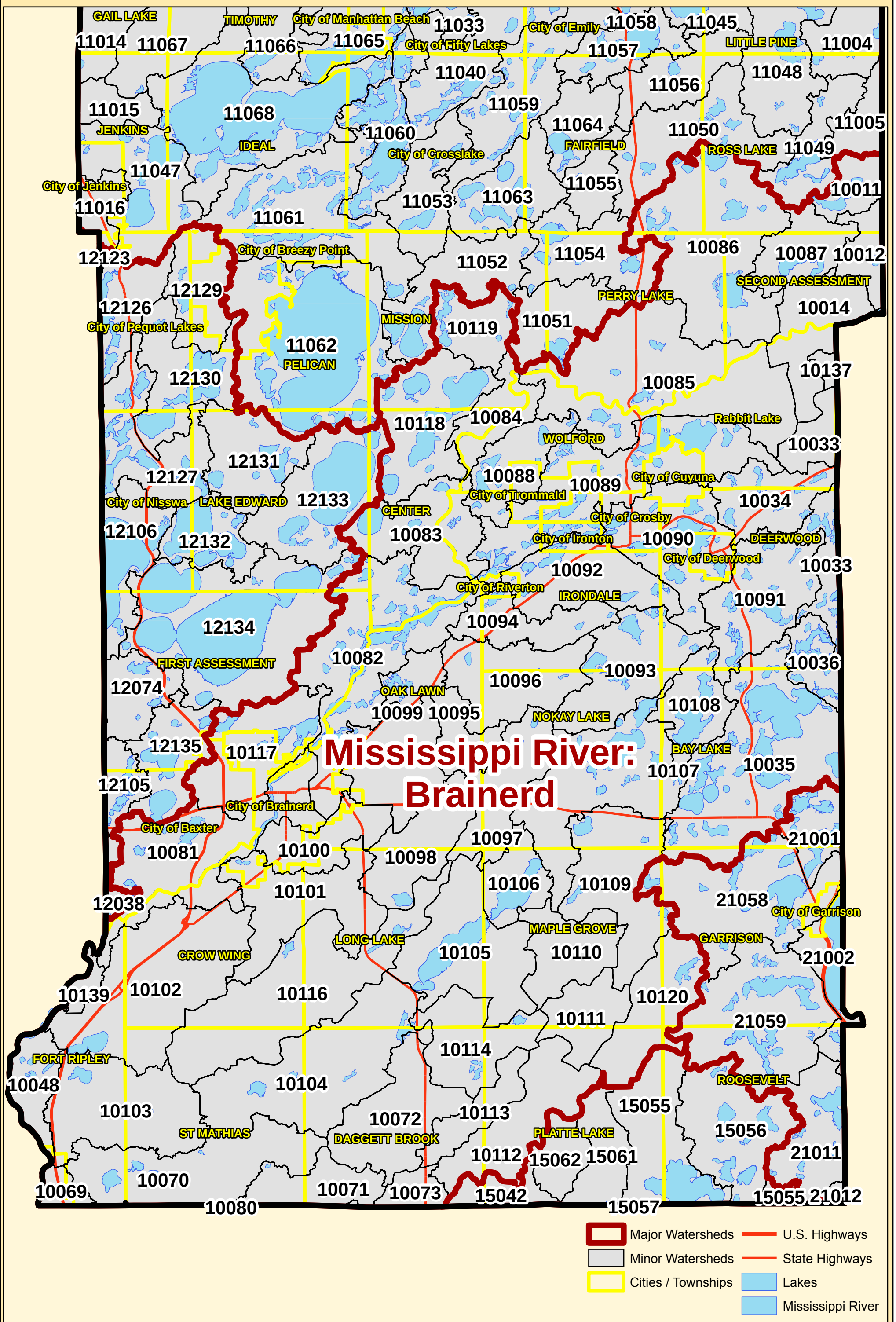


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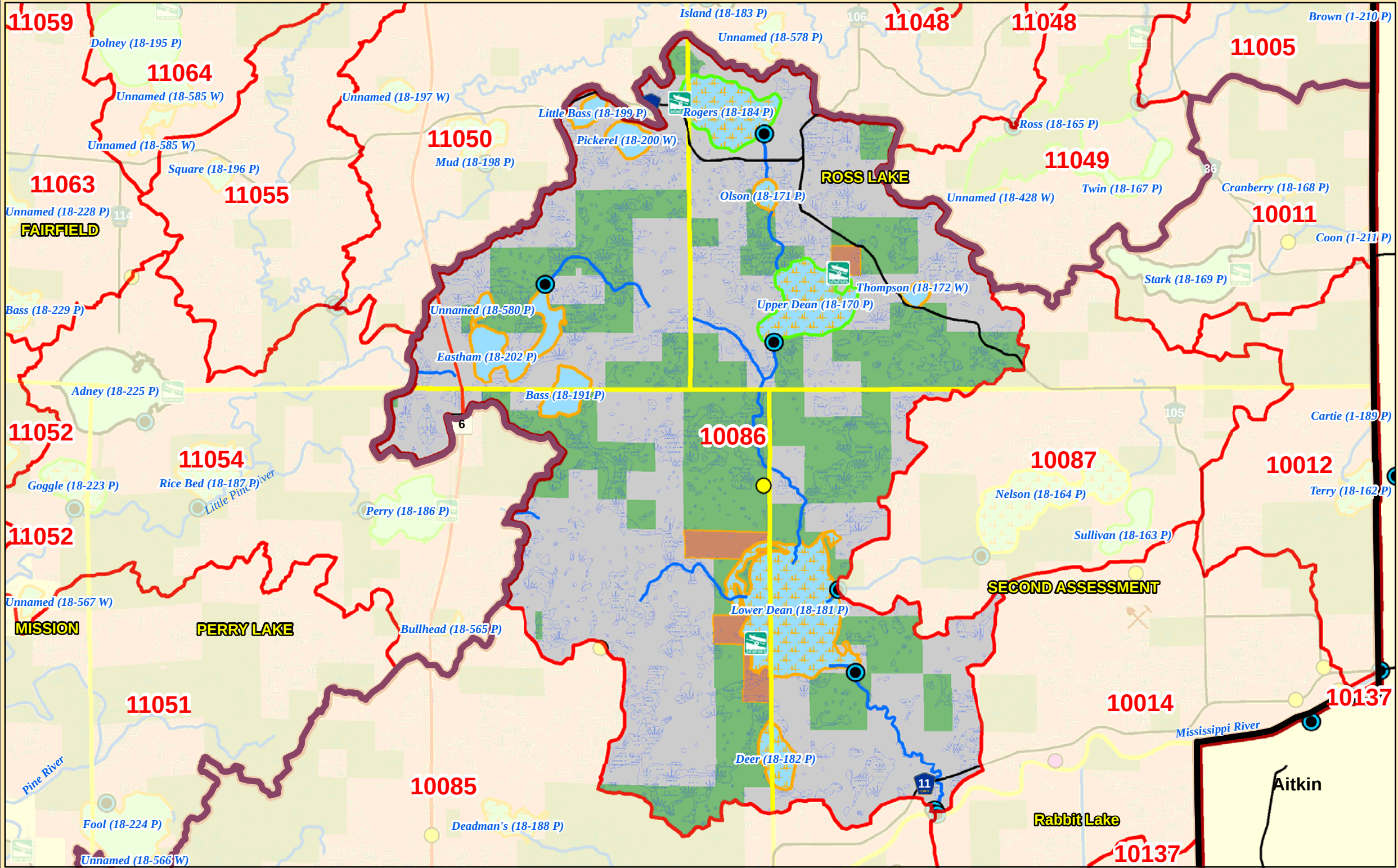
**Mississippi River – Brainerd (56 minor watersheds):**

Part 2:

10086 Dean Bk  
10087 Unknown DNR Minor Watershed Name  
10088 From Black Bear L.  
10089 Rabbit R  
10090 Serpent Cr  
10091 Cedar Bk  
10092 Blackhoof Cr  
10093 Unknown DNR Minor Watershed Name  
10094 Unknown DNR Minor Watershed Name  
10095 Sand Cr  
10096 Hay Cr  
10097 Unknown DNR Minor Watershed Name  
10098 Sand Cr  
10099 Whiteley Cr  
10100 Little Buffalo Cr  
10101 Buffalo Cr  
10102 Unknown DNR Minor Watershed Name







| Minor Watershed #                                        | 10086                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 23                           |
| Population 2010<br>(persons per sq. mile)                | 6                            |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 1                            |
| Surficial Geology                                        | Glacial Till                 |
| % Slope (avg.)                                           | 11                           |
| % Forested (private)                                     | 25                           |
| % Disturbed Land Cover                                   | 14                           |
| % Developed                                              | 2                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 150                          |
| Biological Diversity                                     | High                         |
| % Public Land                                            | 37                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 11                           |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 17                           |
| % Protected                                              | 65                           |
| Assigned Risk Level                                      | Protection                   |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        | x                            |
| Ecological Sensitive Areas                               | x                            |
| Bluffs & Steep Slopes                                    |                              |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     |                              |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           | x                            |
| Wellhead Protection                                      |                              |

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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0

1.25

2.5

Miles

N

W

E

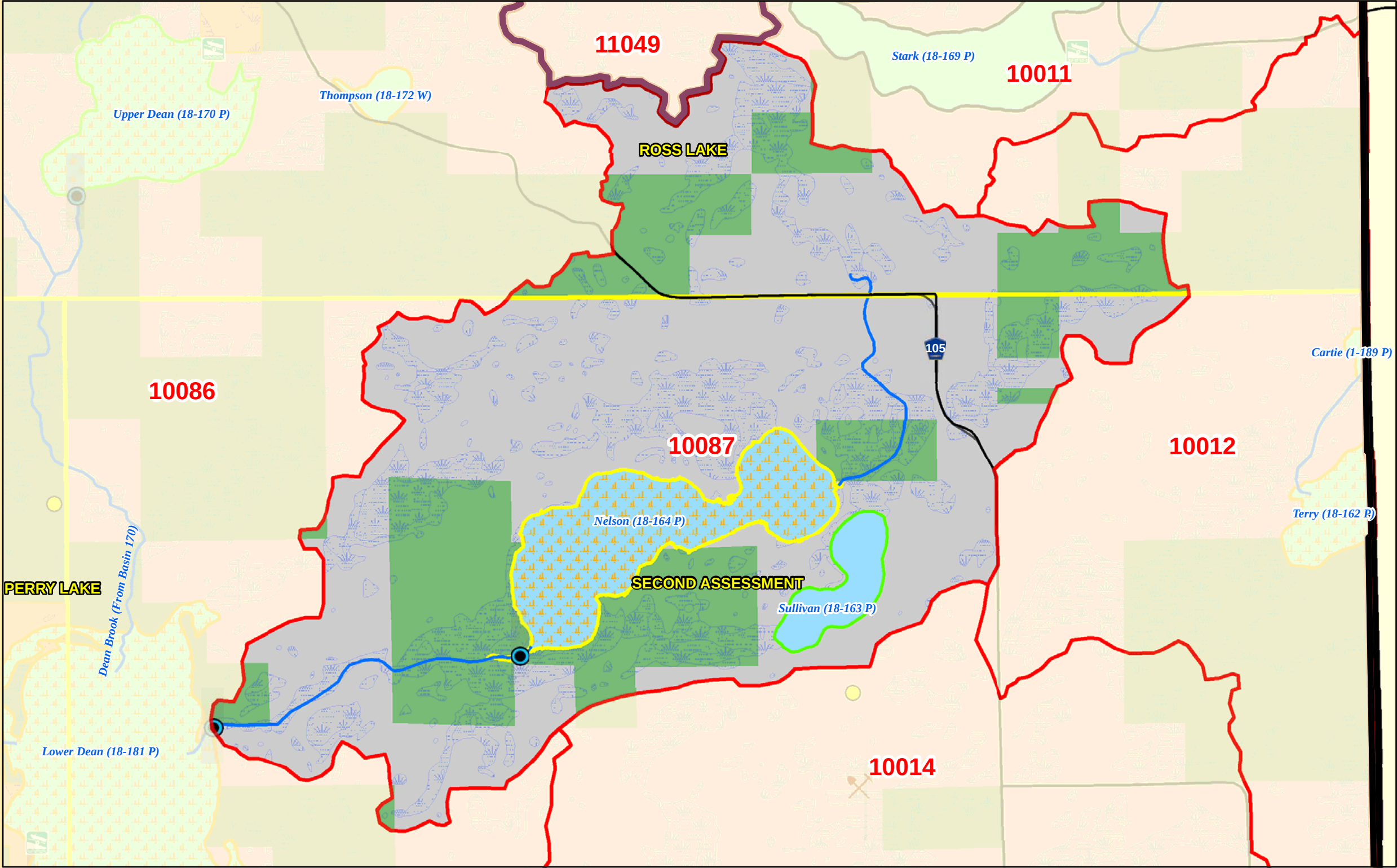
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Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





