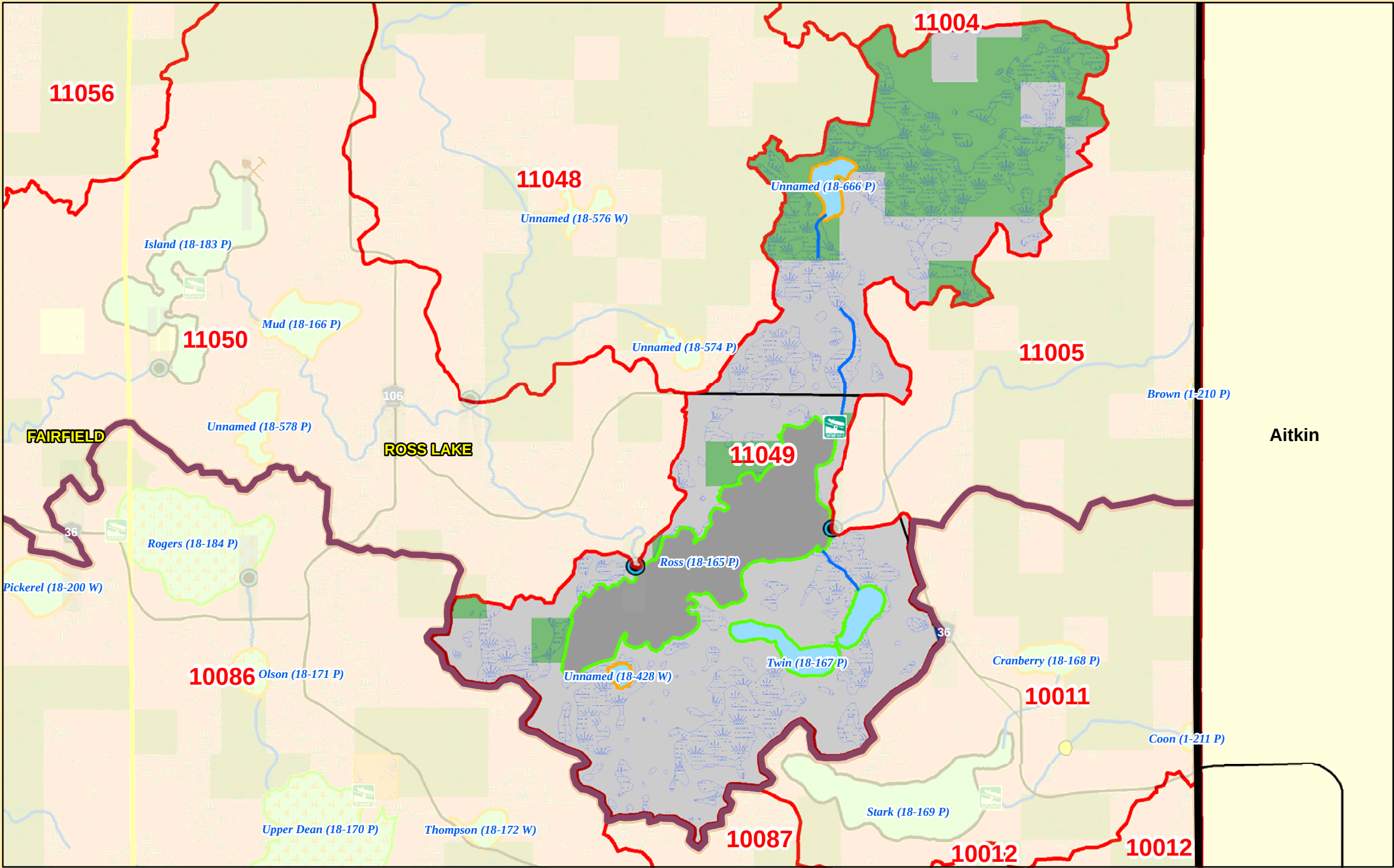




Pine River Watershed (43 minor watersheds):

Part 2:

11049 Ross L
11050 Mud Bk
11051 Pine R
11052 Pine R
11053 Pine R
11054 Little Pine R
11055 Little Pine R
11056 Little Pine R
11057 L Emily
11058 Van Sickle Bk
11059 Unknown DNR Minor Watershed Name
11060 Cross L
11061 Pelican Bk
11062 Pelican L
11063 Unknown DNR Minor Watershed Name
11064 Unknown DNR Minor Watershed Name
11065 Inlet From Big Trout L
11066 Inlet From Arrowhead L
11067 Willow Cr
11068 Lower Whitefish L



Minor Watershed #	11049
Major Watershed Name	Pine River
Area (sq. miles)	6
Population 2010 (persons per sq. mile)	6
Population Change 2000 to 2010 (persons per sq. mile)	2
Surficial Geology	Glacial Till
% Slope (avg.)	11
% Forested (private)	28
% Disturbed Land Cover	3
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	High
% Public Land	17
% Easements	0
% Lakes	15
% Streams	0
% Wetlands (private)	19
% Protected	52
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	
Rivers / Floodplains	
Agricultural BMPs	
Ecological Sensitive Areas	x
Bluffs & Steep Slopes	
Public & Private Drainage	
Development (existing and potential)	x
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

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

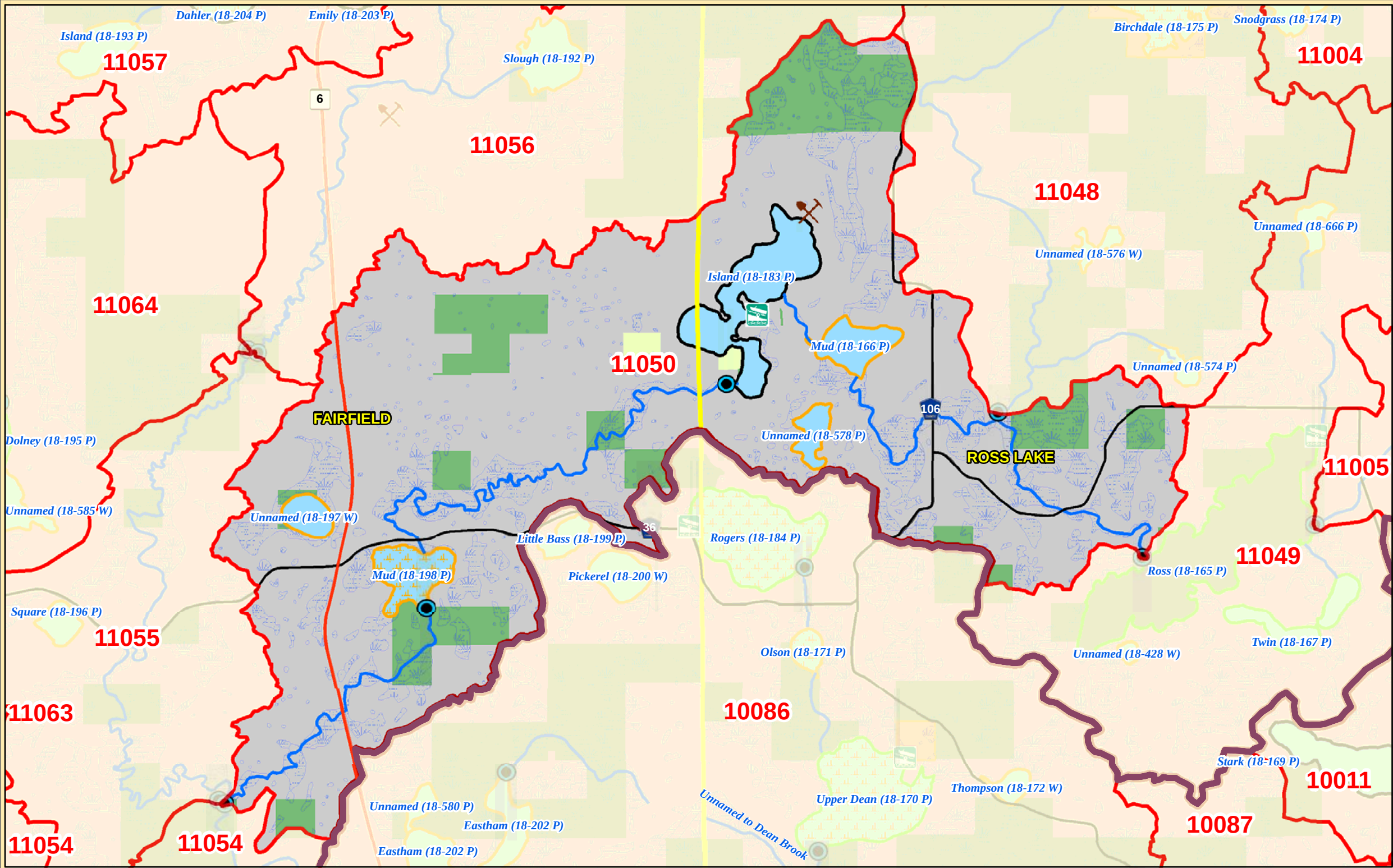
S

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Land Services

CROW WING COUNTY

BRainerd, Minnesota 56401



Minor Watershed #	11050
Major Watershed Name	Pine River
Area (sq. miles)	13
Population 2010 (persons per sq. mile)	6
Population Change 2000 to 2010 (persons per sq. mile)	-1
Surficial Geology	Glacial Till
% Slope (avg.)	16
% Forested (private)	53
% Disturbed Land Cover	6
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Partially High
% Public Land	12
% Easements	1
% Lakes	6
% Streams	0
% Wetlands (private)	16
% Protected	35
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	x
Public & Private Drainage	x
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

