

**Conservation Challenges:**

- \*Conversion to timber, mining and agricultural uses
- \*Changes in agricultural practices
- \*Increased dewatering makes stream flow more flashy, reduces groundwater
- \*Fluctuating/declining groundwater levels
- \*Invasive spp.: Buckthorns, Eurasian honeysuckle, garlic mustard, leafy spurge, EAB
- \*Habitat fragmentation
- \*Agricultural water pollutants/sedimentation

**Conservation Opportunities:**

- \* Watershed is engaged in natural resource management planning
- \* Large amount of existing publicly owned recreational land

**Existing Conservation Network:**

**State Parks:** Gooseberry Falls  
Split Rock Lighthouse  
Tettegouche

**State Forests:**

**SNAs:** Moose Mountain

**Aquatic Management Areas:** Sucker River  
Knife River,  
W. Branch

**Private:**

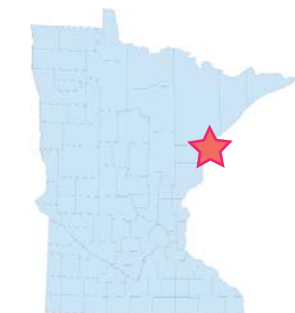
**Rare Features:**

- |   |                              |
|---|------------------------------|
| A hybrid Clubmoss                             | Maidenhair Spleenwort        |
| A Species of Lichen                           | Marsh Reedgrass              |
| A Species of Sedge                            | Matricary Grape fern         |
| A Species of sedge                            | Moschatel                    |
| Alpine Bistort                                | Narrow False Oats            |
| Alpine Woodsia                                | Neat Spike-rush              |
| Appalachian Fir-clubmoss                      | Necklace Spike Sedge         |
| Bald Eagle                                    | Northern Myotis              |
| Barren Strawberry                             | Northern Single-spiked Sedge |
| Bat Concentration                             | Pale Manna Grass             |
| Black Hawthorn                                | Pale Moonwort                |
| Black-throated Blue Warbler                   | Pale Sedge                   |
| Blanding's Turtle                             | Peregrine Falcon             |
| Braun's Holly Fern                            | Rock Clubmoss                |
| Butterwort                                    | Rock Vole                    |
| Canadian Wormwood                             | Rock Whitlow-grass           |
| Carolina Spring-beauty                        | Ross' Sedge                  |
| Chives  | Rough Bentgrass              |
| Club-spur Orchid                              | Satiny Willow                |
| Clustered Bur-reed                            | Shortjaw Cisco               |
| Composition (Middle Proterozoic)              | Small-flowered Woodrush      |
| Creeping Juniper                              | Small Shinleaf               |
| Eastern Hemlock                               | Small White Water-lily       |
| Encrusted Saxifrage                           | Smoky Shrew                  |
| Garber's Sedge                                | Smooth Woodsia               |
| Hanging fringe lichen                         | Stream Erosion (Quaternary)  |
| Holboell's Rock-cress                         | Torrey's Manna-grass         |
| Hudson Bay Eyebright                          | Tricolored Bat               |
| Igneous                                       | Vasey's Pondweed             |
| Igneous Unit or Sequence (Middle Proterozoic) | White Baneberry              |
| Intermediate Sedge                            | Wolf's Bluegrass             |
| Kiyi  | Yellow Sedge                 |
| Knotty Pearlwort                              |                              |
| Lake and Wetland Composite (Quaternary)       |                              |
| Lake Erosion (Quaternary)                     |                              |
| Lake Sturgeon                                 |                              |
| Lance-leaved Violet                           |                              |
| Laurentian Bladder Fern                       |                              |
| Least Moonwort                                |                              |
| Long-leaved Arnica                            |                              |

**Southern North Shore  
Opportunity Area**

**Ecological Significance:**

The Southern North Shore is one of the most important recreational landscapes in Minnesota. This Opportunity Area contains some of the most popular destinations along the North Shore, and also contains a variety of habitats that are endemic to the North Shore in Minnesota. This landscape is partially sustained by the cooler microclimate provided by Lake Superior, and will be vulnerable to a warming climate. In addition, heavy development pressure will occur due to the scenic and recreational value that the area provides for the Upper Midwest, particularly as population growth, economic development and warmer summers place greater demands on this landscape. Natural areas will have a need for greater protection as pressures for increased development occur from expanding tourism. Natural areas are critical for preservation as habitats vary greatly that from the lakeshore to the highlands on the backslope of the Sawtooth Mountains.



