### **Conservation Challenges:**

- \*Conversion to agricultural uses
- \*Changes in agricultural practices
- \*Increased draintiling makes stream flow more flashy, reduces
- \*Waterways are more incised, with more alluvium, and higher turbidity
- \*Invasive spp.: spotted knapweed, leafy spurge, EAB
- \*Habitat fragmentation
- \*Urbanization/lakeshore development
- \*Fire-dependent communities are likely to decline due to difficulty in restoring natural fire regimes

### **Conservation Opportunities:**

\* Minnesota Prairie Plan

**Edward R Mohs** 

Farm

\* Large number of WMAs and USF-WS wildlife sites

### **Existing Conservation Network:**

State Parks:

Glacial Lakes Monson Lake

Siblev

**State Forests:** 

**SNAs:** 

Sedan Brook Prairie **Bruce Hitman Heron Rookery** 

Langhei Prairie

Nature Conservancy:

Ordway Prairie, **Regal Meadow** 

USFWS: 42 sites

### **Rare Features:**

Jumping Spider (two spp.) American Bittern American Ginseng American White Pelican

**Arogos Skipper Bald Eagle Bat Concentration Black Sandshell** Blanket-flower Cerulean Warbler **Colonial Waterbird Nesting** 

Area **Common Gallinule** Creek Heelsplitter

**Creeping Juniper** Dakota Skipper Few-flowered spike rush

Forster's Tern Hair-like Beak-rush

Henslow's Sparrow Hill's Thistle

**Least Darter Least Moonwort** Low Milk-vetch

**Marbled Godwit** 

Marsh Arrow-grass Mucket

Pawnee Skipper

Plains Hog-nosed Snake Powesheik Skipper

**Prairie Mimosa Prairie Moonwort** Prairie Rich Fen Prairie Vole

**Pugnose Shiner** Red-shouldered Hawk Red-Tailed Prairie Leafhopper

Regal Fritillary

Sandhill Crane Sea Naiad

Small White Lady's Slipper Sterile Sedge

**Trumpeter Swan Upland Sandpiper** 

Western White Prairie-clover Whorled Nut-rush

Widgeon-grass Wilson's Phalarope

# Wildlife Management Areas:

**Bangor** New London Bench Norman Dahlman Burbank **Partners** Camp Kerk **Regal Flats Crow River** Ringo-Nest **Dietrich Lange** 

Florida Lake **Games Lake** Nest Lake

Fish Lake **New London Hatchery Follies** Rigno Lake **Gravel Pit 1062** Roseville **Gravel Pit 1676** Simon Lake Henry X

Heritage Hoff

Little Joe Miller Spring Lea Farm Tribute Milton Kjehldahl Wig

#### Aquatic **Management Areas:**

Florida Lake **Games Lake** Nest Lake

New London Hatchery Rigno Lake

Scandinavian Lake

## Skarpness **Spirit Prairie** Stearns Prairie Heritage **Tamarack**

# **Glacial Lakes and Moraines**

# **Opportunity Area**

## **Ecological Significance:**

The Glacial Lakes and Moraines Opportunity Area is an extension of the Eastern Broadleaf Forest into west-central Minnesota. The hilly moraine topography provides the setting for lakes, wetlands, and downslope firebreaks that allow forest to exist. While this OA lies along the southwestern front of the forest region, it projects farther to the west to intregrate unique prairie habitats and species into the moraine woodlands. This landscape provides a special mosaic of forest, woodland/ savanna, wetlands, lakes, and prairie. This area has an extensive conservation network already including the highest number of US Fish and Wildlife Service refuges and DNR Wildlife Managment Areas of any Opportunity Area. The landscape mosaic also puts a variety of habitats in close juxtaposition which increases the value of any conservation action.

### **Counties:**

Kandiyohi Pope **Stearns** Swift



# **Rare Native Plant Communities:**

Basswood - Bur Oak - (Green Ash) Forest Calcareous Fen (Southeastern)

Dry Hill Prairie (Southern)

Dry Sand - Gravel Oak Savanna (Southern) Dry Sand - Gravel Prairie (Southern)

Graminoid Rich Fen (Basin) Low Shrub Poor Fen

Mesic Prairie Mesic Prairie (Southern)

Northern Poor Fen Class Pin Oak - Bur Oak Woodland Rich Fen (Mineral Soil)

Rich Fen (Prairie Seepage) Sedge Meadow

Sedge Meadow; Beaked Sedge Subtype

Sedge Meadow; Bluejoint

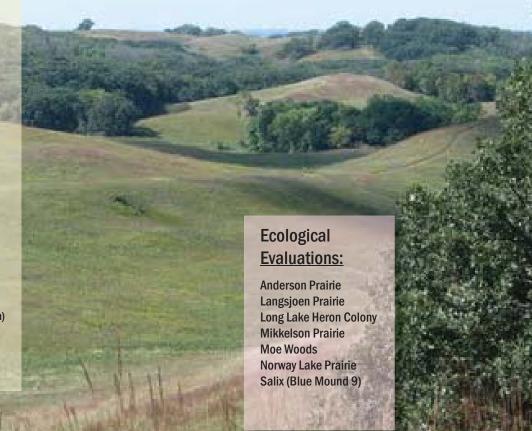
Sedge Meadow; Tussock Sedge Subtype

Seepage Meadow/Carr Sugar Maple - Basswood

(Bitternut Hickory) Forest Tamarack Swamp (Southern) Wet Prairie (Southern)

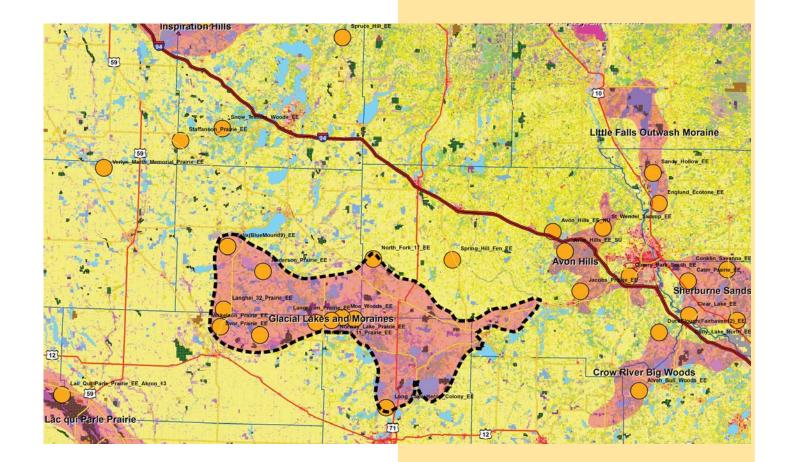
Wet Seepage Prairie (Southern)

Willow - Dogwood Shrub Swamp



# **Glacial Lakes and Moraine**

**Ecological Evaluations, Land Cover, Public Ownership** 



Please see Legend at the front of the Opportunity Area Descriptions for a key to this map

# **Glacial Lakes and Moraine**

**Marxan Prioritization, Element Occurrences** 

