

Pipestone Outcrops

Conservation Challenges:

- *Conversion to agricultural uses
- *Changes in agricultural practices
- *Increased draitiling makes stream flow more flashy, reduces groundwater
- *Invasive spp.: Buckthorns, leafy spurge, EAB
- *Habitat fragmentation
- *Bedrock mining
- *Fire-dependent communities are likely to decline due to difficulty in restoring natural fire regimes

Conservation Opportunities:

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Existing Conservation Network:

State Parks:

State Forests:

SNAs:

Wildlife Management Areas: Pipestone

Aquatic Management Areas:

Waterfowl Production Areas (USFWS):

Reinvest in Minnesota:

National Monument: Pipestone

Rare Species:

Blackfoot Quillwort
Buffalo Grass
Carolina Foxtail
Dakota Skipper
Forget-me-not
Hairy water-clover
A species of lichen
Little Barley
Mouse-eared Chickweed
Mud Plantain
Mudwort
Oregon Woodsia
Plains Prickly Pear
Short-pointed Umbrella-sedge
Slender Plantain
Smooth Orach
Three Stamened Waterwort
Topeka Shiner
Water-hyssop
Western Prairie Fringed Orchid

Pipestone Outcrops Opportunity Area

Ecological Significance:

Pipestone Opportunity Area is one of the smallest OAs that is proposed. It centers around the Pipestone National Monument and Sioux Quartzite outcrops in the area. This formation forms the substrate for the rare Sioux Quartzite outcrop community that is known for a number of rare species that inhabit the ephemeral rock pools that form in the spring on top of exposed quartzite. In addition, southern dry prairie and savanna/woodland groupings are located in the OA. This OA contains one of Minnesota's largest concentrations of rare plant species that specialize in rock outcrops.



Counties:

Pipestone



Photo by Fred Harris, MN DNR

Rare Native Plant Communities:

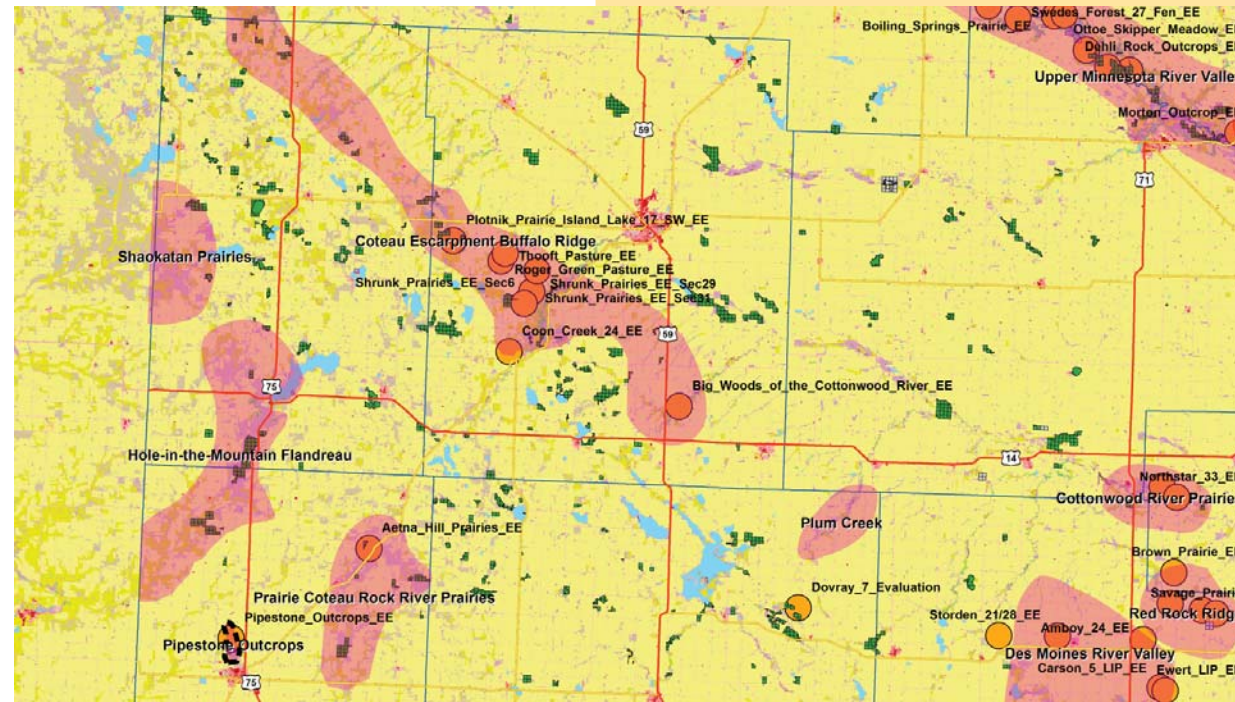
Southern Dry Prairie
Southern Crystalline Rock Outcrop - Sioux Quartzite Subtype