|                                                          |                              |
|----------------------------------------------------------|------------------------------|
| Minor Watershed #                                        | 10087                        |
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 6                            |
| Population 2010<br>(persons per sq. mile)                | 6                            |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 2                            |
| Surficial Geology                                        | Glacial Till                 |
| % Slope (avg.)                                           | 10                           |
| % Forested (private)                                     | 36                           |
| % Disturbed Land Cover                                   | 8                            |
| % Developed                                              | 2                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | High                         |
| % Public Land                                            | 20                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 10                           |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 17                           |
| % Protected                                              | 47                           |
| Assigned Risk Level                                      | Vigilance                    |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               | x                            |
| Bluffs & Steep Slopes                                    |                              |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     |                              |
| Private Forest Stewardship                               | x                            |
| Ground Water                                             |                              |
| Septic Systems                                           |                              |
| Wellhead Protection                                      |                              |

Public Waterworks

Water Use: Air Conditioning

Water Use: Industrial Processing

Irrigation: Crop

Irrigation: Non Crop

Water Use: Special Categories

Drinking Water Source Protection Areas

Wellhead 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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds

0

0.5

1

Miles

N

E

S

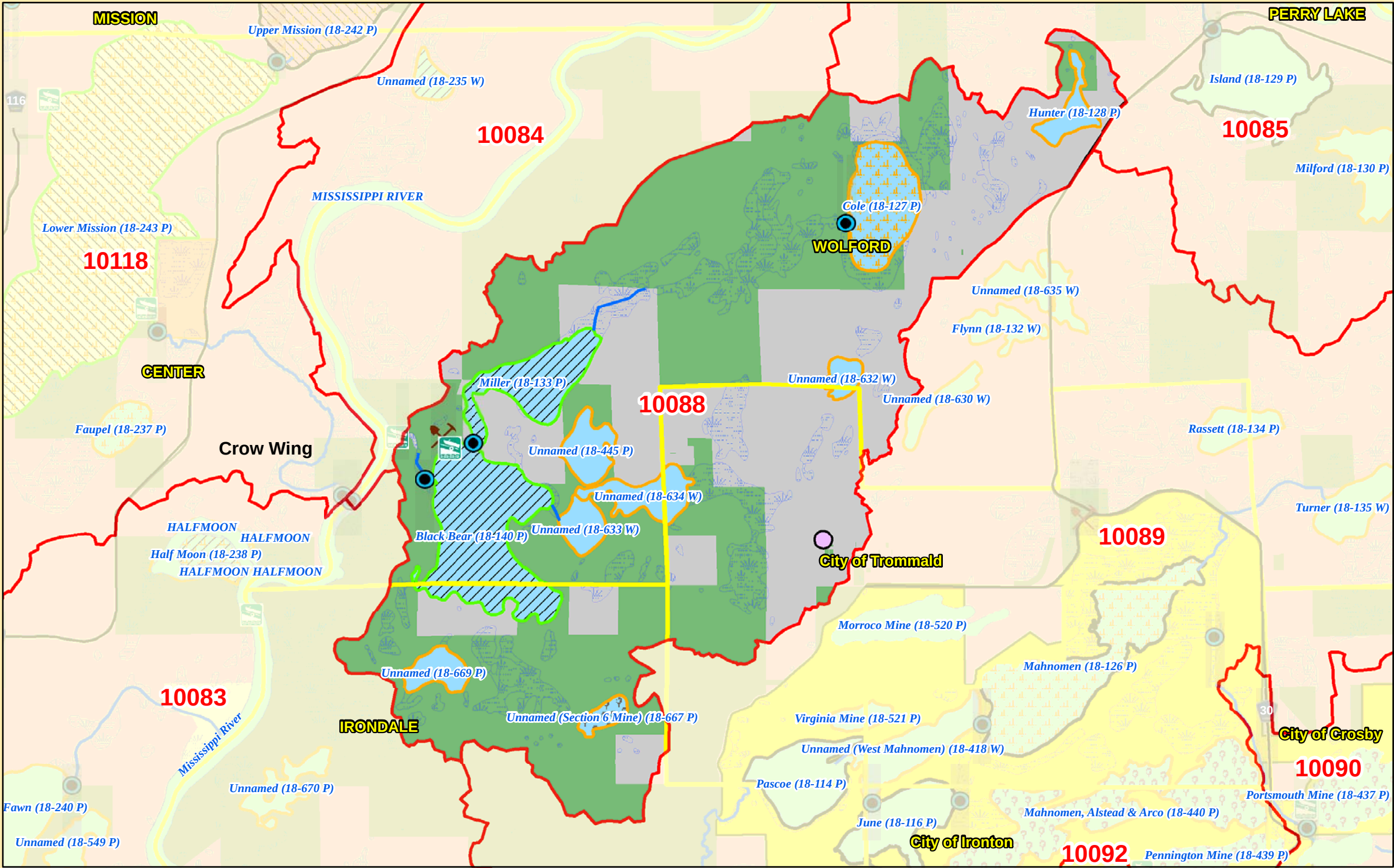
W

Land Services

CROW WING COUNTY

BRainerd, WInesota 56401





| Minor Watershed #                                        | 10088                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 7                            |
| Population 2010<br>(persons per sq. mile)                | 12                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | -2                           |
| Surficial Geology                                        | Mixed                        |
| % Slope (avg.)                                           | 14                           |
| % Forested (private)                                     | 28                           |
| % Disturbed Land Cover                                   | 4                            |
| % Developed                                              | 1                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | Moderate                     |
| % Public Land                                            | 49                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 15                           |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 4                            |
| % Protected                                              | 69                           |
| Assigned Risk Level                                      | Vigilance                    |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 | x                            |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               | x                            |
| Bluffs & Steep Slopes                                    | x                            |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     |                              |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           | x                            |
| Wellhead Protection                                      | x                            |

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Public Waterworks

★

Water Use: Air Conditioning

■

Water Use: Industrial Processing

⊕

Irrigation: Crop

■

Irrigation: Non Crop

⬠

Water Use: Special Categories

■

Drinking Water Source Protection Areas

■

Wellhead Protection Areas

●

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

—

Streams

—

County Ditches

■

Wetlands (from NWI)

Ⓜ

Cisco

Ⓜ

Cisco and Wild Rice

Ⓜ

Cisco and Trout

Ⓜ

Wild Rice

Ⓜ

Trout

Ⓜ

Infested Lakes

Ⓜ

Milfoil

Ⓜ

Milfoil, Zebra Mussels

Ⓜ

Zebra Mussels

Ⓜ

Milfoil, 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

Ⓜ

Outlets of watersheds / catchments

Ⓜ

Major Watersheds

Ⓜ

Minor Watersheds

0

0.5

1

Miles

N

E

S

W

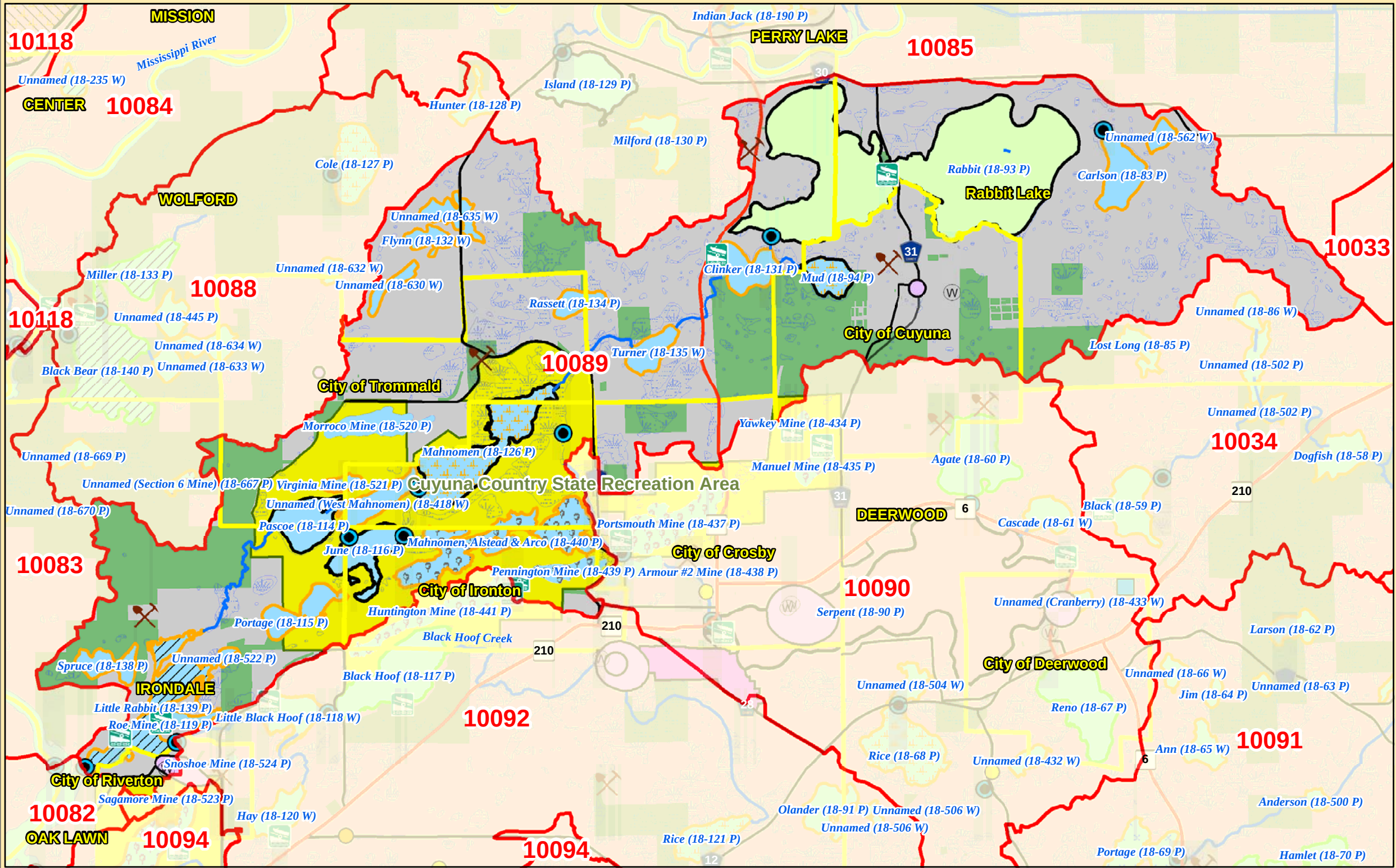
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Environmental Services