**Counties:**

Lake  
St. Louis

**Rare Native Plant Communities:**

- Alder - (Maple - Loosestrife) Swamp
- Black Spruce - Jack Pine Woodland, Black Spruce - Lake Superior Rocky Shore
- Red Oak - Sugar Maple - Basswood - (Bluebead Lily) Forest
- Sugar Maple - Basswood - (Bluebead Lily) Forest
- Sugar Maple Forest (North Shore)
- Upland White Cedar Forest
- White Cedar - Yellow Birch Forest
- White Pine - Red Pine Forest

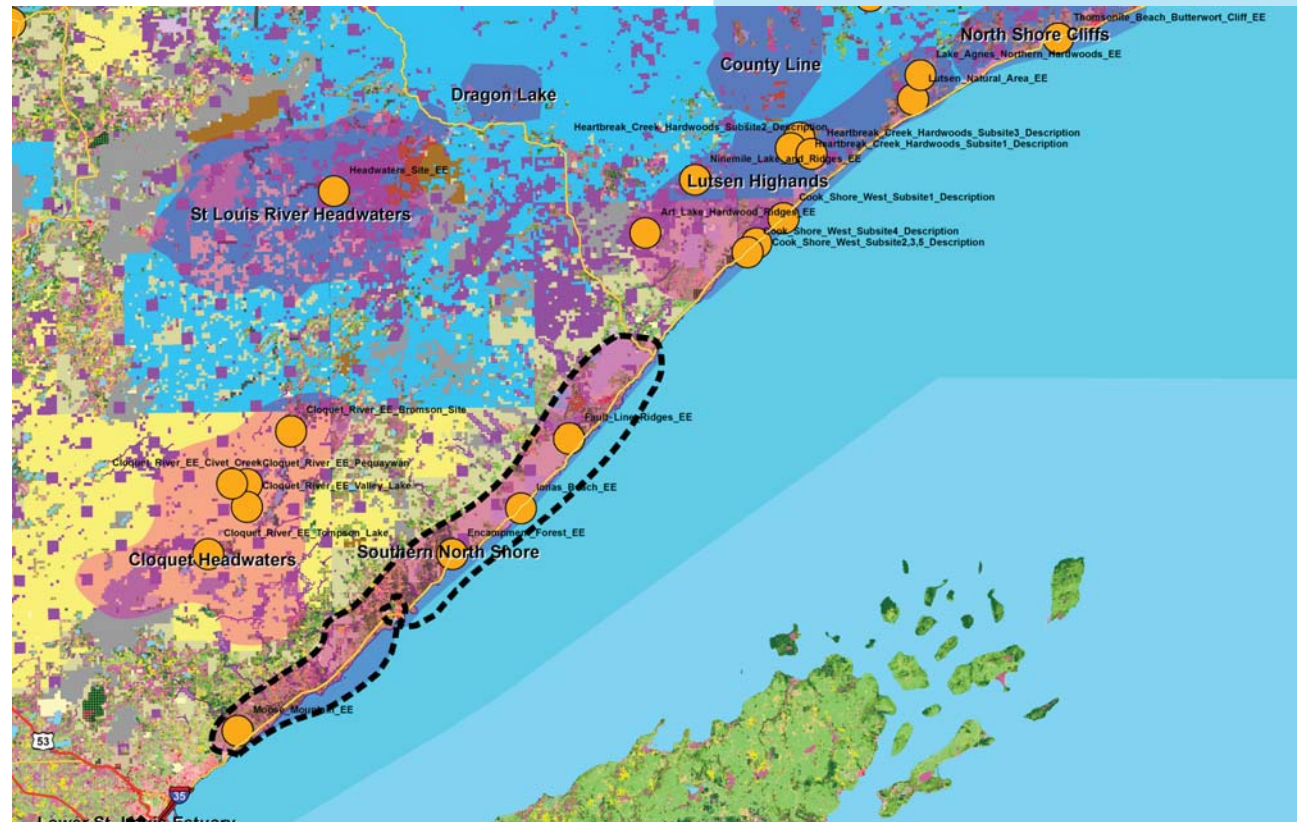
**Ecological Evaluations:**

- Encampment Forest
- Fault Line Ridges
- Iona's Beach
- Moose Mountain