30 Lakes Watershed District

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds

0

0.75

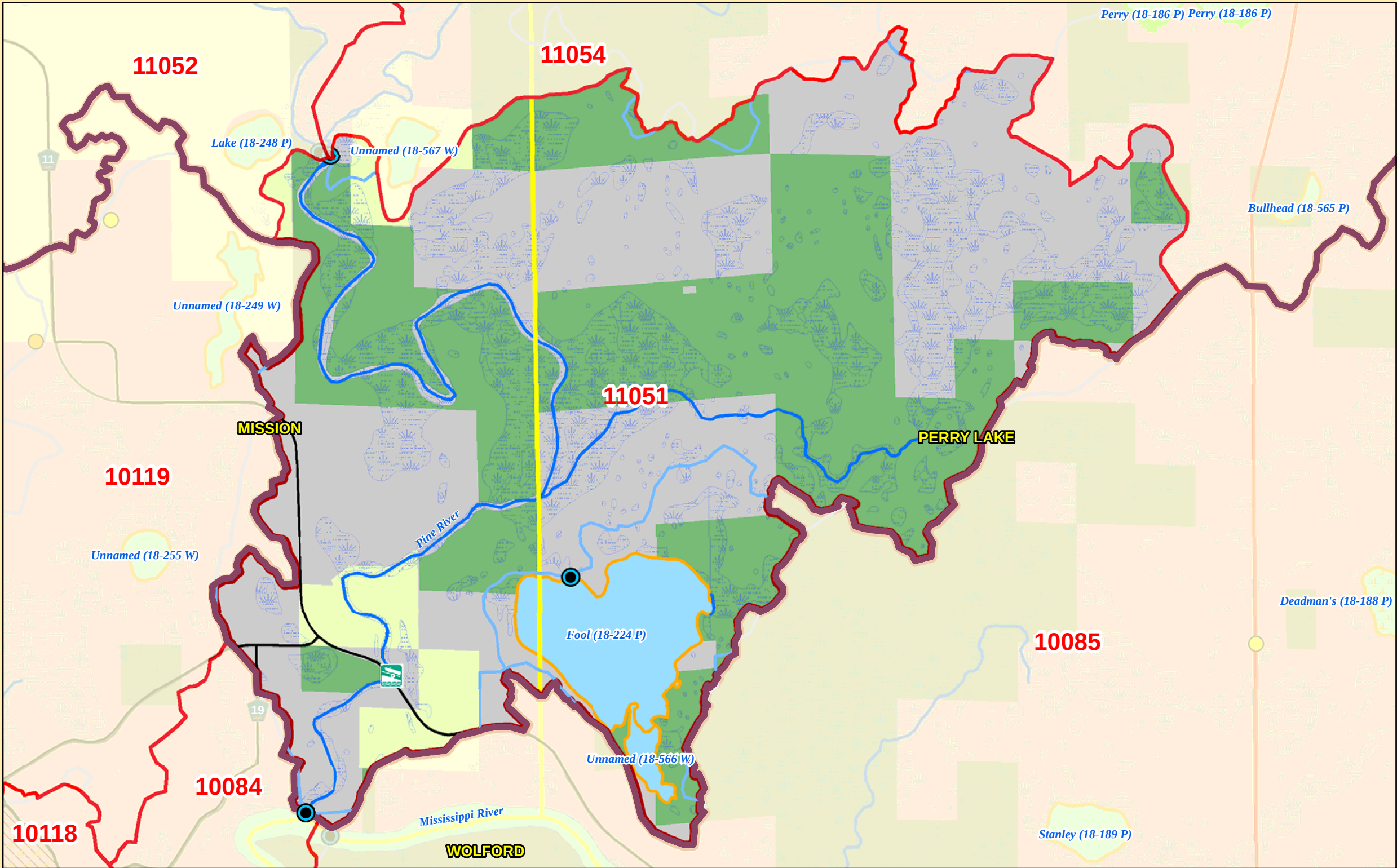
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Miles

Land Services

CROW WING COUNTY

BRainerd, Winnesota 56401



Minor Watershed #	11051
Major Watershed Name	Pine River
Area (sq. miles)	8
Population 2010 (persons per sq. mile)	9
Population Change 2000 to 2010 (persons per sq. mile)	1
Surficial Geology	Glacial Till
% Slope (avg.)	11
% Forested (private)	30
% Disturbed Land Cover	5
% Developed	1
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Moderate
% Public Land	34
% Easements	6
% Lakes	5
% Streams	2
% Wetlands (private)	17
% Protected	66
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	
Lake Focus: Wild Rice / Wildlife	
Rivers / Floodplains	x
Agricultural BMPs	
Ecological Sensitive Areas	x
Bluffs & Steep Slopes	
Public & Private Drainage	
Development (existing and potential)	
Private Forest Stewardship	
Ground Water	
Septic Systems	x
Wellhead Protection	

Outlets of watersheds / catchments

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)

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

Outlets of watersheds / catchments

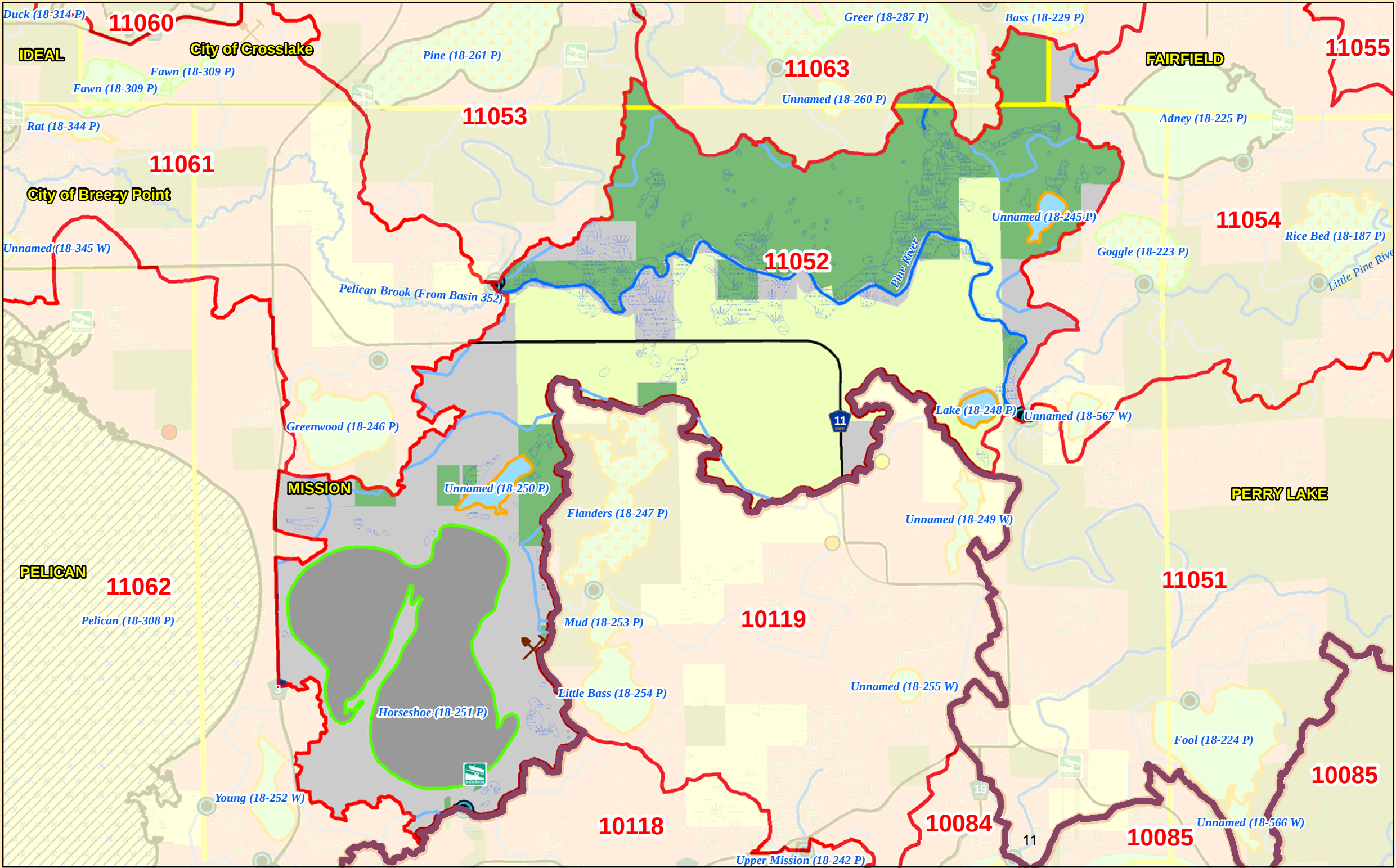
Major Watersheds

Minor Watersheds

Land Services

CROW WING COUNTY

BRainerd, Winnesota 58401



Minor Watershed #	11052
Major Watershed Name	Pine River
Area (sq. miles)	10
Population 2010 (persons per sq. mile)	24
Population Change 2000 to 2010 (persons per sq. mile)	4
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	8
% Forested (private)	19
% Disturbed Land Cover	9
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Minimal
% Public Land	36
% Easements	19
% Lakes	15
% Streams	1
% Wetlands (private)	5
% Protected	76
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	
Rivers / Floodplains	x
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	