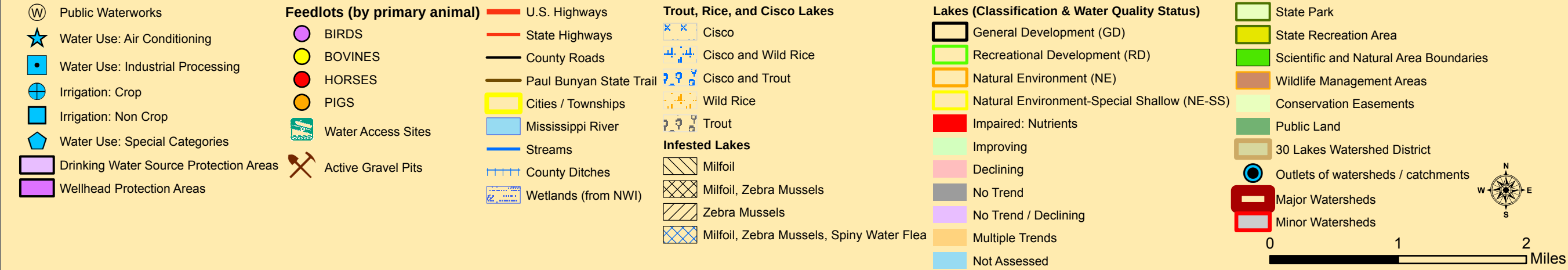
CROW WING COUNTY

BRainerd, WinNEsota 56401

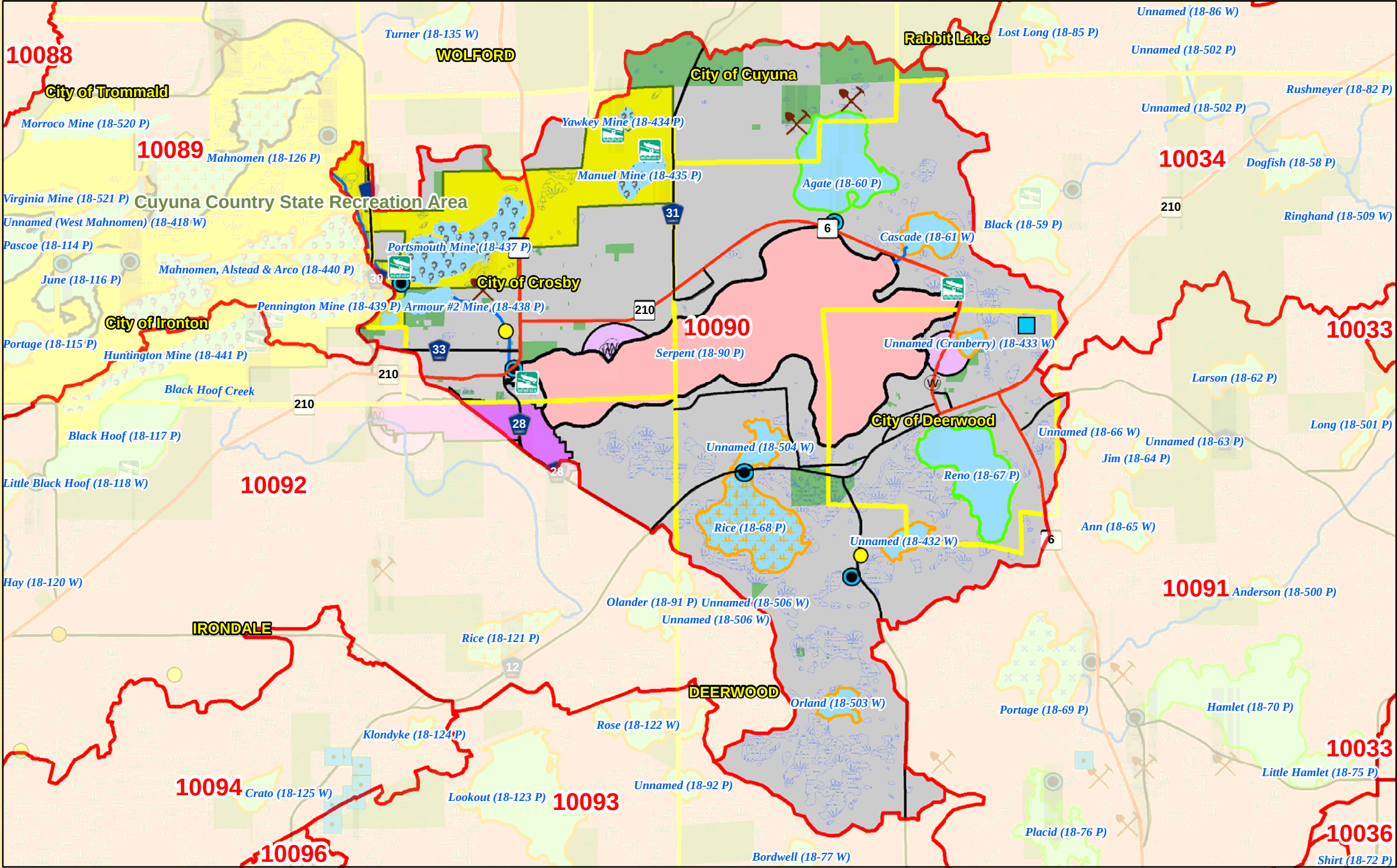




|                                                          |                                           |
|----------------------------------------------------------|-------------------------------------------|
| Minor Watershed #                                        | 10089                                     |
| Major Watershed Name                                     | Mississippi River - Brainerd              |
| Area (sq. miles)                                         | 22                                        |
| Population 2010<br>(persons per sq. mile)                | 41                                        |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 9                                         |
| Surficial Geology                                        | Glacial Till / Outwash<br>(sand & gravel) |
| % Slope (avg.)                                           | 21                                        |
| % Forested (private)                                     | 32                                        |
| % Disturbed Land Cover                                   | 12                                        |
| % Developed                                              | 6                                         |
| Extractive Uses                                          | Moderate                                  |
| # of Animal Units                                        | 0                                         |
| Biological Diversity                                     | Moderate                                  |
| % Public Land                                            | 32                                        |
| % Easements                                              | 0                                         |
| % Lakes                                                  | 21                                        |
| % Streams                                                | 0                                         |
| % Wetlands (private)                                     | 8                                         |
| % Protected                                              | 62                                        |
| Assigned Risk Level                                      | Protection                                |
| Implementation Priorities                                |                                           |
| Top 24 Priority Watershed                                | x                                         |
| Surface Water                                            |                                           |
| Aquatic Invasive Species                                 | x                                         |
| Stormwater                                               | x                                         |
| Shoreline Buffers                                        | x                                         |
| Lake Focus: Recreational Use & Development               | x                                         |
| Lake Focus: Wild Rice / Wildlife                         | x                                         |
| Lake Focus: Fisheries (Trout)                            | x                                         |
| Rivers / Floodplains                                     |                                           |
| Agricultural BMPs                                        |                                           |
| Ecological Sensitive Areas                               | x                                         |
| Bluffs & Steep Slopes                                    | x                                         |
| Public & Private Drainage                                |                                           |
| Development<br>(existing and potential)                  |                                           |
| Private Forest Stewardship                               |                                           |
| Ground Water                                             |                                           |
| Septic Systems                                           | x                                         |
| Wellhead Protection                                      | x                                         |







| Minor Watershed #                                              | 10090                                     |
|----------------------------------------------------------------|-------------------------------------------|
| Major Watershed Name                                           | Mississippi River - Brainerd              |
| Area (sq. miles)                                               | 13                                        |
| Population 2010<br>(persons per sq. mile)                      | 315                                       |
| Population Change 2000 to 2010<br>(persons per sq. mile)       | -8                                        |
| Surficial Geology                                              | Glacial Till / Outwash<br>(sand & gravel) |
| % Slope (avg.)                                                 | 14                                        |
| % Forested (private)                                           | 24                                        |
| % Disturbed Land Cover                                         | 29                                        |
| % Developed                                                    | 19                                        |
| Extractive Uses                                                | Moderate                                  |
| # of Animal Units                                              | 265                                       |
| Biological Diversity                                           | Partially Moderate                        |
| % Public Land                                                  | 10                                        |
| % Easements                                                    | 0                                         |
| % Lakes                                                        | 24                                        |
| % Streams                                                      | 0                                         |
| % Wetlands (private)                                           | 9                                         |
| % Protected                                                    | 43                                        |
| Assigned Risk Level                                            | Enhance                                   |
| Implementation Priorities                                      |                                           |
| Top 24 Priority Watershed                                      |                                           |
| Surface Water                                                  |                                           |
| Aquatic Invasive Species                                       |                                           |
| Stormwater                                                     | x                                         |
| Shoreline Buffers                                              | x                                         |
| Lake Focus: Recreational Use & Development                     | x                                         |
| Lake Focus: Wild Rice / Wildlife                               | x                                         |
| Lake Focus: Fisheries (Trout)                                  | x                                         |
| Rivers / Floodplains                                           |                                           |
| Agricultural BMPs                                              | x                                         |
| Ecological Sensitive Areas                                     |                                           |
| Bluffs & Steep Slopes                                          | x                                         |
| Public & Private Drainage Development (existing and potential) | x                                         |
| Private Forest Stewardship                                     |                                           |
| Ground Water                                                   |                                           |
| Septic Systems                                                 | x                                         |
| Wellhead Protection                                            | x                                         |

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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0