# Southern North Shore

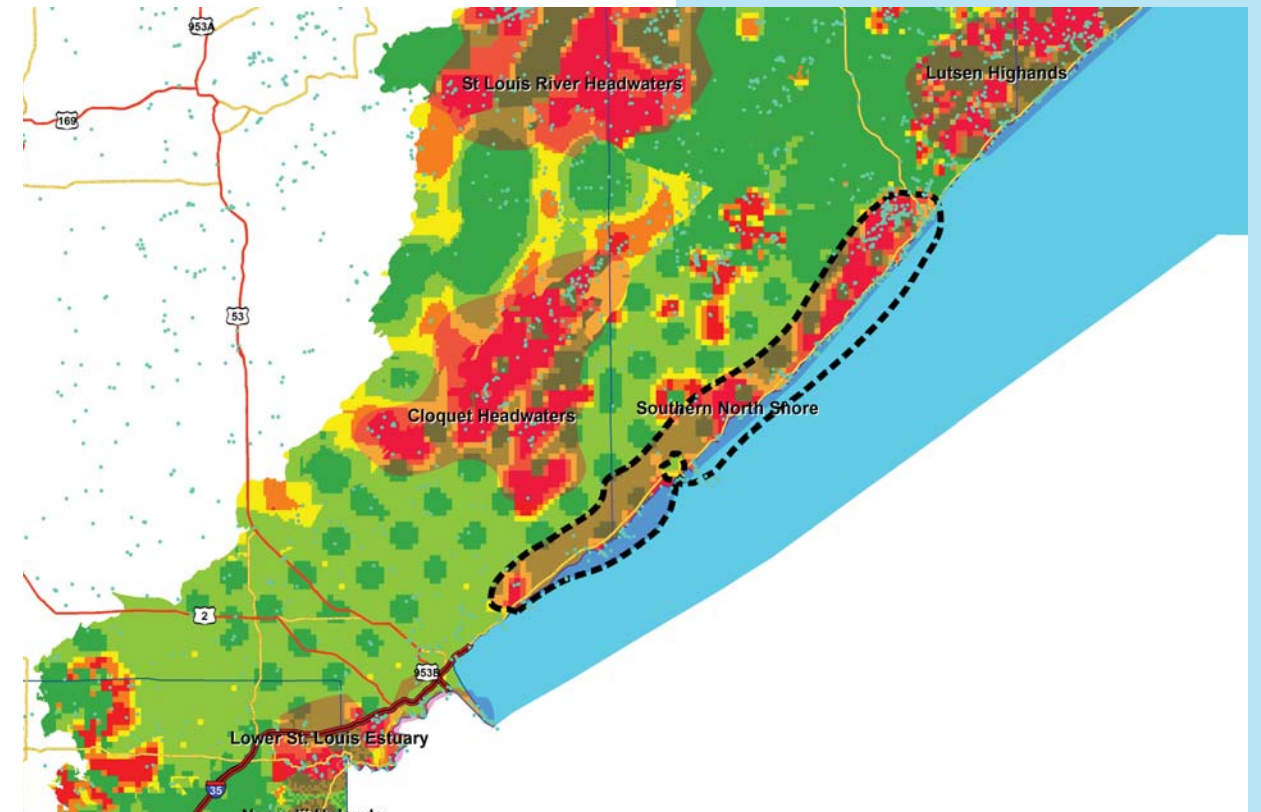
Ecological Evaluations, Land Cover, Public Ownership
















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

# Southern North Shore

Marxan Prioritization, Element Occurrences



## Legend

-  Profiled COA
  -  Conservation Opportunity Area
  -  Rare Feature
  -  County Boundary
  -  Large Lake
- Marxan Conservation Prioritization**
-  Lowest Priority
  -  Low Priority
  -  Medium Priority
  -  High Priority
  -  Highest Priority
  -  Interstate Highway
  -  U.S. Trunk Highway
  -  MN Trunk Highway