- Ⓜ

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

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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)

—

Feedlots (by primary animal)

●

BIRDS

●

BOVINES

●

HORSES

●

PIGS

🏠

Water Access Sites

⛏

Active Gravel Pits

- 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

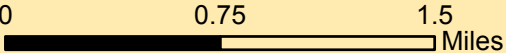
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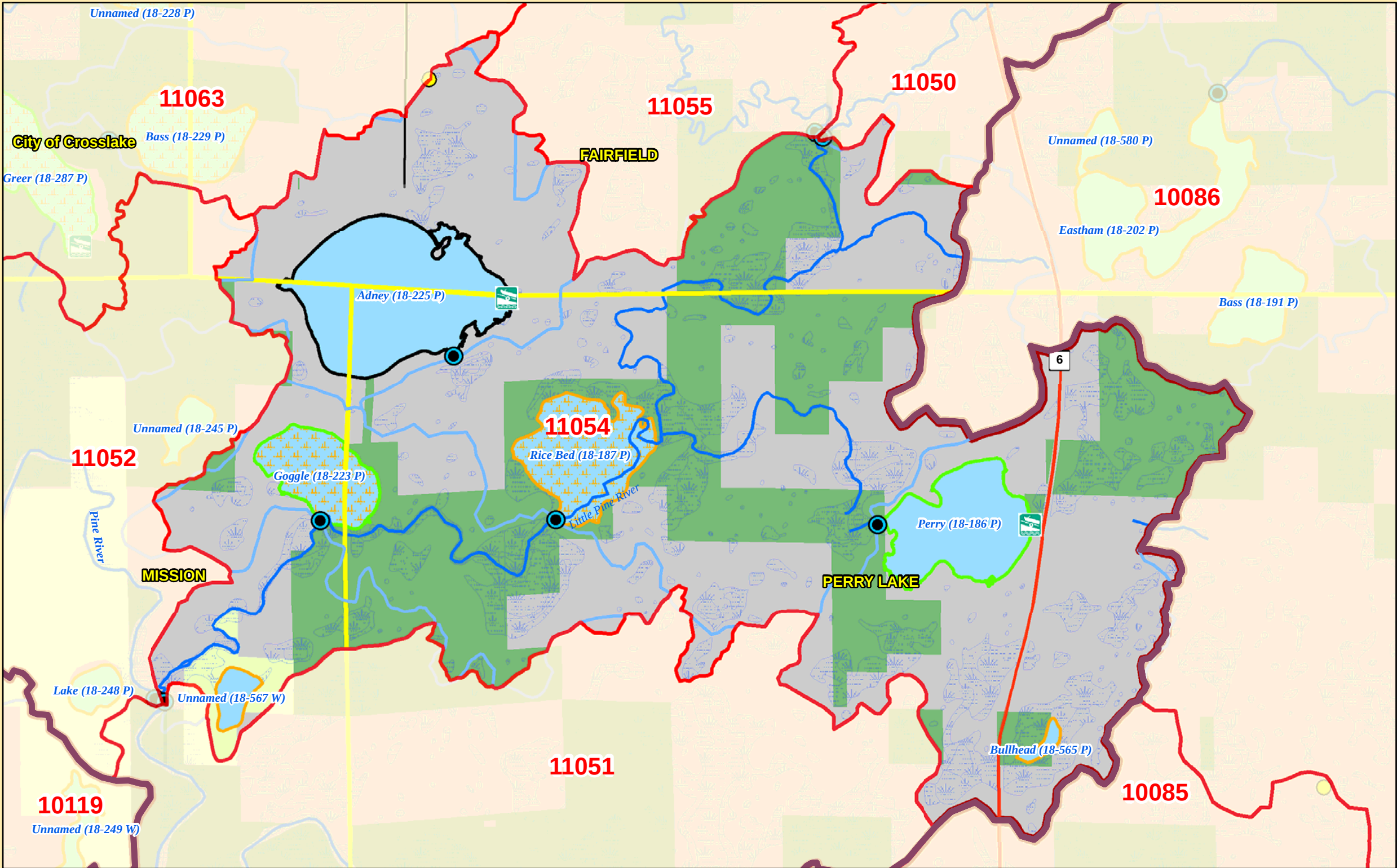
Outlets of watersheds / catchments

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Major Watersheds

■

Minor Watersheds



Minor Watershed #	11054
Major Watershed Name	Pine River
Area (sq. miles)	10
Population 2010 (persons per sq. mile)	11
Population Change 2000 to 2010 (persons per sq. mile)	1
Surficial Geology	Glacial Till
% Slope (avg.)	12
% Forested (private)	36
% Disturbed Land Cover	8
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Moderate
% Public Land	28
% Easements	0
% Lakes	13
% Streams	1
% Wetlands (private)	10
% Protected	52
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	x
Agricultural BMPs	
Ecological Sensitive Areas	x
Bluffs & Steep Slopes	x
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

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)

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

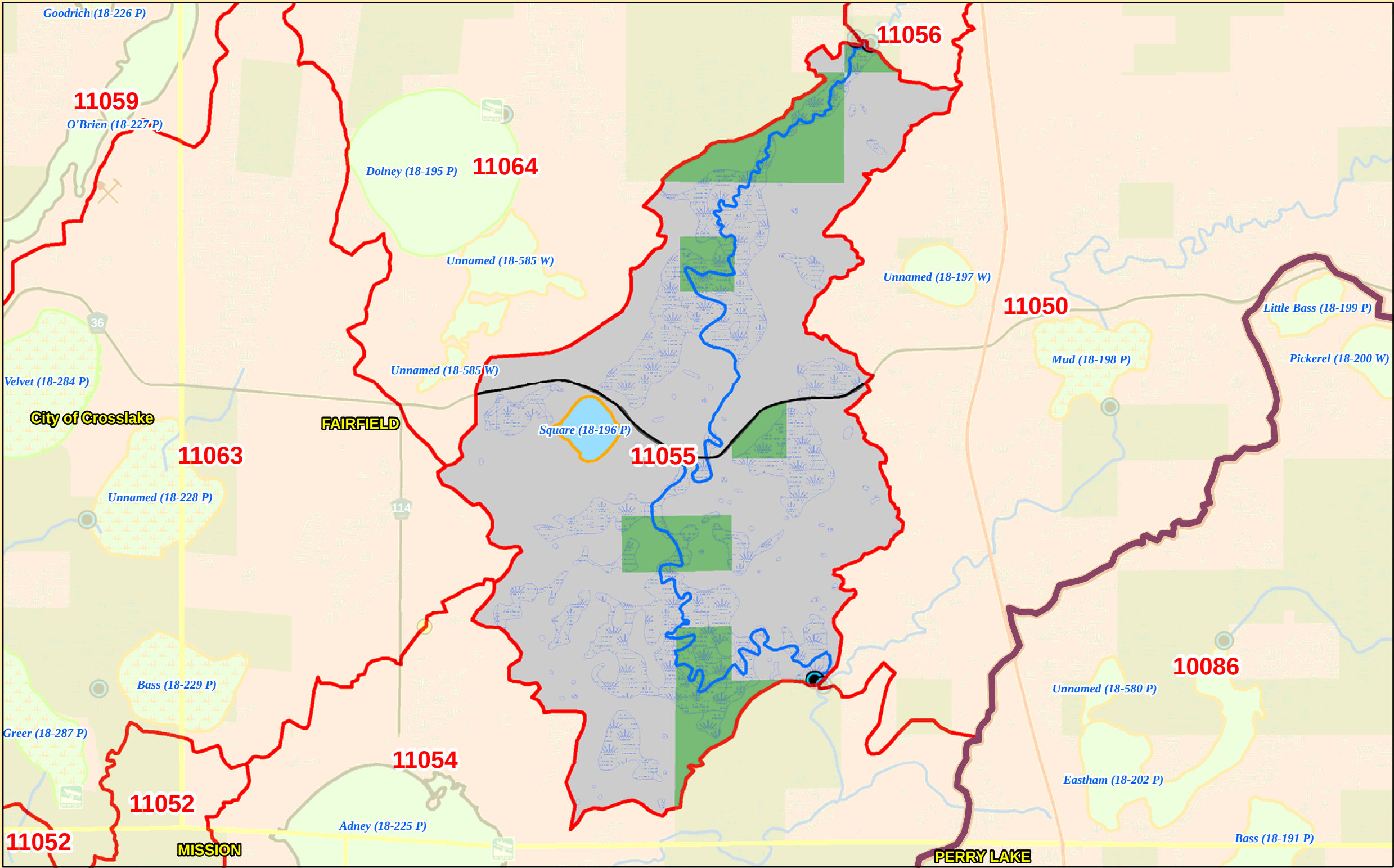
Conservation Easements

Public Land

Outlets of watersheds / catchments

Major Watersheds

Minor Watersheds



Minor Watershed #	11055
Major Watershed Name	Pine River
Area (sq. miles)	4
Population 2010 (persons per sq. mile)	9
Population Change 2000 to 2010 (persons per sq. mile)	2
Surficial Geology	Glacial Till / Outwash (sand & gravel)
% Slope (avg.)	10
% Forested (private)	51
% Disturbed Land Cover	3
% Developed	1
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Partially Moderate
% Public Land	20
% Easements	0
% Lakes	1
% Streams	1
% Wetlands (private)	23
% Protected	44
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	
Lake Focus: Wild Rice / Wildlife	
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