0.75

1.5

Miles

N

W

E

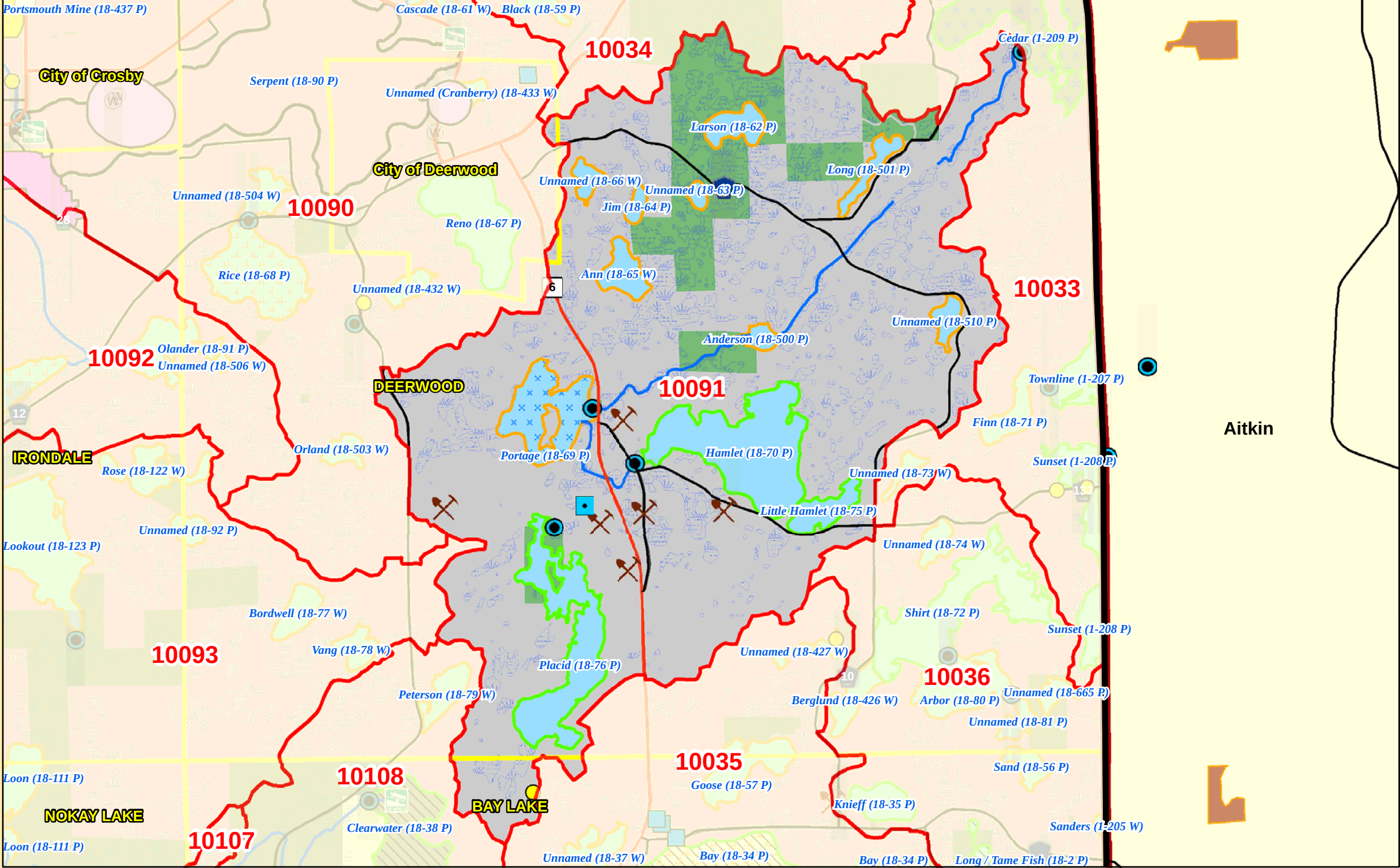
S

Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





| Minor Watershed #                                        | 10091                                     |
|----------------------------------------------------------|-------------------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd              |
| Area (sq. miles)                                         | 12                                        |
| Population 2010<br>(persons per sq. mile)                | 29                                        |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 2                                         |
| Surficial Geology                                        | Glacial Till / Outwash<br>(sand & gravel) |
| % Slope (avg.)                                           | 18                                        |
| % Forested (private)                                     | 34                                        |
| % Disturbed Land Cover                                   | 16                                        |
| % Developed                                              | 5                                         |
| Extractive Uses                                          | High                                      |
| # of Animal Units                                        | 50                                        |
| Biological Diversity                                     | Partially High                            |
| % Public Land                                            | 14                                        |
| % Easements                                              | 0                                         |
| % Lakes                                                  | 13                                        |
| % Streams                                                | 0                                         |
| % Wetlands (private)                                     | 14                                        |
| % Protected                                              | 41                                        |
| Assigned Risk Level                                      | Protection                                |
| Implementation Priorities                                |                                           |
| Top 24 Priority Watershed                                |                                           |
| Surface Water                                            |                                           |
| Aquatic Invasive Species                                 |                                           |
| Stormwater                                               | x                                         |
| Shoreline Buffers                                        | x                                         |
| Lake Focus: Recreational Use & Development               | x                                         |
| Lake Focus: Wild Rice / Wildlife                         |                                           |
| Lake Focus: Fisheries (Cisco)                            | x                                         |
| Rivers / Floodplains                                     |                                           |
| Agricultural BMPs                                        |                                           |
| Ecological Sensitive Areas                               | x                                         |
| Bluffs & Steep Slopes                                    | x                                         |
| Public & Private Drainage                                |                                           |
| Development<br>(existing and potential)                  |                                           |
| Private Forest Stewardship                               | x                                         |
| Ground Water                                             |                                           |
| Septic Systems                                           | x                                         |
| Wellhead Protection                                      |                                           |

Public Waterworks

Water Use: Air Conditioning

Water Use: Industrial Processing

Irrigation: Crop

Irrigation: Non Crop

Water Use: Special Categories

Drinking Water Source Protection Areas

Wellhead 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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

30 Lakes Watershed District

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds

0

0.75

1.5

Miles

N

E

S

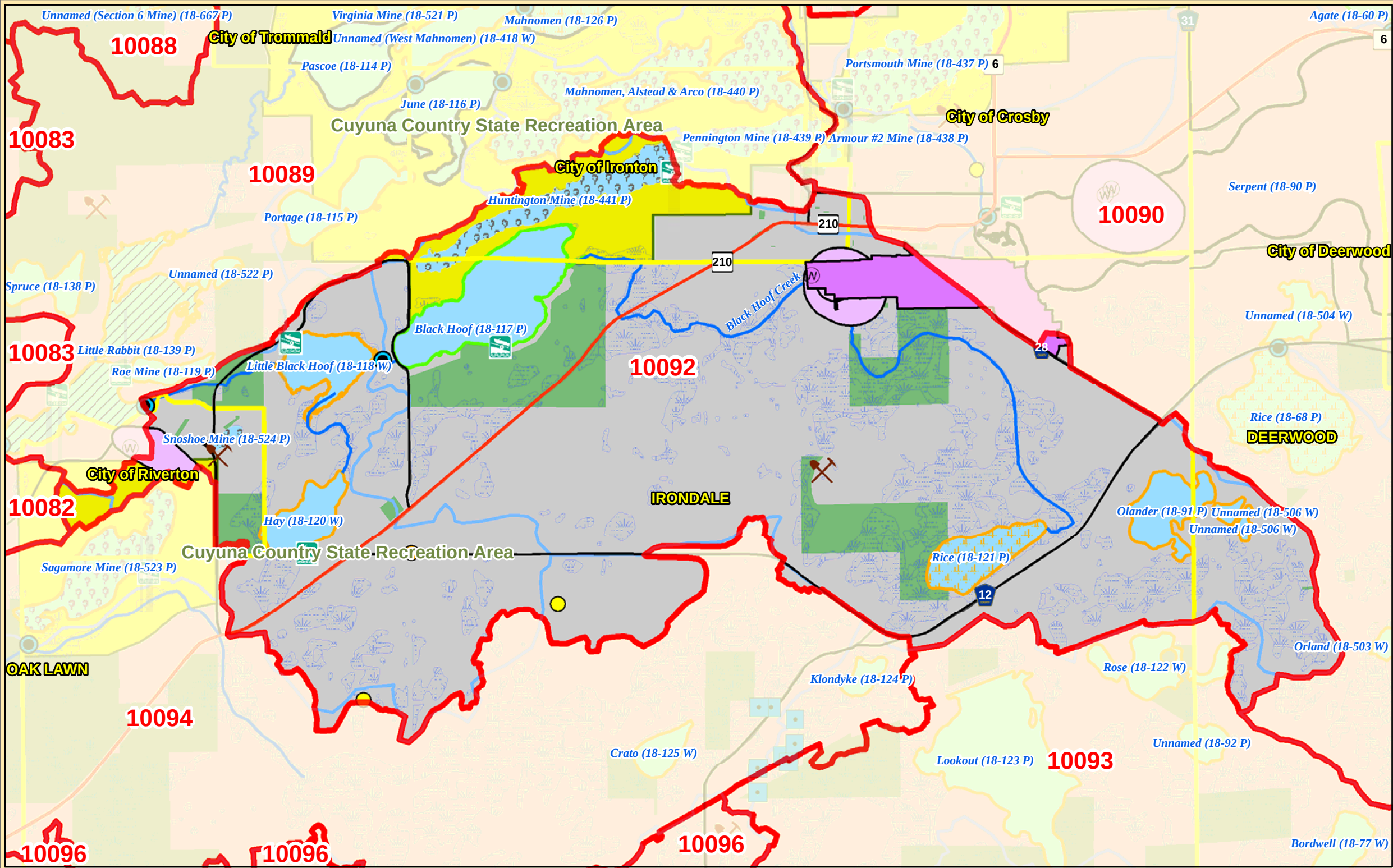
W

Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





| Minor Watershed #                                        | 10092                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 10                           |
| Population 2010<br>(persons per sq. mile)                | 121                          |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 6                            |
| Surficial Geology                                        | Outwash (sand & gravel)      |
| % Slope (avg.)                                           | 13                           |
| % Forested (private)                                     | 31                           |
| % Disturbed Land Cover                                   | 30                           |
| % Developed                                              | 10                           |
| Extractive Uses                                          | Moderate                     |
| # of Animal Units                                        | 78                           |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 11                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 9                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 16                           |
| % Protected                                              | 36                           |
| Assigned Risk Level                                      | Protection                   |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                | x                            |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         | x                            |
| Lake Focus: Fisheries (Trout)                            | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        | x                            |
| Ecological Sensitive Areas                               |                              |
| Bluffs & Steep Slopes                                    | x                            |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     | x                            |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           | x                            |
| Wellhead Protection                                      | x                            |

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

U.S. Highways

State Highways

County Roads

Paul Bunyan State Trail

Cities / Townships

Mississippi River

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, Zebra Mussels, Spiny Water Flea

Lakes (Classification & Water Quality Status)

