

## Conservation Challenges:

- \*Conversion to agricultural uses
- \*Changes in agricultural practices
- \*Increased dewatering makes stream flow more flashy, reduces groundwater
- \*Fluctuating/declining river levels
- \*Invasive spp.: Buckthorns, Eurasian honeysuckle, garlic mustard, leafy spurge, EAB
- \*Habitat fragmentation
- \*Agricultural water pollutants/sedimentation
- \*Fire-dependent communities are likely to decline due to difficulty in restoring natural fire regimes
- \*Gravel mining

## Conservation Opportunities:

- \* Minnesota Prairie Conservation Plan
- \* Close proximity to other OAs, prairies

## Existing Conservation Network:

### State Parks:

### State Forests:

- SNAs:** Agassiz Dunes  
Pembina Trail Preserve  
Prairie Smoke Dunes

- Wildlife Management Areas:**
- |                 |
|-----------------|
| Marcoux         |
| Maple Meadow    |
| Mentor Prairie  |
| Oak Ridge Marsh |
| Onstad          |
| Shypoke         |
| Thorson Prairie |
| Tilden          |
| Trail           |
| Tympanuchus     |

## Rare Species:

- |                         |                                |
|-------------------------|--------------------------------|
| A Jumping Spider        | Macoun's Gentian               |
| Alkali Cord-grass       | Marbled Godwit                 |
| Alkali Grass            | Marsh Arrow-grass              |
| American Bittern        | Nelson's Sparrow               |
| Annual Skeletonweed     | Northern Single-spiked Sedge   |
| Baird's Sparrow         | Northern Gentian               |
| Bald Eagle              | Nuttall's Ground-rose          |
| Beach-heather           | Oat-grass                      |
| Blanket-flower          | Plains Hognose Snake           |
| Blunt Sedge             | Plains Pocket Mouse            |
| Bunch Speargrass        | Poweshiek Skipper              |
| Burrowing Owl           | Prairie Vole                   |
| Clustered Broomrape     | Purple Sand-grass              |
| Cooper's Milk-vetch     | Regal Fritillary               |
| Creek Heelsplitter      | Sandhill Crane                 |
| Creeping Juniper        | Sandy Tiger Beetle             |
| Dakota Skipper          | Short-eared Owl                |
| Drummond's Campion      | Short-tray Fleabane            |
| Few-flowered Spike-rush | Small White Lady slipper       |
| Greater Prairie-chicken | Small-leaved Pussytoes         |
| Hair-like Beak-rush     | Sprague's Pipit                |
| Hall's Sedge            | Sterile Sedge                  |
| Henslow's Sparrow       | Trumpeter Swan                 |
| Indian Ricegrass        | Upland Sandpiper               |
| Least Weasel            | Western Prairie Fringed Orchid |
| Loggerhead Shrike       | Wilson's Phalarope             |
| Louisiana Broomrape     | Yellow Rail                    |

# Glacial Beach Ridge

## Opportunity Area

## Ecological Significance:

The Glacial Beach Ridge Opportunity Area contains some of the greatest concentrations of Agassiz Interbeach Prairie Complex (AIPC) in the state. The AIPC is a derivative landscape of widely varying prairie types where the sharp moisture gradients allow for close juxtaposition of wet and dry communities. A variety of other wetland, fen, carr, prairie, woodland, and forest communities occur within this area as it provides a transition from the beach ridges located in the southern portion of the valley to those located in the northern portion, as indicated in the discussion of other nearby Opportunity Areas.