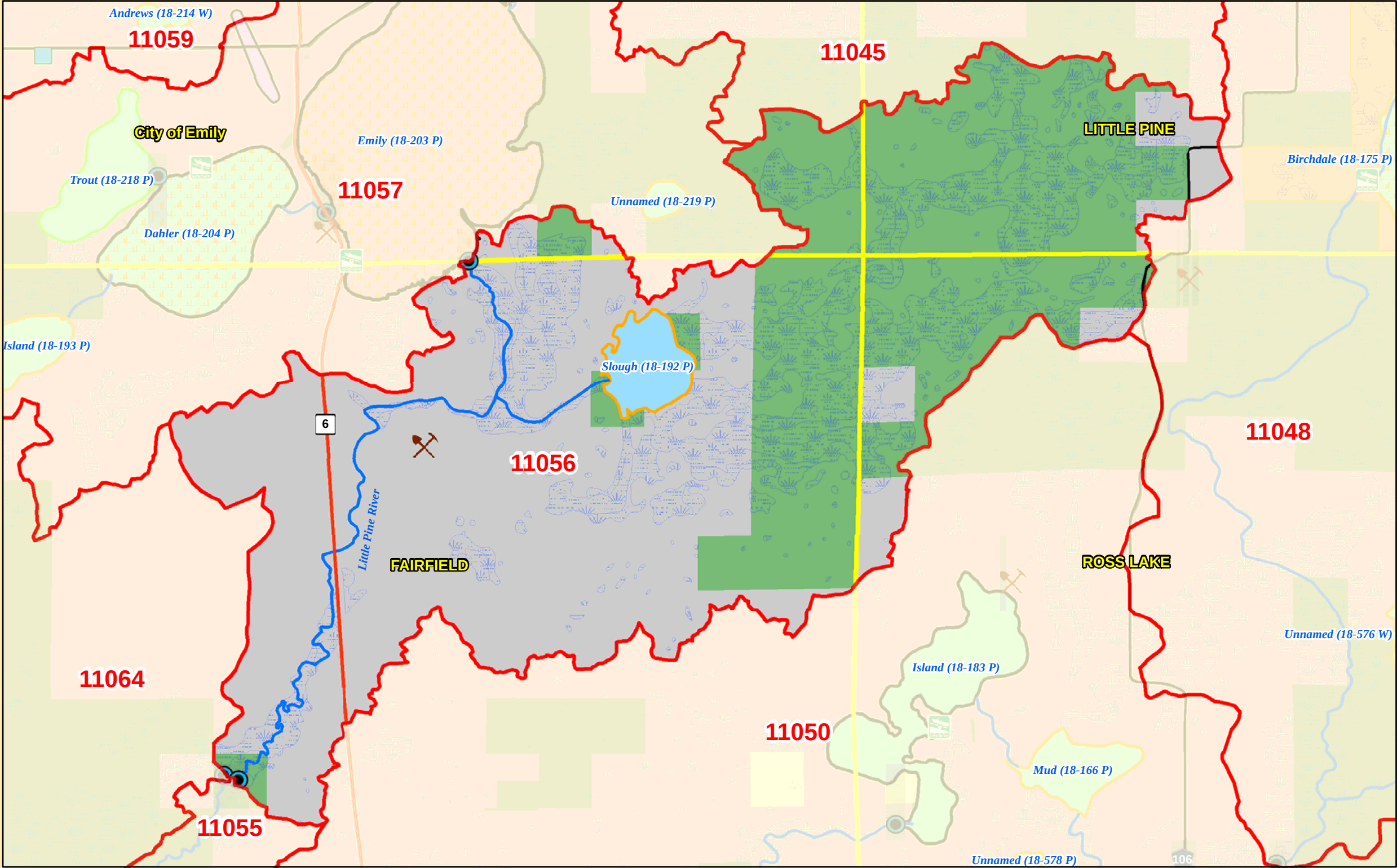
Major Watersheds

00.51Miles

Land Services

CROW WING COUNTY

BRainerd, WInesota 58401



Minor Watershed #	11056
Major Watershed Name	Pine River
Area (sq. miles)	7
Population 2010 (persons per sq. mile)	7
Population Change 2000 to 2010 (persons per sq. mile)	0
Surficial Geology	Glacial Till / Outwash (sand & gravel)
% Slope (avg.)	10
% Forested (private)	31
% Disturbed Land Cover	6
% Developed	2
Extractive Uses	Moderate
# of Animal Units	0
Biological Diversity	High
% Public Land	35
% Easements	0
% Lakes	2
% Streams	0
% Wetlands (private)	12
% Protected	48
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 (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

■

Declining

■

No Trend

■

No Trend / Declining

■

Multiple Trends

■

Not Assessed

■

State Park

■

State Recreation Area

■

Scientific and Natural Area Boundaries

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Wildlife Management Areas

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Conservation Easements

■

Public Land

■

30 Lakes Watershed District

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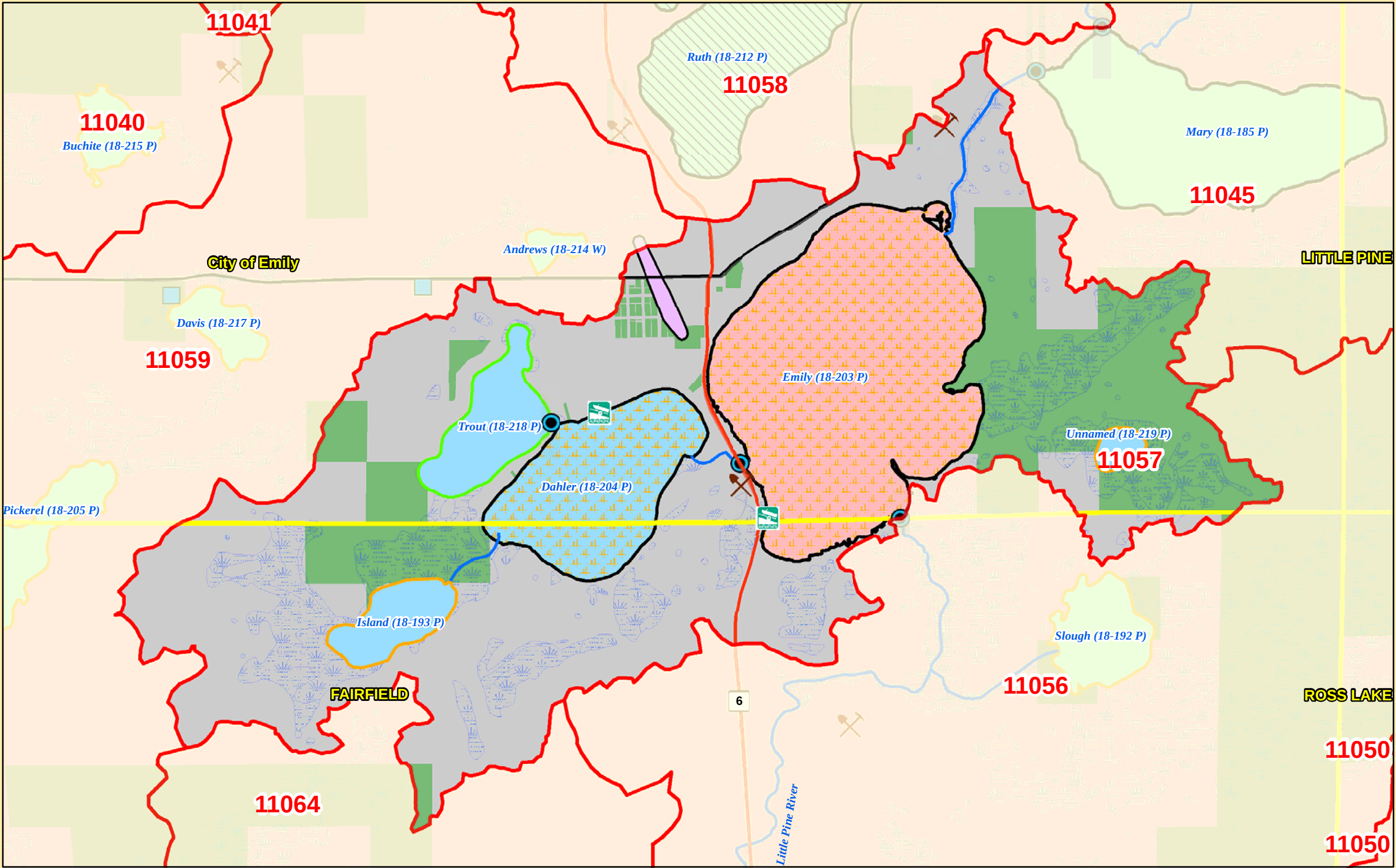
Outlets of watersheds / catchments