GD

RD

NE

NE-SP

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

30 Lakes Watershed District

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds

0

0.75

1.5

Miles

W

N

E

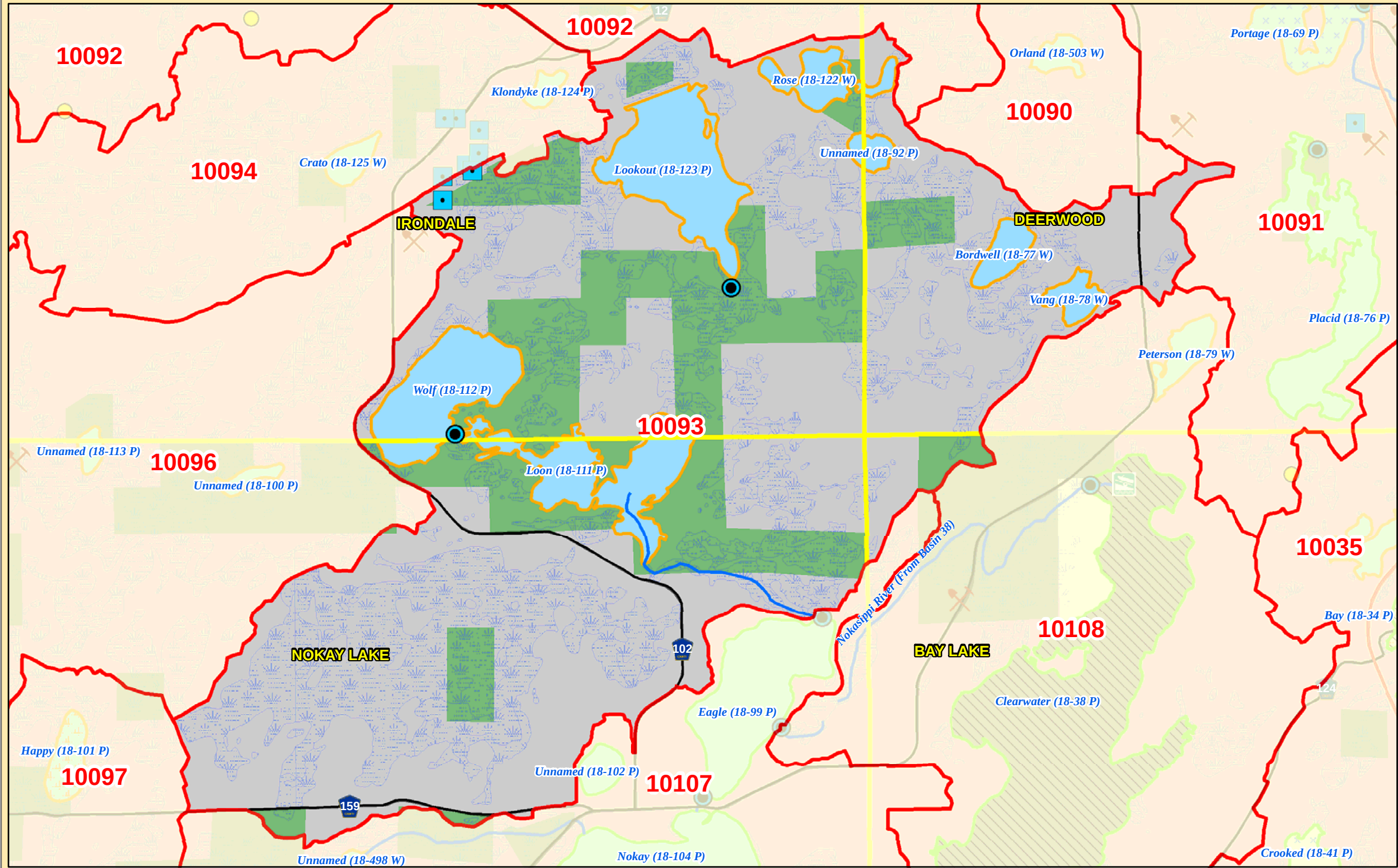
S

Land Services

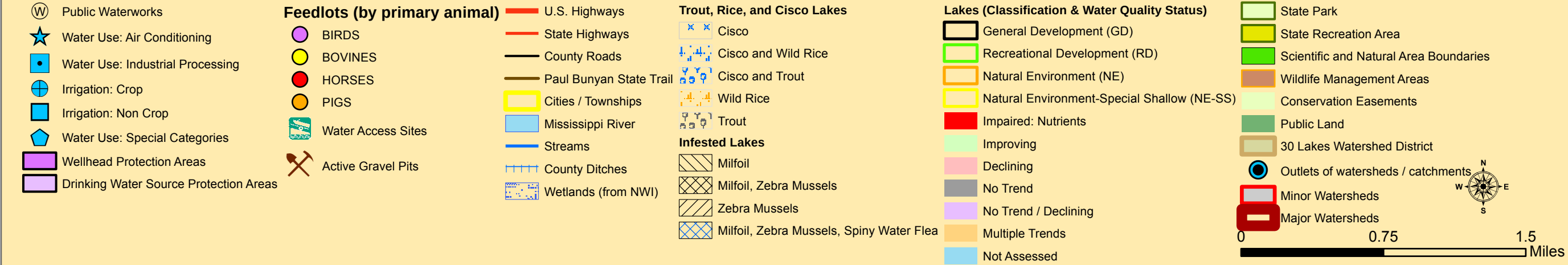
CROW WING COUNTY

BRainerd, MINNESOTA 56401

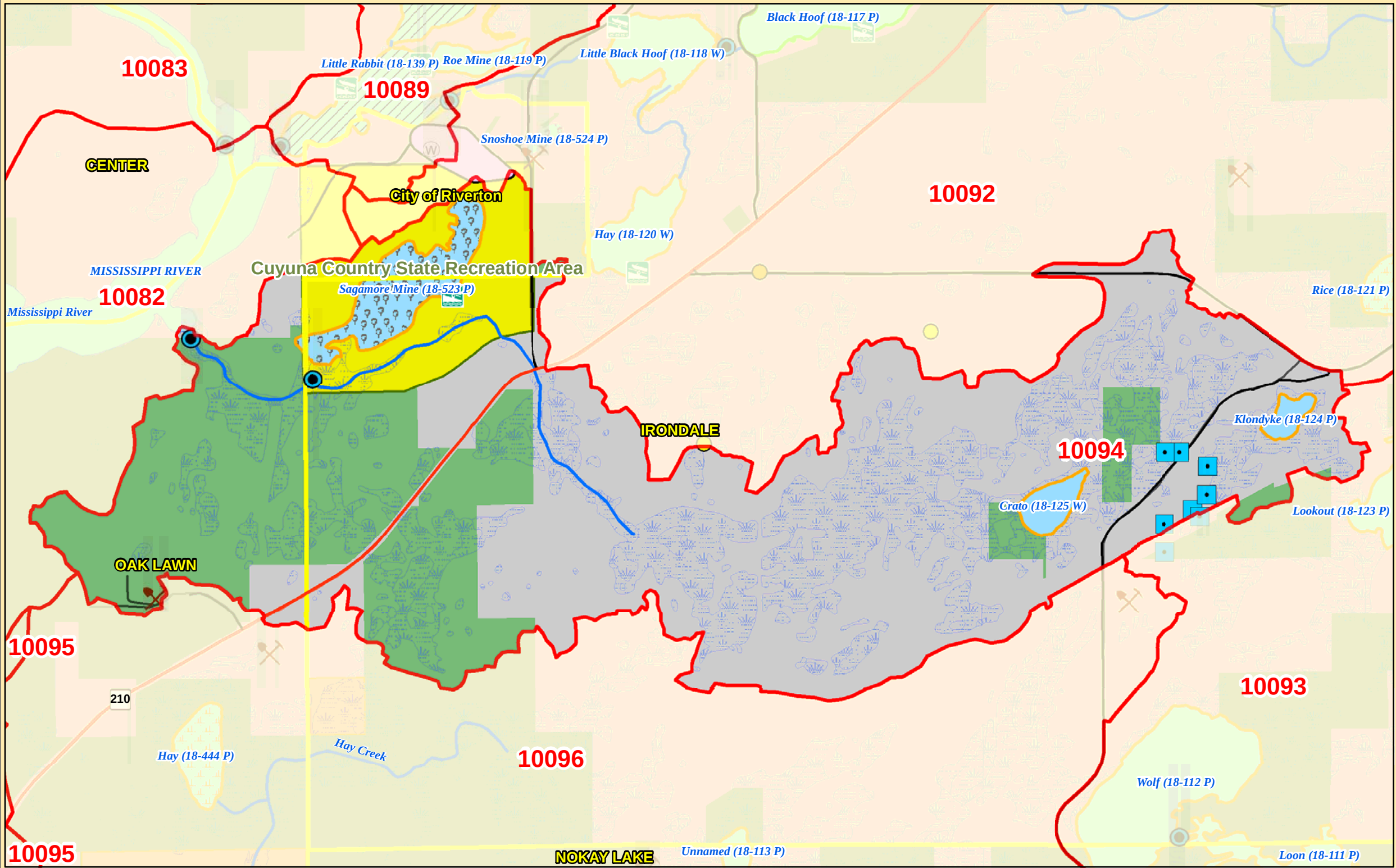




| Minor Watershed #                                        | 10093                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 12                           |
| Population 2010<br>(persons per sq. mile)                | 13                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 1                            |
| Surficial Geology                                        | Outwash (sand & gravel)      |
| % Slope (avg.)                                           | 9                            |
| % Forested (private)                                     | 32                           |
| % Disturbed Land Cover                                   | 12                           |
| % Developed                                              | 2                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | High                         |
| % Public Land                                            | 28                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 11                           |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 25                           |
| % Protected                                              | 64                           |
| Assigned Risk Level                                      | Protection                   |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               |                              |
| Bluffs & Steep Slopes                                    |                              |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     |                              |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           | x                            |
| Wellhead Protection                                      |                              |







| Minor Watershed #                                        | 10094                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 7                            |
| Population 2010<br>(persons per sq. mile)                | 14                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 1                            |
| Surficial Geology                                        | Outwash (sand & gravel)      |
| % Slope (avg.)                                           | 12                           |
| % Forested (private)                                     | 23                           |
| % Disturbed Land Cover                                   | 17                           |
| % Developed                                              | 3                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 41                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 4                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 20                           |
| % Protected                                              | 65                           |
| Assigned Risk Level                                      | Vigilance                    |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        |                              |
| Lake Focus: Recreational Use & Development               | x                            |
| Lake Focus: Wild Rice / Wildlife                         |                              |
| Lake Focus: Fisheries (Trout)                            | x                            |
| Rivers / Floodplains                                     |                              |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               |                              |
| Bluffs & Steep Slopes                                    | x                            |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     |                              |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           | x                            |
| Wellhead Protection                                      |                              |

Public Waterworks

Water Use: Air Conditioning

Water Use: Industrial Processing

Irrigation: Crop

Irrigation: Non Crop

Water Use: Special Categories

Drinking Water Source Protection Areas

Wellhead 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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds

0

0.5

1

Miles

N

E

S

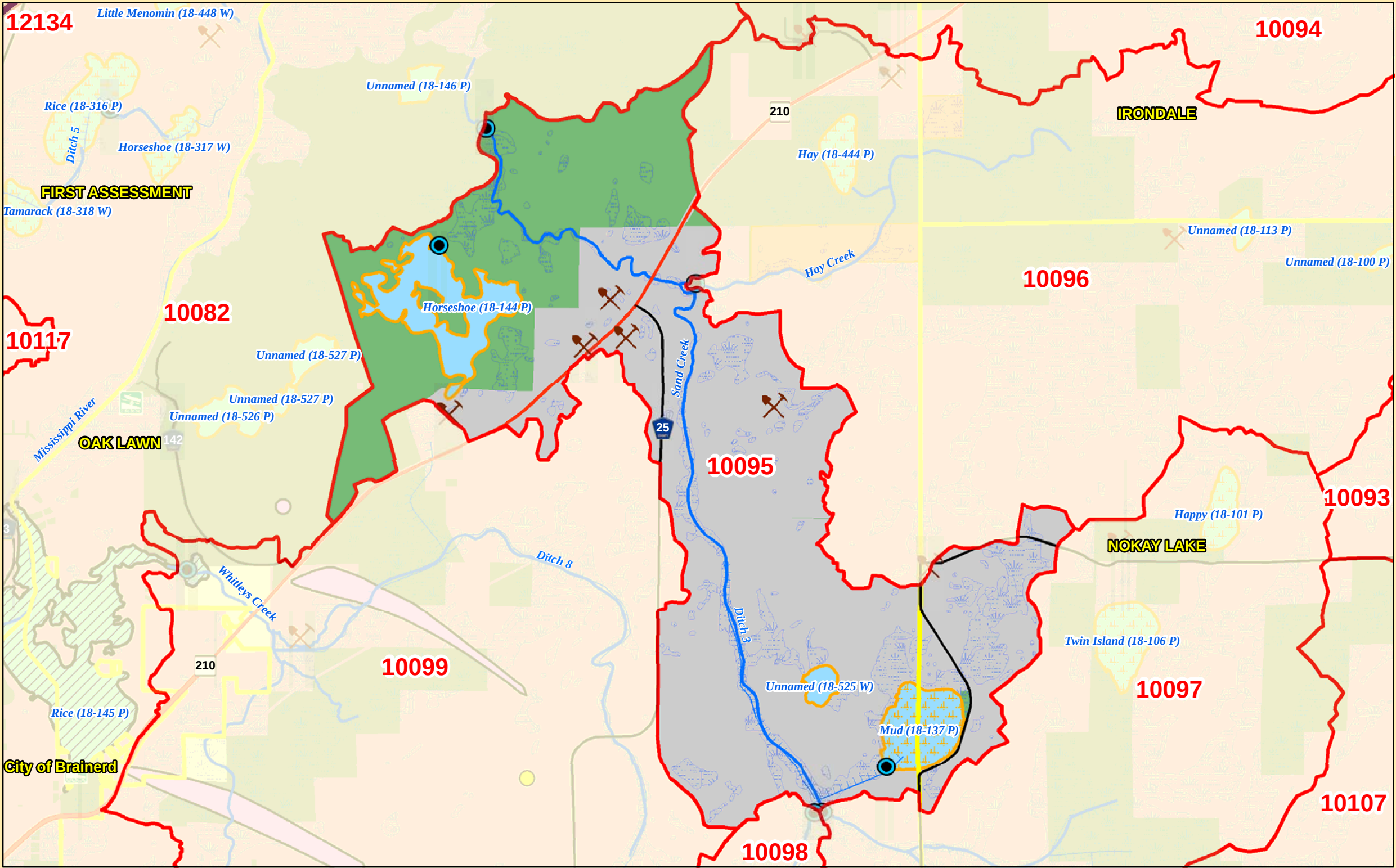
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Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





| Minor Watershed #                                        | 10095                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 7                            |
| Population 2010<br>(persons per sq. mile)                | 37                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 8                            |
| Surficial Geology                                        | Outwash (sand & gravel)      |
| % Slope (avg.)                                           | 10                           |
| % Forested (private)                                     | 34                           |
| % Disturbed Land Cover                                   | 26                           |
| % Developed                                              | 6                            |
| Extractive Uses                                          | High                         |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 26                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 7                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 12                           |
| % Protected                                              | 45                           |
| Assigned Risk Level                                      | Enhance / Protection         |

| Implementation Priorities                  |  |   |
|--------------------------------------------|--|---|
| Top 24 Priority Watershed                  |  |   |
| Surface Water                              |  |   |
| Aquatic Invasive Species                   |  |   |
| Stormwater                                 |  | x |
| Shoreline Buffers                          |  | x |
| Lake Focus: Recreational Use & Development |  | x |
| Lake Focus: Wild Rice / Wildlife           |  | x |
| Stream Focus: Fisheries (Trout)            |  | x |
| Rivers / Floodplains                       |  | x |
| Agricultural BMPs                          |  |   |
| Ecological Sensitive Areas                 |  |   |
| Bluffs & Steep Slopes                      |  |   |
| Public & Private Drainage                  |  |   |
| Development (existing and potential)       |  |   |
| Private Forest Stewardship                 |  | x |
| Ground Water                               |  |   |
| Septic Systems                             |  | x |
| Wellhead Protection                        |  |   |