Ecological Evaluations:

Pipestone Outcrops

Pipestone Outcrops

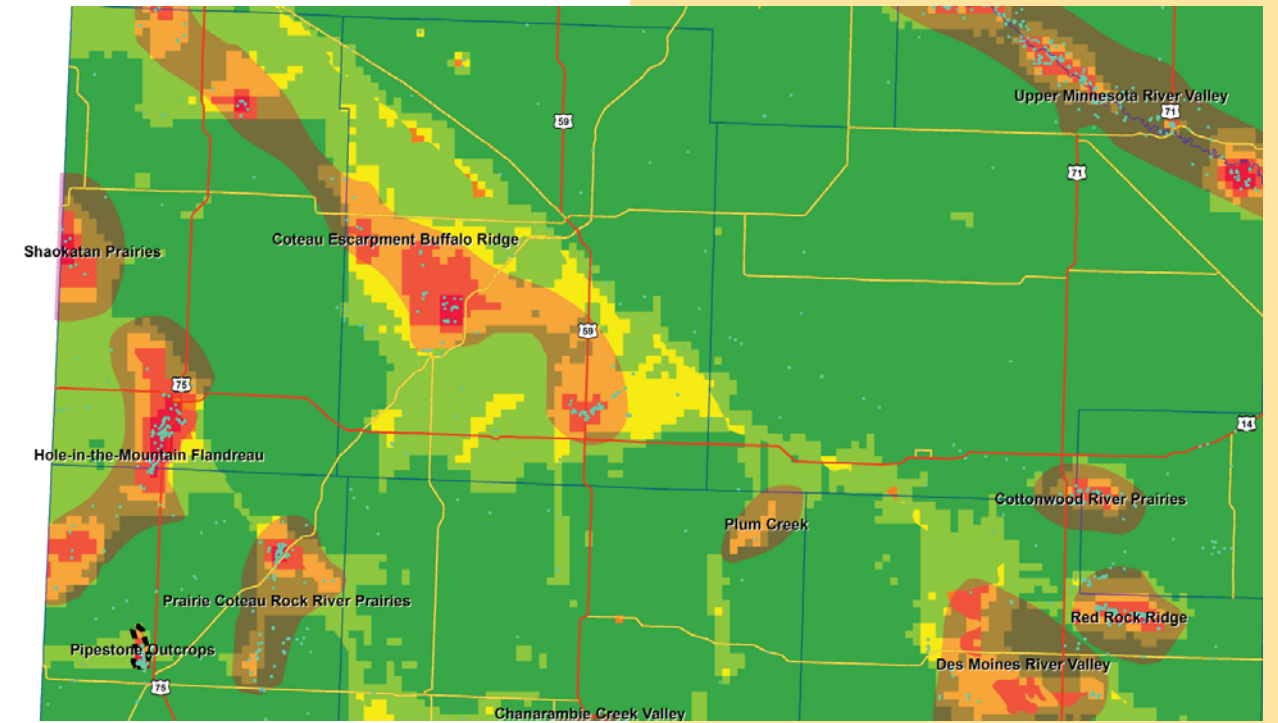
Ecological Evaluations, Land Cover, Public Ownership
















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

Pipestone Outcrops

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