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Minor Watersheds

■

Major Watersheds



Minor Watershed #	11057
Major Watershed Name	Pine River
Area (sq. miles)	6
Population 2010 (persons per sq. mile)	31
Population Change 2000 to 2010 (persons per sq. mile)	-2
Surficial Geology	Glacial Till / Outwash (sand & gravel)
% Slope (avg.)	9
% Forested (private)	24
% Disturbed Land Cover	7
% Developed	4
Extractive Uses	Moderate
# of Animal Units	0
Biological Diversity	Partially High
% Public Land	16
% Easements	0
% Lakes	30
% Streams	0
% Wetlands (private)	9
% Protected	55
Assigned Risk Level	Enhance / 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
Rivers / Floodplains	
Agricultural BMPs	
Ecological Sensitive Areas	x
Bluffs & Steep Slopes	
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

●

BIRDS

●

BOVINES

●

HORSES

●

PIGS

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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)

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Feedlots (by primary animal)

●

BIRDS

●

BOVINES

●

HORSES

●

PIGS

■

Water Access Sites

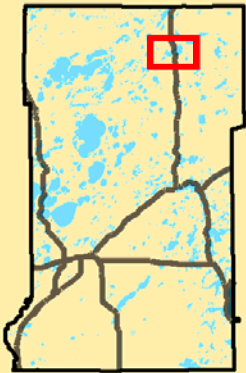
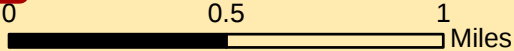
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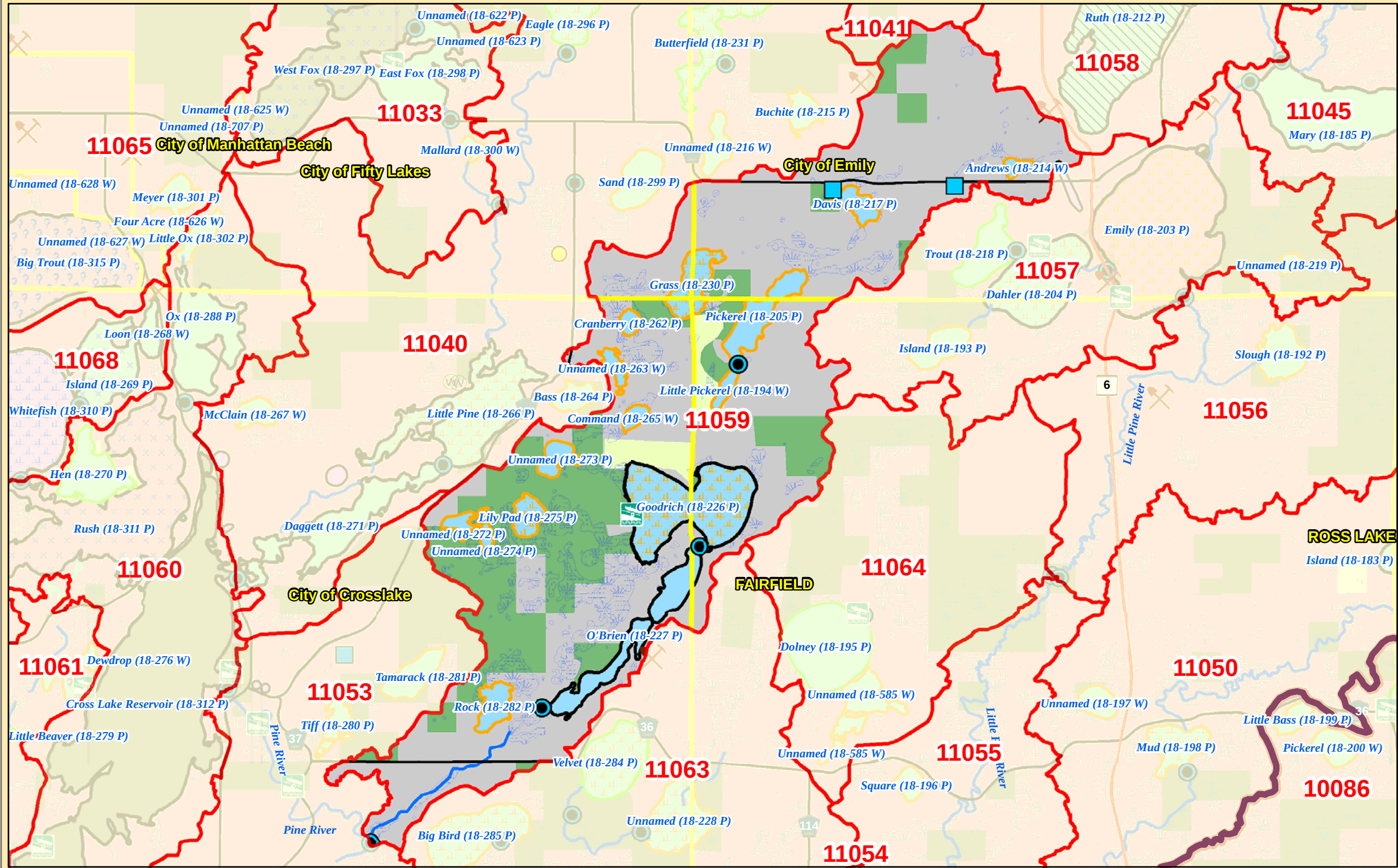
Active Gravel Pits

- 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





Minor Watershed #	11059
Major Watershed Name	Pine River
Area (sq. miles)	13
Population 2010 (persons per sq. mile)	24
Population Change 2000 to 2010 (persons per sq. mile)	3
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	9
% Forested (private)	37
% Disturbed Land Cover	7
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Minimal
% Public Land	20
% Easements	3
% Lakes	13
% Streams	0
% Wetlands (private)	8
% Protected	44
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)	x
Private Forest Stewardship	x
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

1

2

Miles

N

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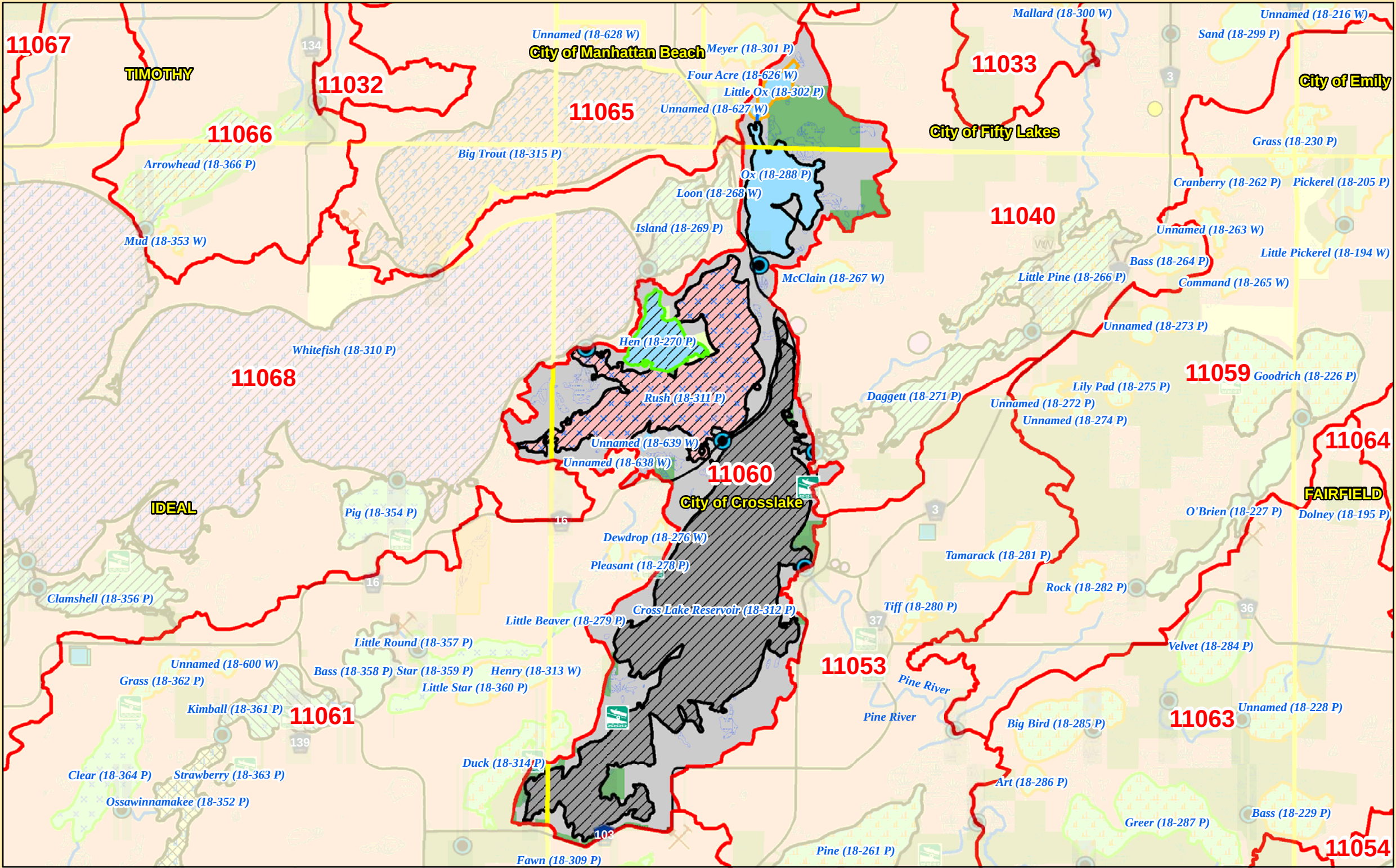
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Land Services