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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

Scale: 0, 0.75, 1.5 Miles

North Arrow

Land Services

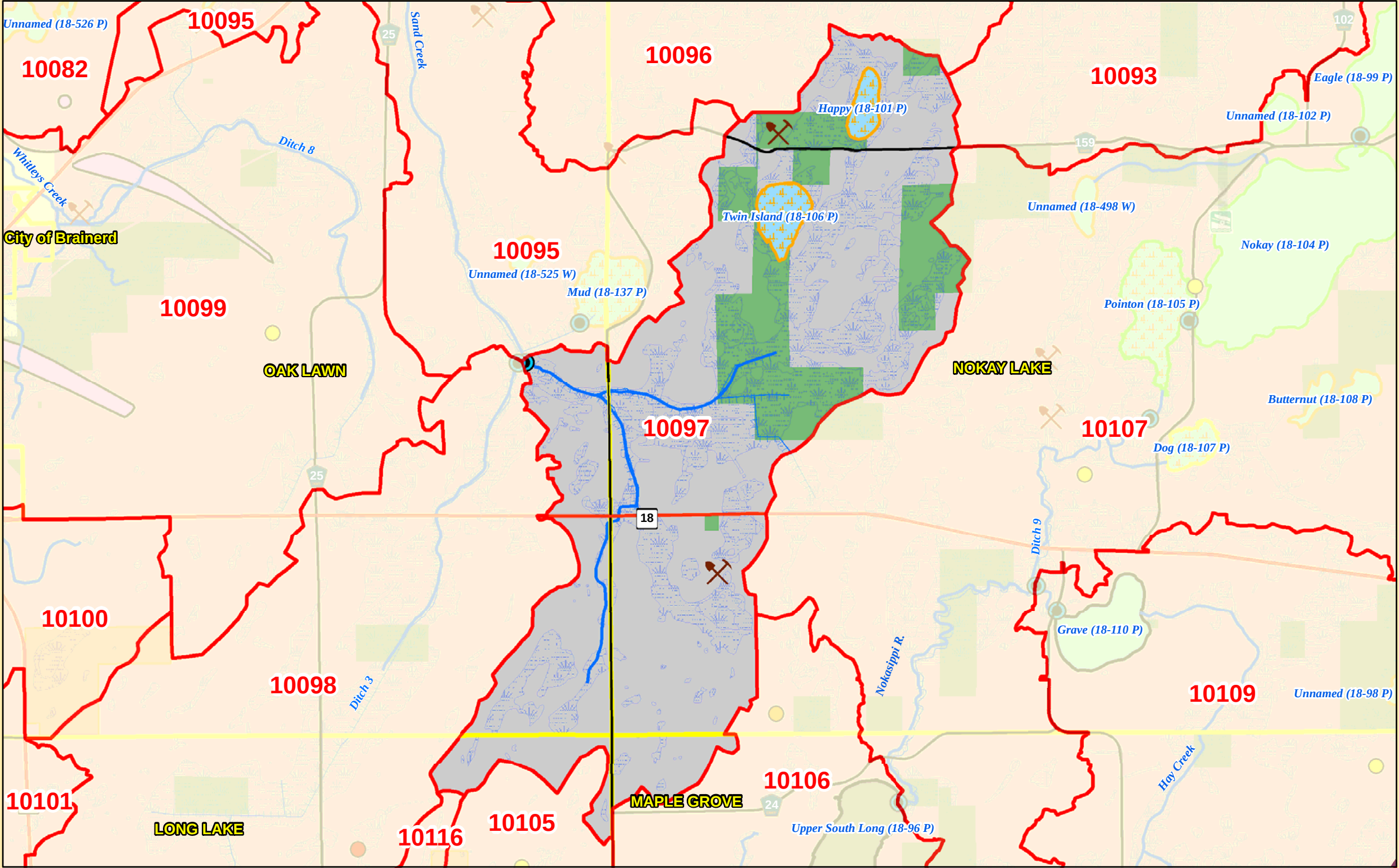
CROW WING COUNTY

BRainerd, MINNESOTA 56401









| Minor Watershed #                                        | 10097                                     |
|----------------------------------------------------------|-------------------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd              |
| Area (sq. miles)                                         | 9                                         |
| Population 2010<br>(persons per sq. mile)                | 26                                        |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 8                                         |
| Surficial Geology                                        | Glacial Till / Outwash<br>(sand & gravel) |
| % Slope (avg.)                                           | 5                                         |
| % Forested (private)                                     | 23                                        |
| % Disturbed Land Cover                                   | 36                                        |
| % Developed                                              | 3                                         |
| Extractive Uses                                          | Moderate                                  |
| # of Animal Units                                        | 0                                         |
| Biological Diversity                                     | Partially High                            |
| % Public Land                                            | 17                                        |
| % Easements                                              | 0                                         |
| % Lakes                                                  | 2                                         |
| % Streams                                                | 0                                         |
| % Wetlands (private)                                     | 35                                        |
| % Protected                                              | 55                                        |
| Assigned Risk Level                                      | Protection                                |
| Implementation Priorities                                |                                           |
| Top 24 Priority Watershed                                |                                           |
| Surface Water                                            |                                           |
| Aquatic Invasive Species                                 |                                           |
| Stormwater                                               | x                                         |
| Shoreline Buffers                                        | x                                         |
| Lake Focus: Recreational Use & Development               | x                                         |
| Lake Focus: Wild Rice / Wildlife                         | x                                         |
| Rivers / Floodplains                                     |                                           |
| Agricultural BMPs                                        |                                           |
| Ecological Sensitive Areas                               | x                                         |
| Bluffs & Steep Slopes                                    |                                           |
| Public & Private Drainage                                |                                           |
| Development<br>(existing and potential)                  |                                           |
| Private Forest Stewardship                               |                                           |
| Ground Water                                             |                                           |
| Septic Systems                                           | x                                         |
| Wellhead Protection                                      |                                           |

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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0

0.75

1.5

Miles

N

W

E

S

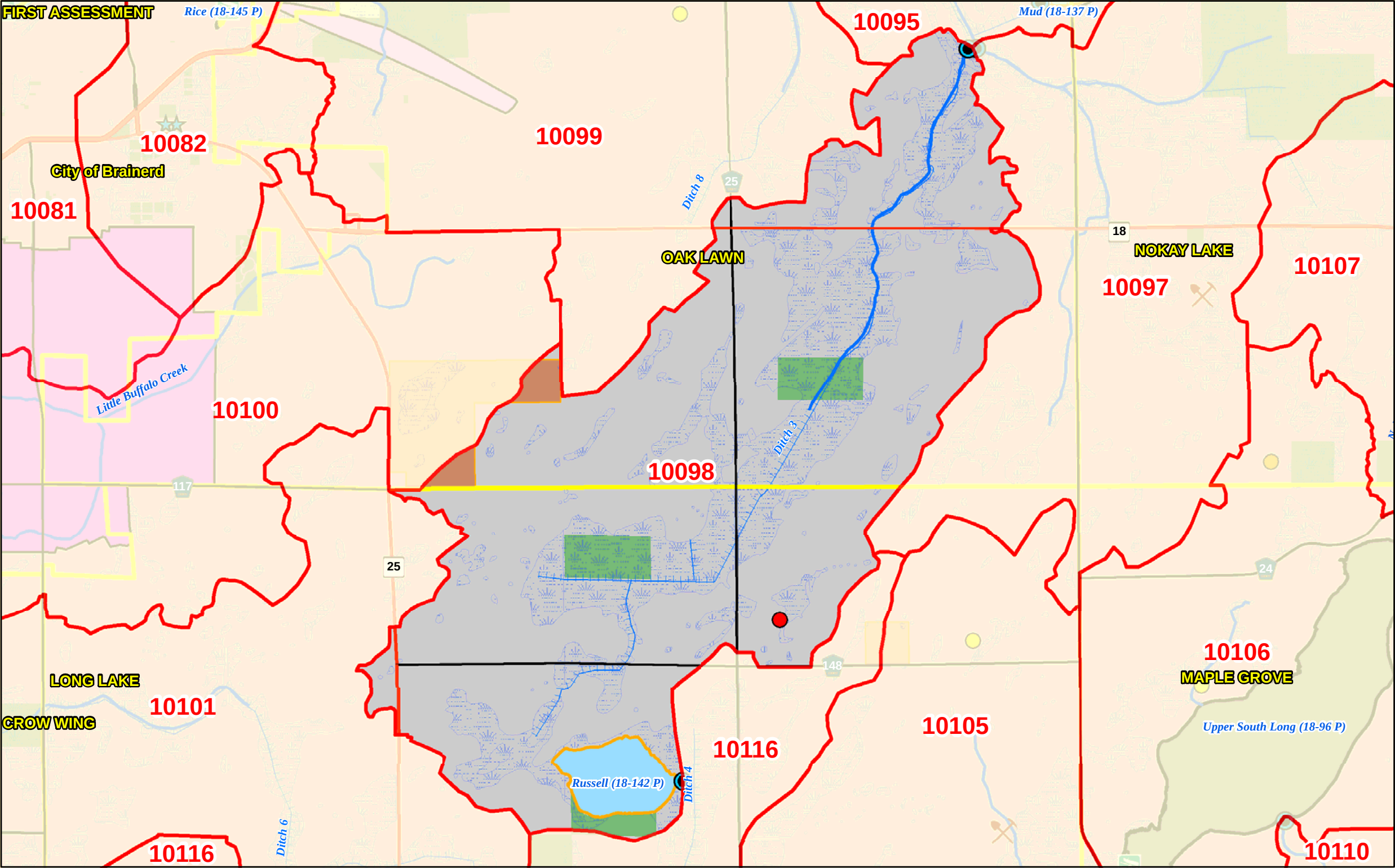


Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





|                                                          |                              |
|----------------------------------------------------------|------------------------------|
| Minor Watershed #                                        | 10098                        |
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 8                            |
| Population 2010<br>(persons per sq. mile)                | 32                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 4                            |
| Surficial Geology                                        | Till, drumlinized            |
| % Slope (avg.)                                           | 5                            |
| % Forested (private)                                     | 17                           |
| % Disturbed Land Cover                                   | 47                           |
| % Developed                                              | 5                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 5                            |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 7                            |
| % Easements                                              | 0                            |
| % Lakes                                                  | 3                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 51                           |
| % Protected                                              | 61                           |
| Assigned Risk Level                                      | 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                                      |                              |

Ⓜ

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

●

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

—

Streams

—

County Ditches

■

Wetlands (from NWI)