## Counties:

- Red Lake
- Polk
- Mahnomen

## Rare Native Plant Communities:

- Bur Oak - Aspen Forest
- Calcareous Fen (Northwestern)
- Dry Barrens Oak Savanna (Northern)
- Dry Barrens Prairie (Northern)
- Dry Sand-Gravel Prairie (Northern)
- Mesic Brush-Prairie (Northern)
- Mesic Prairie (Northern)
- Prairie Rich Fen
- Rich Fen (Mineral Soil)
- Wet Brush Prairie (Northern)
- Wet Prairie (Northern)
- Wet Saline Prairie (Northern)
- Wet Seepage Prairie (Northern)

## Ecological Evaluations:

- AGSCO Dunes
- Fertile Addition (Agassiz Dunes)
- Floan Prairie
- Godfrey Township
- Godwit Prairie EE N and S
- Lake Pleasant 22 LIP
- Marcoux Corners Prairie
- Onstad 3 Weber Prairie
- Pembina Trail Preserve
- Crookston Addition

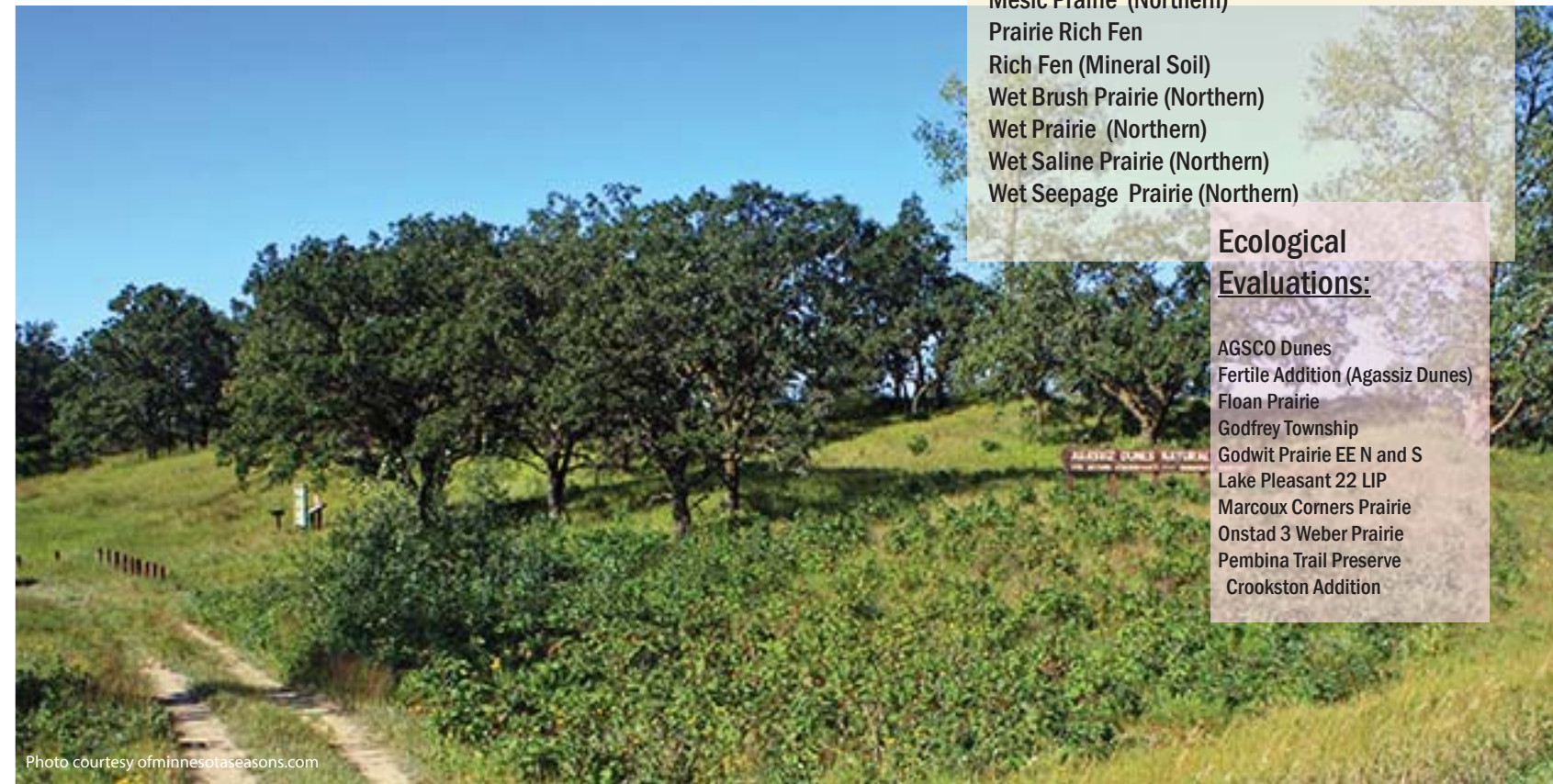
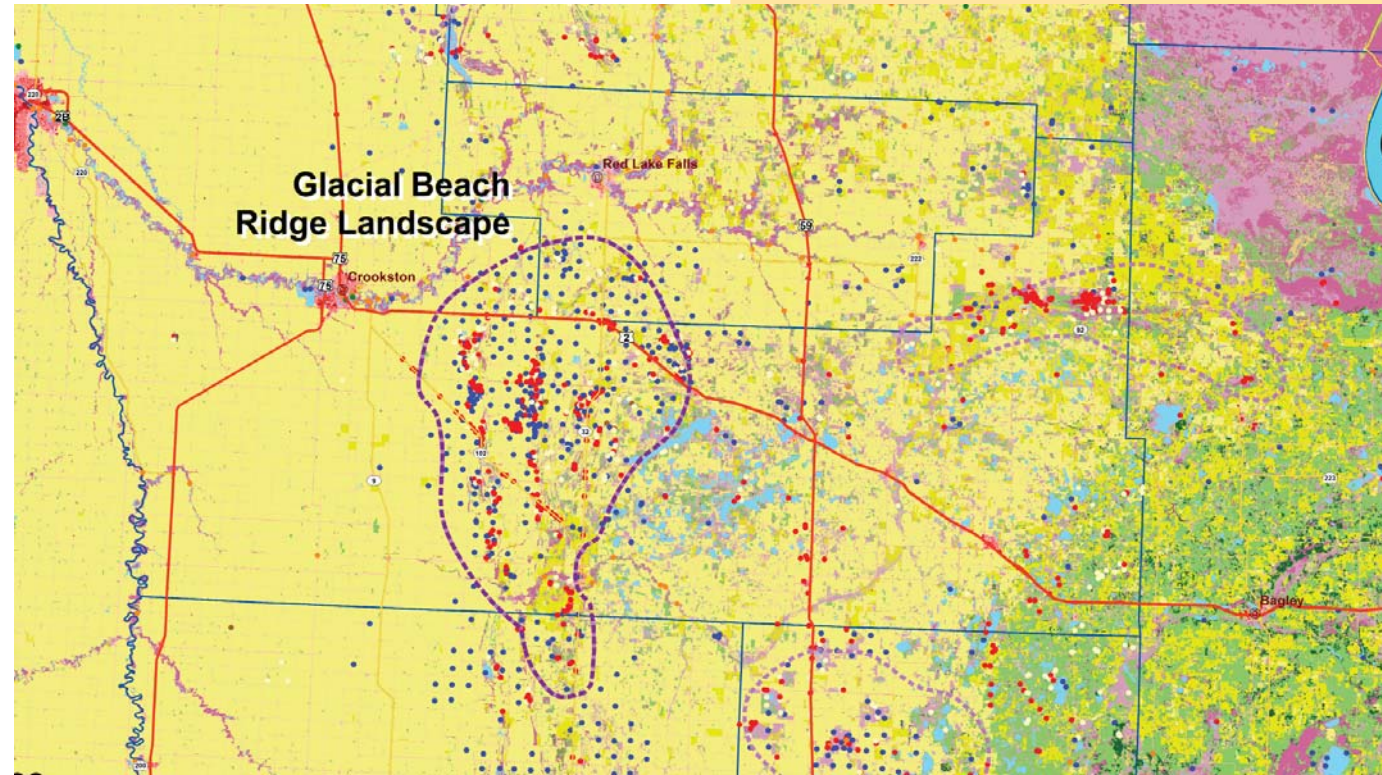


Photo courtesy of minnesotaseasons.com

# Glacial Beach Ridge

Ecological Evaluations, Land Cover, Public Ownership



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

# Glacial Beach Ridge

Marxan Prioritization, Element Occurrences