CROW WING COUNTY

BRainerd, Minnesota 56401



Minor Watershed #	11060
Major Watershed Name	Pine River
Area (sq. miles)	8
Population 2010 (persons per sq. mile)	70
Population Change 2000 to 2010 (persons per sq. mile)	-24
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	15
% Forested (private)	17
% Disturbed Land Cover	3
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Minimal
% Public Land	8
% Easements	0
% Lakes	55
% Streams	0
% Wetlands (private)	3
% Protected	67
Assigned Risk Level	Enhance / Protection

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	
Lake Focus: Fisheries (Cisco)	x
Rivers / Floodplains	
Agricultural BMPs	
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	

Ⓜ

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)

■

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

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Miles

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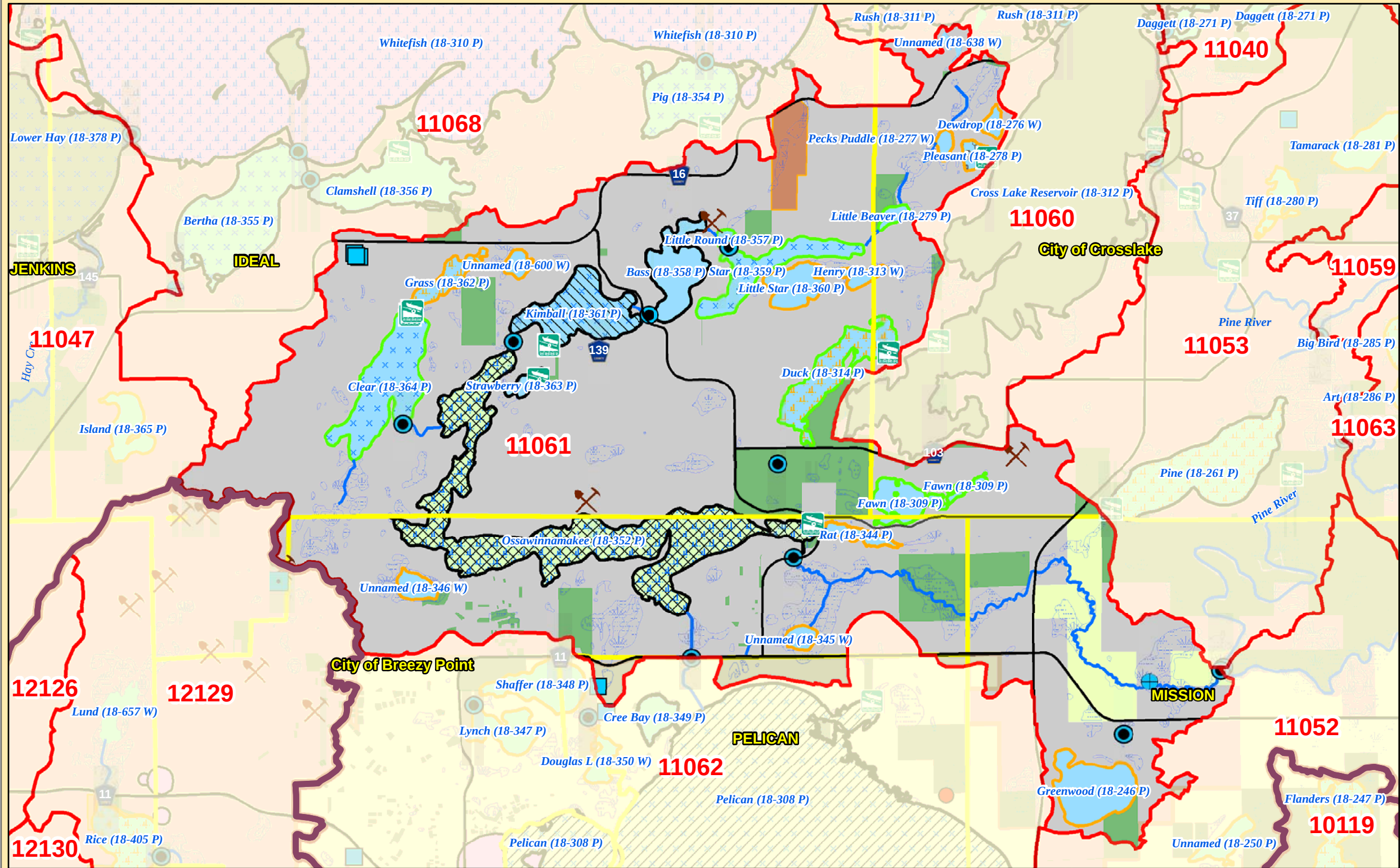
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Land Services

CROW WING COUNTY

BRainerd, Minnesota 56401



Minor Watershed #	11061
Major Watershed Name	Pine River
Area (sq. miles)	20
Population 2010 (persons per sq. mile)	60
Population Change 2000 to 2010 (persons per sq. mile)	23
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	15
% Forested (private)	46
% Disturbed Land Cover	6
% Developed	3
Extractive Uses	Moderate
# of Animal Units	0
Biological Diversity	Partially Moderate
% Public Land	7
% Easements	3
% Lakes	16
% Streams	0
% Wetlands (private)	7
% Protected	33
Assigned Risk Level	Enhance / 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, Cisco)	x
Rivers / Floodplains	
Agricultural BMPs	
Ecological Sensitive Areas	x
Bluffs & Steep Slopes	x
Public & Private Drainage	
Development (existing and potential)	x
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

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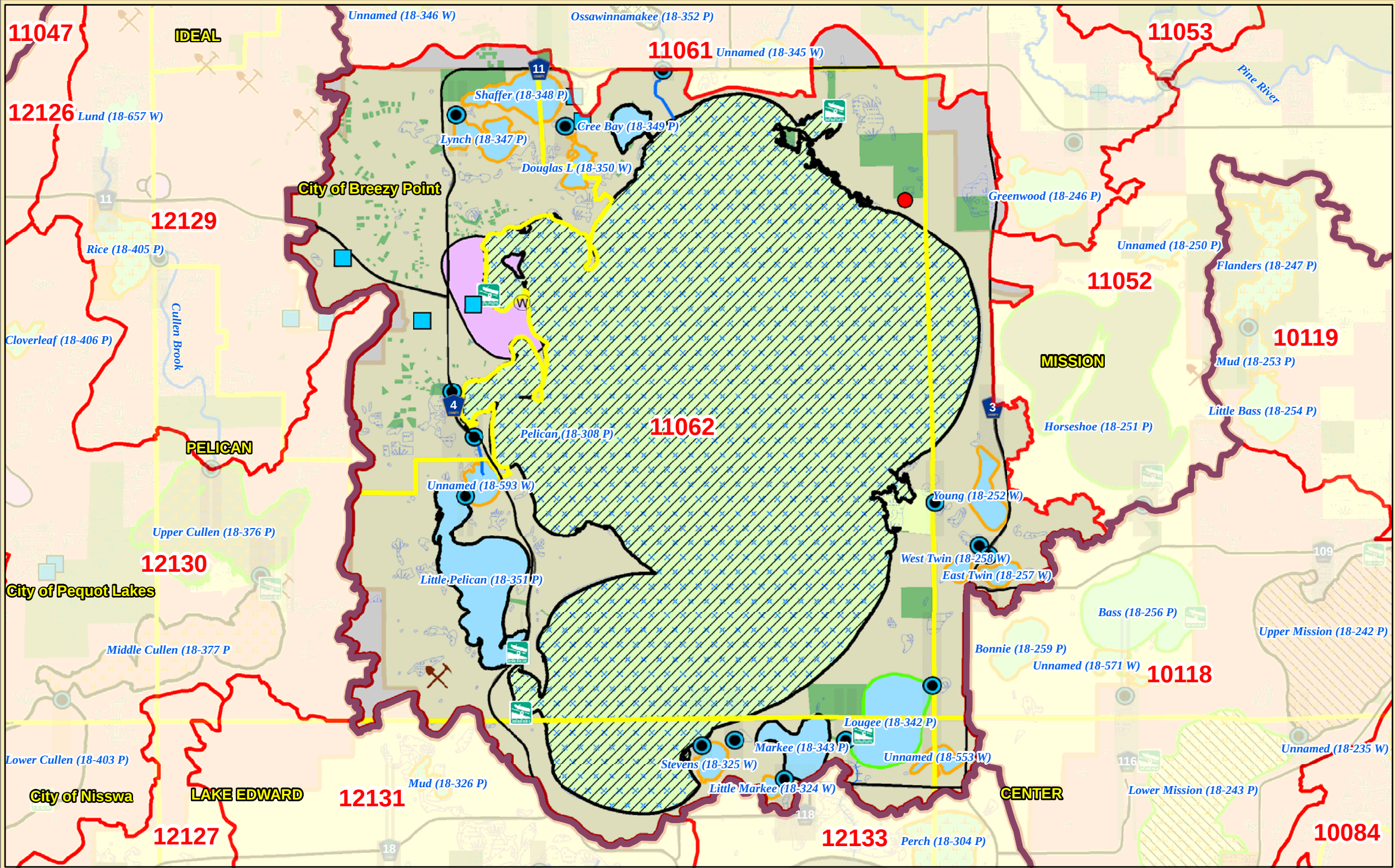
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Minor Watershed #	11062
Major Watershed Name	Pine River
Area (sq. miles)	28
Population 2010 (persons per sq. mile)	66
Population Change 2000 to 2010 (persons per sq. mile)	21
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	13
% Forested (private)	21
% Disturbed Land Cover	5
% Developed	4
Extractive Uses	Minimal
# of Animal Units	2
Biological Diversity	Partially High
% Public Land	3
% Easements	0
% Lakes	54
% Streams	0
% Wetlands (private)	3
% Protected	61