Ⓜ

Cisco

Ⓜ

Cisco and Wild Rice

Ⓜ

Cisco and Trout

Ⓜ

Wild Rice

Ⓜ

Trout

Ⓜ

Infested Lakes

Ⓜ

Milfoil

Ⓜ

Milfoil, Zebra Mussels

Ⓜ

Zebra Mussels

Ⓜ

Milfoil, 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

Ⓜ

30 Lakes Watershed District

Ⓜ

Outlets of watersheds / catchments

Ⓜ

Minor Watersheds

Ⓜ

Major Watersheds

0

0.5

1

Miles

Ⓜ

North Arrow

Ⓜ

Land Services

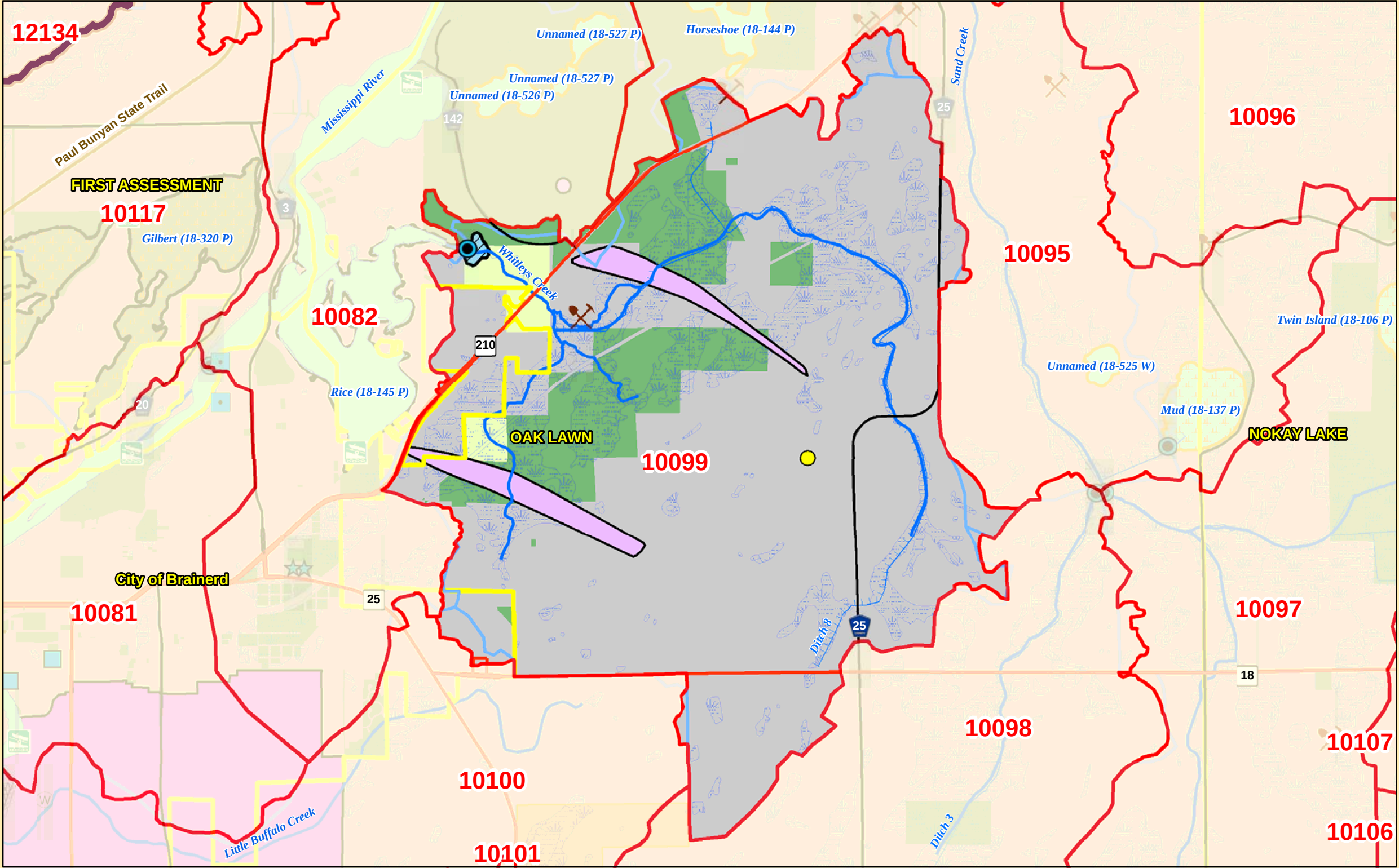
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CROW WING COUNTY

Ⓜ

BRainerd, MINNESOTA 56401





|                                                          |                              |
|----------------------------------------------------------|------------------------------|
| Minor Watershed #                                        | 10099                        |
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 10                           |
| Population 2010<br>(persons per sq. mile)                | 87                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | -4                           |
| Surficial Geology                                        | Till, drumlinized            |
| % Slope (avg.)                                           | 7                            |
| % Forested (private)                                     | 36                           |
| % Disturbed Land Cover                                   | 28                           |
| % Developed                                              | 6                            |
| Extractive Uses                                          | Moderate                     |
| # of Animal Units                                        | 60                           |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 16                           |
| % Easements                                              | 5                            |
| % Lakes                                                  | 0                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 18                           |
| % Protected                                              | 39                           |
| Assigned Risk Level                                      | Enhance / Protection         |

| Implementation Priorities                  |   |
|--------------------------------------------|---|
| Top 24 Priority Watershed                  |   |
| Surface Water                              |   |
| Aquatic Invasive Species                   |   |
| Stormwater                                 | x |
| Shoreline Buffers                          | x |
| Lake Focus: Recreational Use & Development |   |
| Lake Focus: Wild Rice / Wildlife           |   |
| Stream Focus: Fisheries (Trout)            | x |
| Rivers / Floodplains                       | x |
| Agricultural BMPs                          |   |
| Ecological Sensitive Areas                 |   |
| Bluffs & Steep Slopes                      |   |
| Public & Private Drainage                  |   |
| Development (existing and potential)       | x |
| Private Forest Stewardship                 | x |
| Ground Water                               |   |
| Septic Systems                             |   |
| Wellhead Protection                        | x |

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

Streams

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0

0.75

1.5

Miles

N

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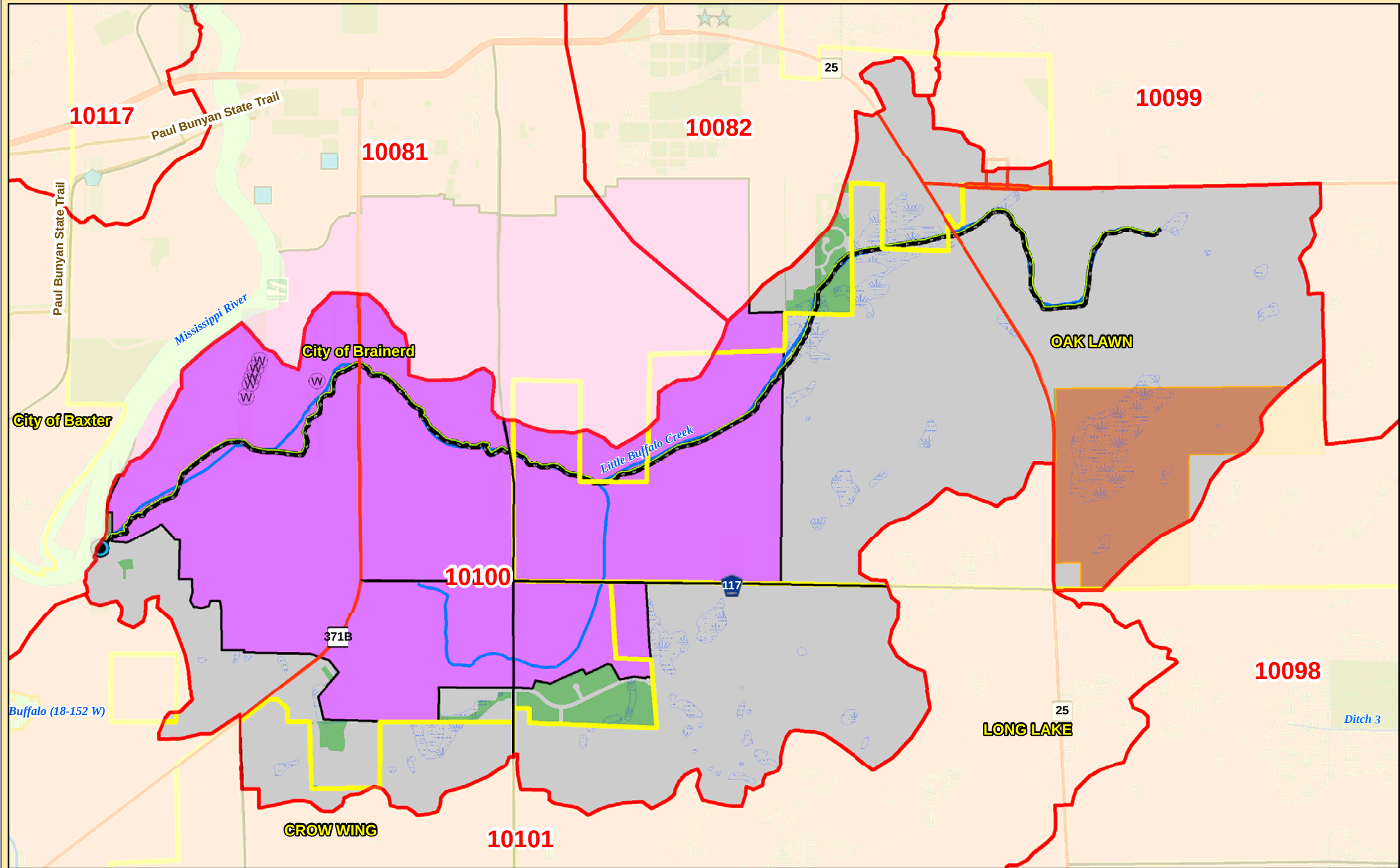
W

Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





|                                                          |                              |
|----------------------------------------------------------|------------------------------|
| Minor Watershed #                                        | 10100                        |
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 7                            |
| Population 2010<br>(persons per sq. mile)                | 370                          |
| Population Change 2000 to 2010<br>(persons per sq. mile) | -13                          |
| Surficial Geology                                        | Till, drumlinized            |
| % Slope (avg.)                                           | 6                            |
| % Forested (private)                                     | 27                           |
| % Disturbed Land Cover                                   | 52                           |
| % Developed                                              | 23                           |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 0                            |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 14                           |
| % Easements                                              | 0                            |
| % Lakes                                                  | 0                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 21                           |
| % Protected                                              | 35                           |
| Assigned Risk Level                                      | Enhance                      |
| 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                                     | x                            |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               |                              |
| Bluffs & Steep Slopes                                    |                              |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     | x                            |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           |                              |
| Wellhead Protection                                      | x                            |

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

Streams

Little Buffalo Cr (impaired)

County Ditches

Wetlands (from NWI)