Assigned Risk Level	Protection
---------------------	------------

Implementation Priorities	
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Top 24 Priority Watershed	x
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Surface Water	
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Aquatic Invasive Species	x
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Stormwater	x
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Shoreline Buffers	x
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Lake Focus: Recreational Use & Development	x
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Lake Focus: Wild Rice / Wildlife	
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Lake Focus: Fisheries (Cisco)	x
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Rivers / Floodplains	
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Agricultural BMPs	
-------------------	--

Ecological Sensitive Areas	x
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Bluffs & Steep Slopes	x
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Public & Private Drainage	
---------------------------	--

Development (existing and potential)	x
---	---

Private Forest Stewardship	
----------------------------	--

Ground Water	
--------------	--

Septic Systems	x
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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
- 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)

—

Feedlots (by primary animal)

- U.S. Highways
- State Highways
- County Roads
- Paul Bunyan State Trail
- Cities / Townships
- Mississippi River
- Streams
- County Ditches
- Wetlands (from NWI)

—

Feedlots (by primary animal)

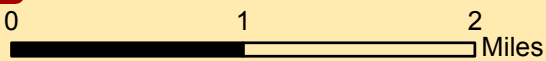
- U.S. Highways
- State Highways
- County Roads
- Paul Bunyan State Trail
- Cities / Townships
- Mississippi River
- Streams
- County Ditches
- Wetlands (from NWI)

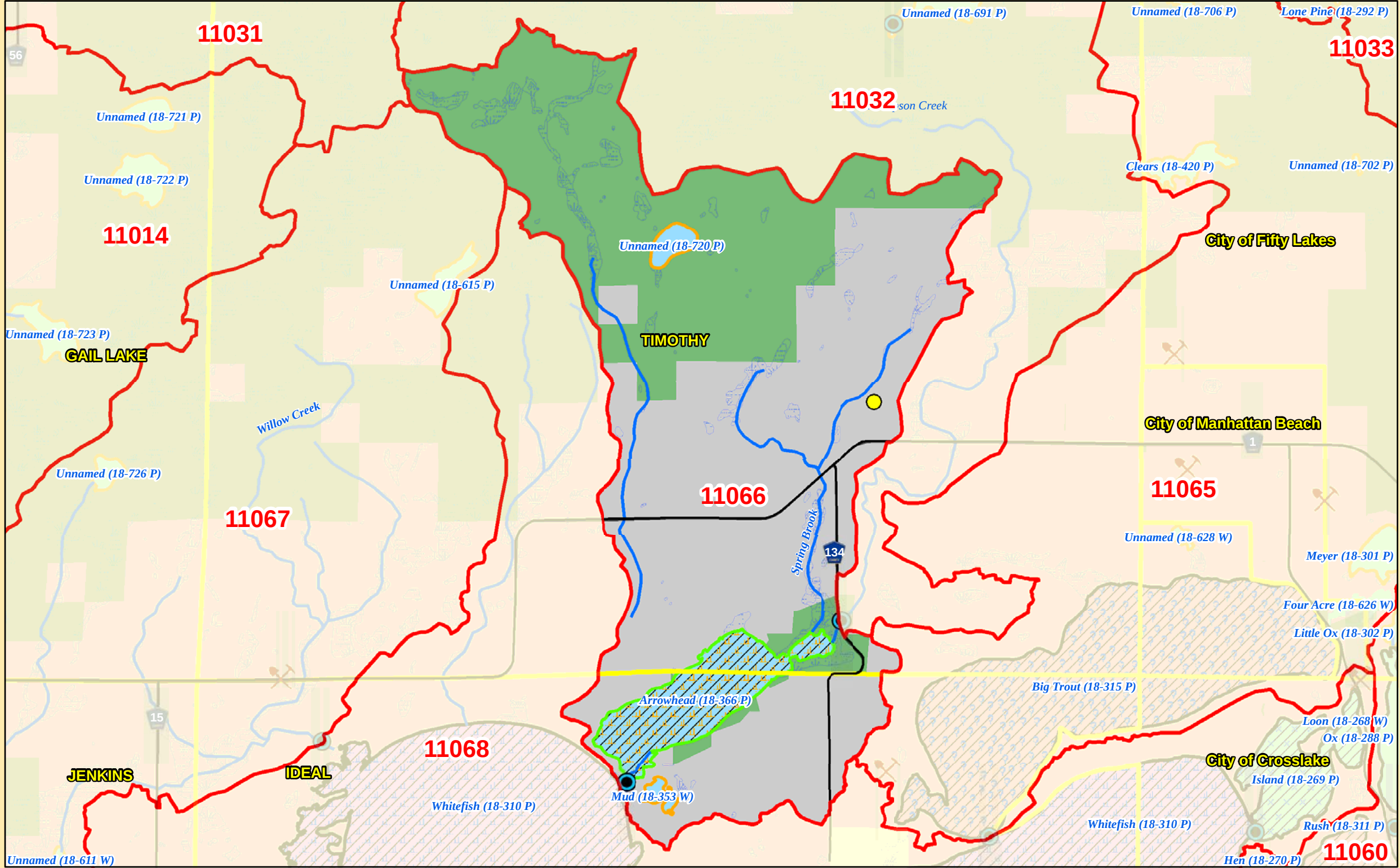
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Feedlots (by primary animal)

- U.S. Highways
- State Highways
- County Roads
- Paul Bunyan State Trail
- Cities / Townships
- Mississippi River
- Streams
- County Ditches
- Wetlands (from NWI)

—

Feedlots (by primary animal)



Minor Watershed #	11066
Major Watershed Name	Pine River
Area (sq. miles)	9
Population 2010 (persons per sq. mile)	6
Population Change 2000 to 2010 (persons per sq. mile)	-1
Surficial Geology	Glacial Till / Outwash (sand & gravel)
% Slope (avg.)	10
% Forested (private)	24
% Disturbed Land Cover	13
% Developed	1
Extractive Uses	Minimal
# of Animal Units	251
Biological Diversity	Minimal
% Public Land	30
% Easements	0
% Lakes	7
% Streams	0
% Wetlands (private)	2
% Protected	39

Assigned Risk Level	Enhance / Protection
---------------------	----------------------

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
Lake Focus: Fisheries (Trout)	x
Rivers / Floodplains	
Agricultural BMPs	x
Ecological Sensitive Areas	
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

●

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)

—

Feedlots (by primary animal)

●

BIRDS

●

BOVINES

●

HORSES

●

PIGS

■

Water Access Sites

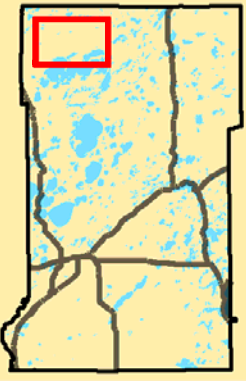
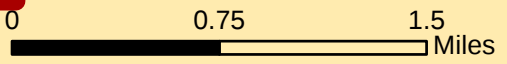
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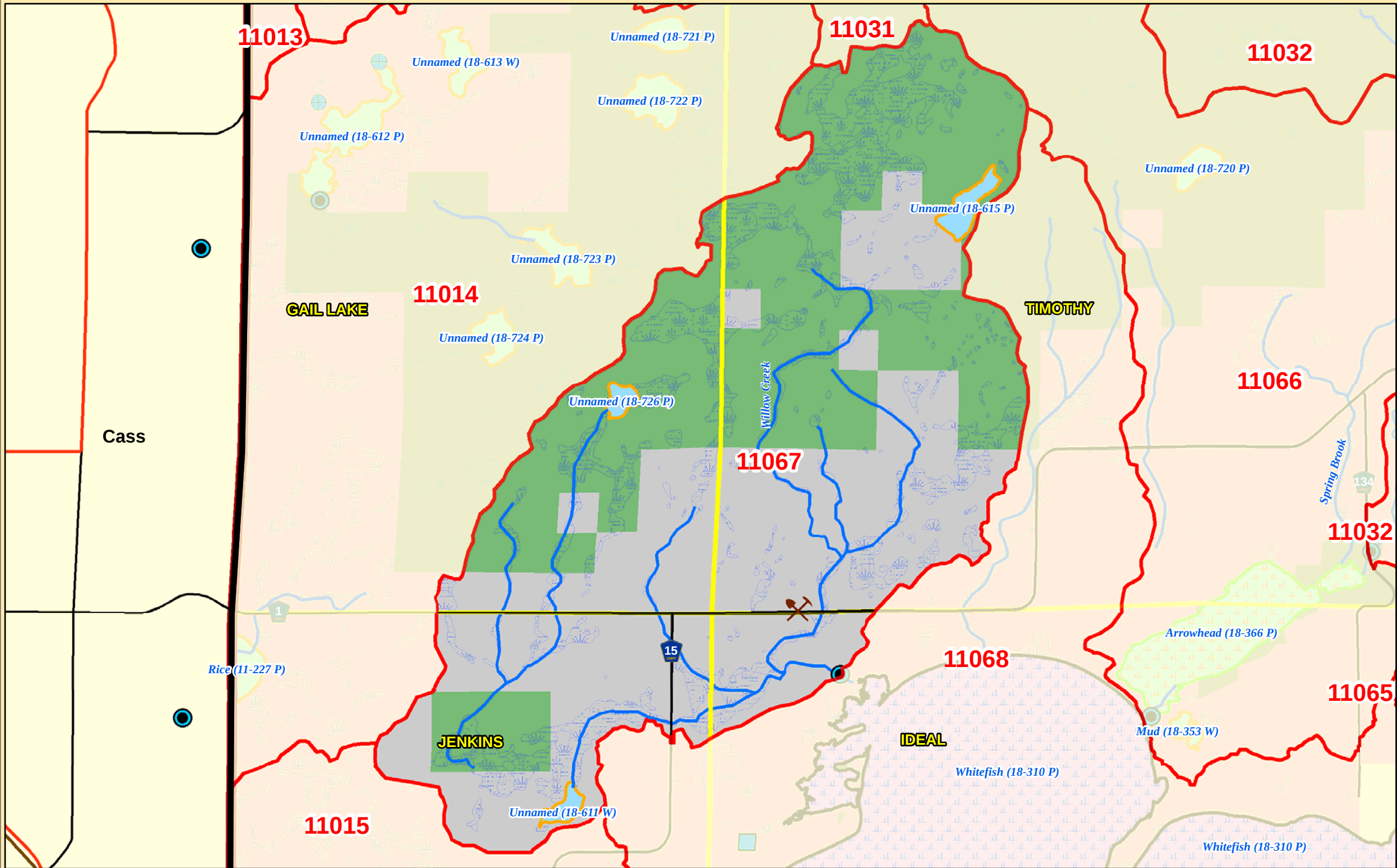
Active Gravel Pits

- 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





Minor Watershed #	11067
Major Watershed Name	Pine River
Area (sq. miles)	11
Population 2010 (persons per sq. mile)	6
Population Change 2000 to 2010 (persons per sq. mile)	0
Surficial Geology	Glacial Till
% Slope (avg.)	8
% Forested (private)	30
% Disturbed Land Cover	6
% Developed	1
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Moderate
% Public Land	42
% Easements	0
% Lakes	1
% Streams	1
% Wetlands (private)	8
% Protected	51

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	
Lake Focus: Wild Rice / Wildlife	
Rivers / Floodplains	x
Agricultural BMPs	
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
- 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

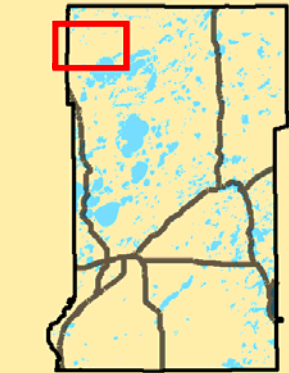
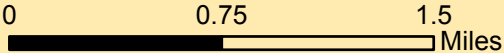
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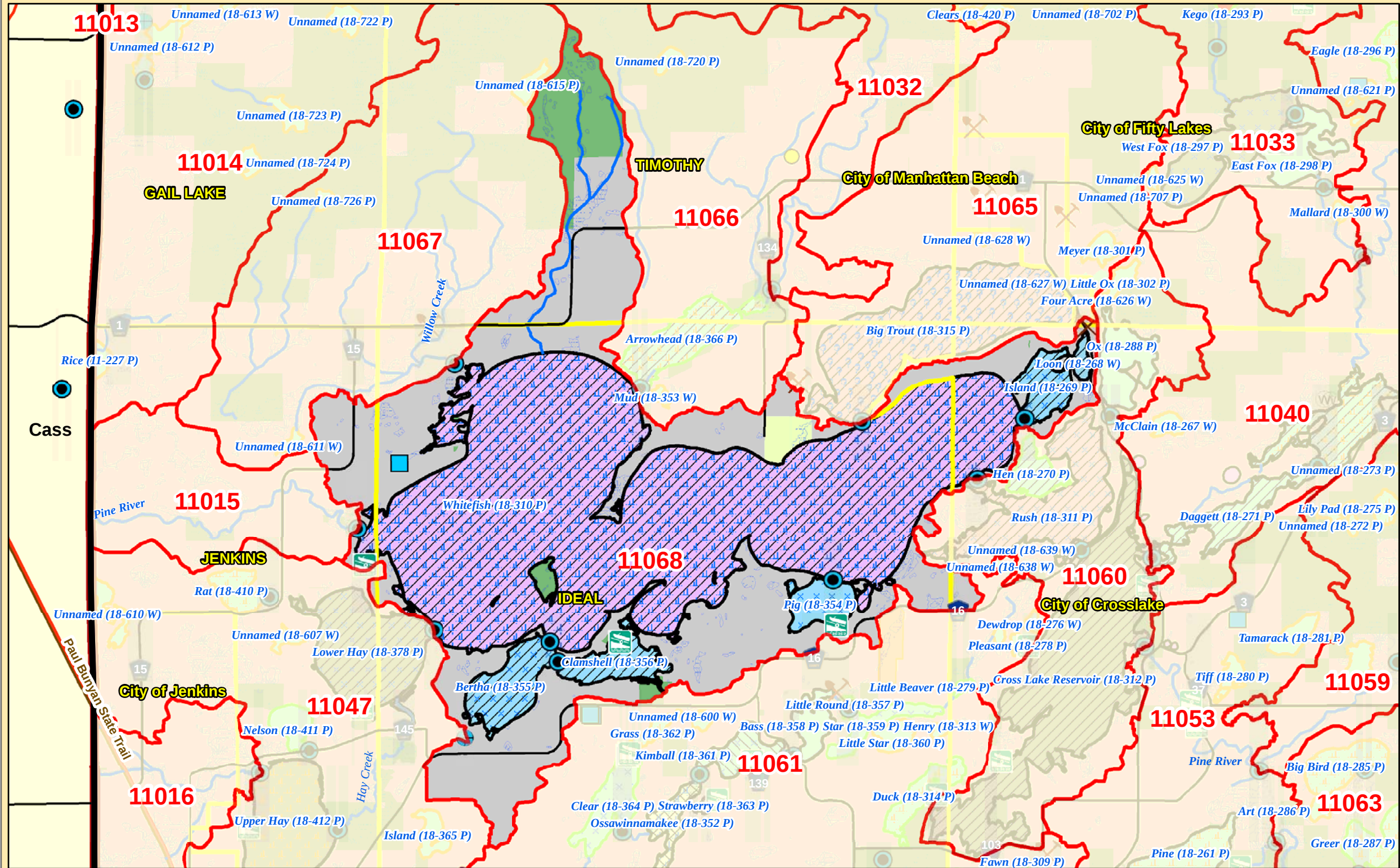
Outlets of watersheds / catchments

■

Major Watersheds

■

Minor Watersheds



Minor Watershed #	11068
Major Watershed Name	Pine River
Area (sq. miles)	25
Population 2010 (persons per sq. mile)	25
Population Change 2000 to 2010 (persons per sq. mile)	2
Surficial Geology	Outwash (sand & gravel)
% Slope (avg.)	11
% Forested (private)	15
% Disturbed Land Cover	5
% Developed	2
Extractive Uses	Minimal
# of Animal Units	0
Biological Diversity	Minimal
% Public Land	3
% Easements	1
% Lakes	56
% Streams	0
% Wetlands (private)	3
% Protected	62
Assigned Risk Level	Enhance / 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	
Lake Focus: Fisheries (Cisco)	x
Rivers / Floodplains	
Agricultural BMPs	
Ecological Sensitive Areas	
Bluffs & Steep Slopes	
Public & Private Drainage	
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

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

1.25

2.5

Miles