Trout, Rice, and Cisco Lakes

Cisco

Cisco and Wild Rice

Cisco and Trout

Wild Rice

Trout

Infested Lakes

Milfoil

Milfoil, Zebra Mussels

Zebra Mussels

Milfoil, 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

30 Lakes Watershed District

Outlets of watersheds / catchments

Minor Watersheds

Major Watersheds

0

0.5

1

Miles

N

W

E

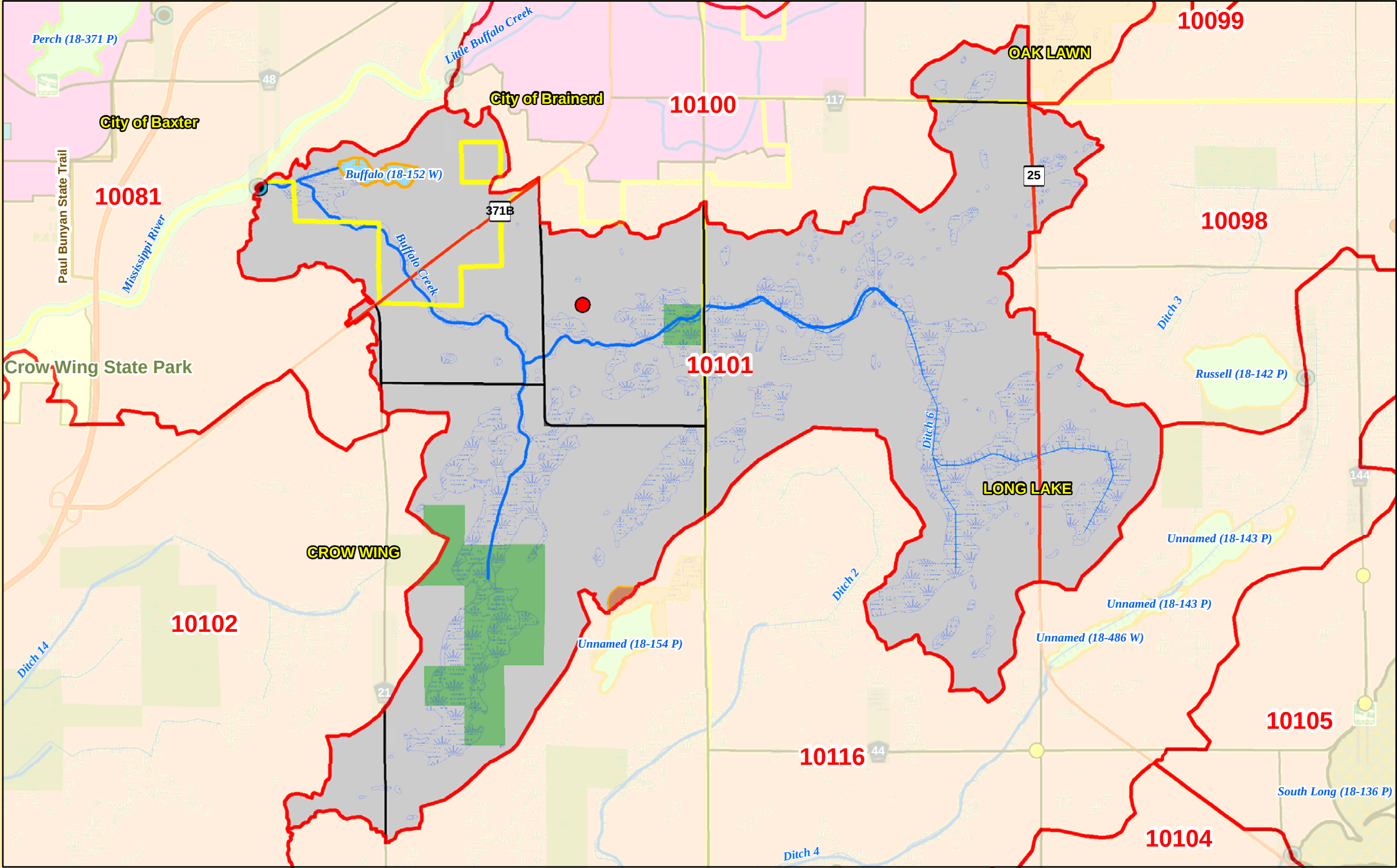
S

Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





| Minor Watershed #                                        | 10101                        |
|----------------------------------------------------------|------------------------------|
| Major Watershed Name                                     | Mississippi River - Brainerd |
| Area (sq. miles)                                         | 12                           |
| Population 2010<br>(persons per sq. mile)                | 68                           |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 26                           |
| Surficial Geology                                        | Till, drumlinized            |
| % Slope (avg.)                                           | 6                            |
| % Forested (private)                                     | 28                           |
| % Disturbed Land Cover                                   | 37                           |
| % Developed                                              | 4                            |
| Extractive Uses                                          | Minimal                      |
| # of Animal Units                                        | 40                           |
| Biological Diversity                                     | Minimal                      |
| % Public Land                                            | 8                            |
| % Easements                                              | 0                            |
| % Lakes                                                  | 0                            |
| % Streams                                                | 0                            |
| % Wetlands (private)                                     | 26                           |
| % Protected                                              | 35                           |
| Assigned Risk Level                                      | Enhance                      |
| Implementation Priorities                                |                              |
| Top 24 Priority Watershed                                |                              |
| Surface Water                                            |                              |
| Aquatic Invasive Species                                 |                              |
| Stormwater                                               | x                            |
| Shoreline Buffers                                        | x                            |
| Lake Focus: Recreational Use & Development               |                              |
| Lake Focus: Wild Rice / Wildlife                         |                              |
| Rivers / Floodplains                                     | x                            |
| Agricultural BMPs                                        |                              |
| Ecological Sensitive Areas                               |                              |
| Bluffs & Steep Slopes                                    |                              |
| Public & Private Drainage                                |                              |
| Development (existing and potential)                     | x                            |
| Private Forest Stewardship                               |                              |
| Ground Water                                             |                              |
| Septic Systems                                           |                              |
| Wellhead Protection                                      |                              |

- W

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

—

Streams

—

County Ditches

■

Wetlands (from NWI)
- Trout, Rice, and Cisco Lakes

■

Cisco

■

Cisco and Wild Rice

■

Cisco and Trout

■

Wild Rice

■

Trout

Infested Lakes

■

Milfoil

■

Milfoil, Zebra Mussels

■

Zebra Mussels

■

Milfoil, 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

■

30 Lakes Watershed District

●

Outlets of watersheds / catchments

■

Minor Watersheds

■

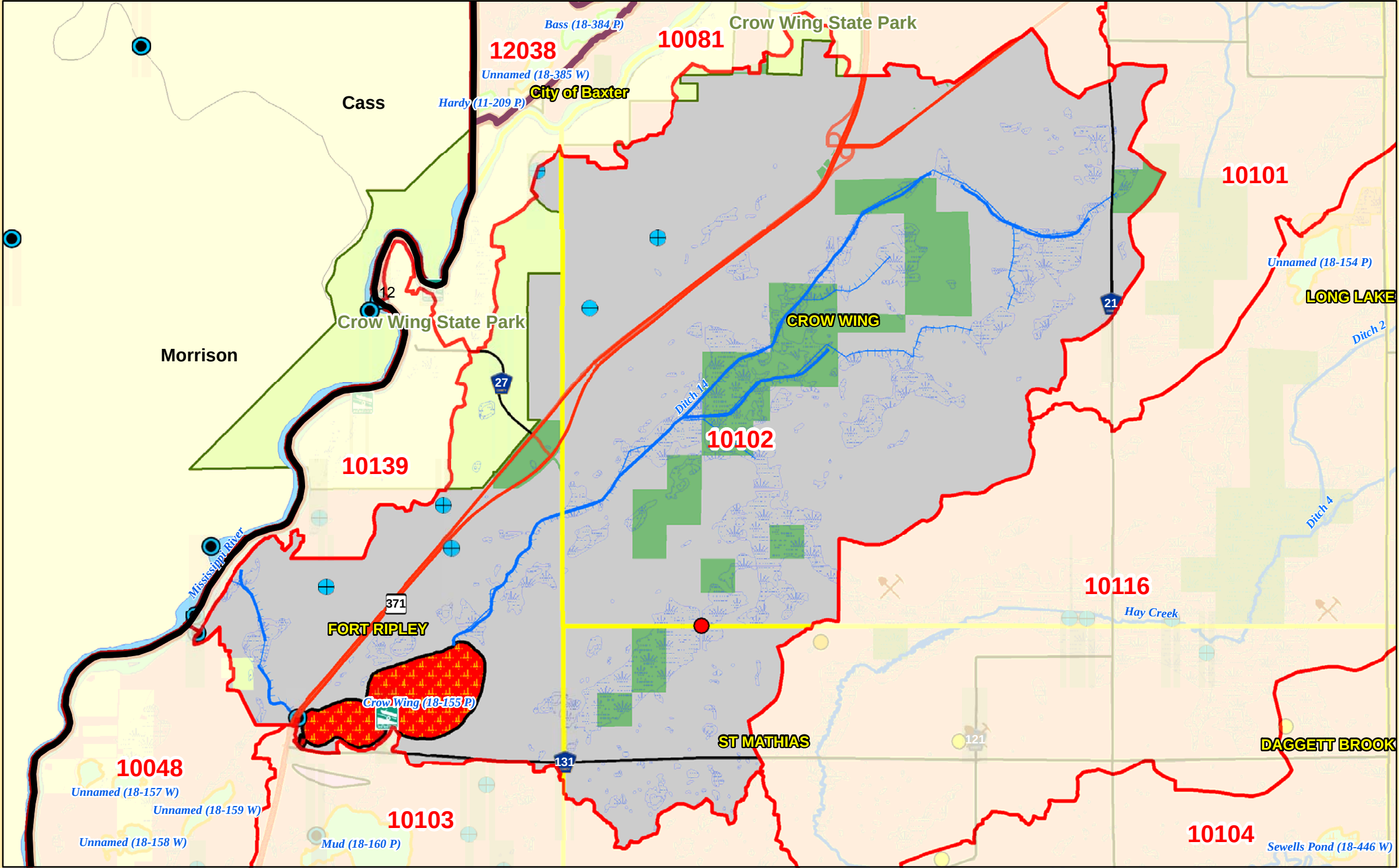
Major Watersheds

Land Services

CROW WING COUNTY

BRainerd, MINNESOTA 56401





|                                                          |                                                  |
|----------------------------------------------------------|--------------------------------------------------|
| Minor Watershed #                                        | 10102                                            |
| Major Watershed Name                                     | Mississippi River - Brainerd                     |
| Area (sq. miles)                                         | 21                                               |
| Population 2010<br>(persons per sq. mile)                | 62                                               |
| Population Change 2000 to 2010<br>(persons per sq. mile) | 21                                               |
| Surficial Geology                                        | Upper Terrace / Brainerd Outwash (sand & gravel) |
| % Slope (avg.)                                           | 3                                                |
| % Forested (private)                                     | 29                                               |
| % Disturbed Land Cover                                   | 36                                               |
| % Developed                                              | 4                                                |
| Extractive Uses                                          | Minimal                                          |
| # of Animal Units                                        | 50                                               |
| Biological Diversity                                     | Below                                            |
| % Public Land                                            | 12                                               |
| % Easements                                              | 0                                                |
| % Lakes                                                  | 3                                                |
| % Streams                                                | 0                                                |
| % Wetlands (private)                                     | 10                                               |
| % Protected                                              | 25                                               |
| Assigned Risk Level                                      | Enhance / Protection                             |
| Implementation Priorities                                |                                                  |
| Top 24 Priority Watershed                                |                                                  |
| Surface Water                                            |                                                  |
| Aquatic Invasive Species                                 |                                                  |
| Stormwater                                               | x                                                |
| Shoreline Buffers                                        | x                                                |
| Lake Focus: Recreational Use & Development               | x                                                |
| Lake Focus: Wild Rice / Wildlife                         | x                                                |
| Rivers / Floodplains                                     |                                                  |
| Agricultural BMPs                                        |                                                  |
| Ecological Sensitive Areas                               |                                                  |
| Bluffs & Steep Slopes                                    |                                                  |
| Public & Private Drainage                                | x                                                |
| Development (existing and potential)                     | x                                                |
| Private Forest Stewardship                               |                                                  |
| Ground Water                                             |                                                  |
| Septic Systems                                           | x                                                |
| Wellhead Protection                                      |                                                  |

- W

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

Streams

County Ditches

Wetlands (from NWI)
- Trout, Rice, and Cisco Lakes

■

Cisco

■

Cisco and Wild Rice

■

Cisco and Trout

■

Wild Rice

■

Trout

Infested Lakes

■

Milfoil

■

Milfoil, Zebra Mussels

■

Zebra Mussels

■

Milfoil, Zebra Mussels, Spiny Water Flea

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