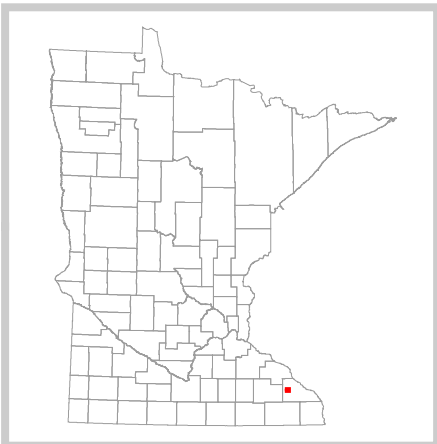
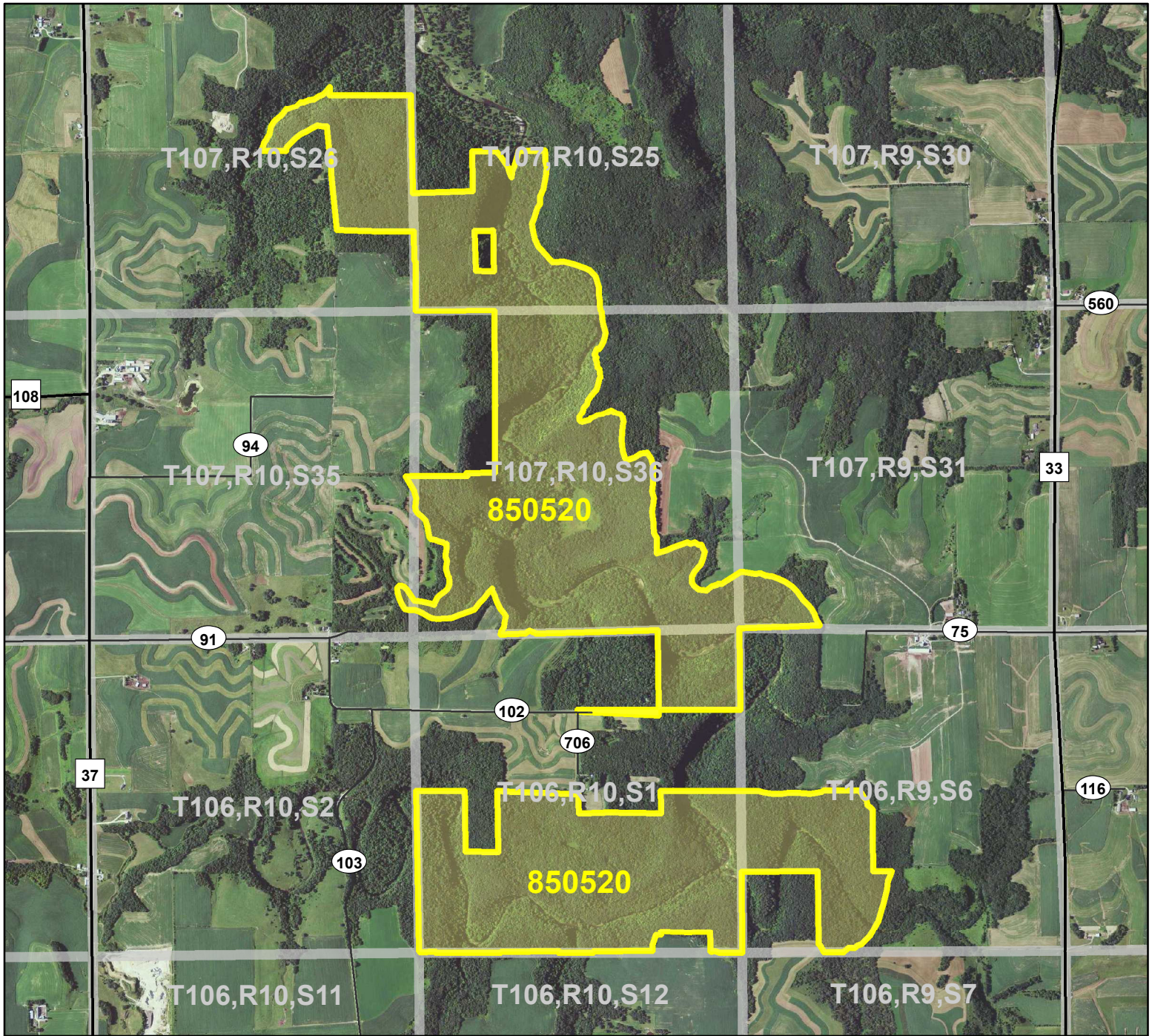






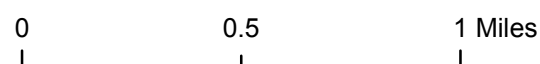
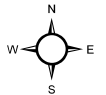
# HCVF Site 850520

## South Fork Whitewater WMA, Winona County



**Legend**

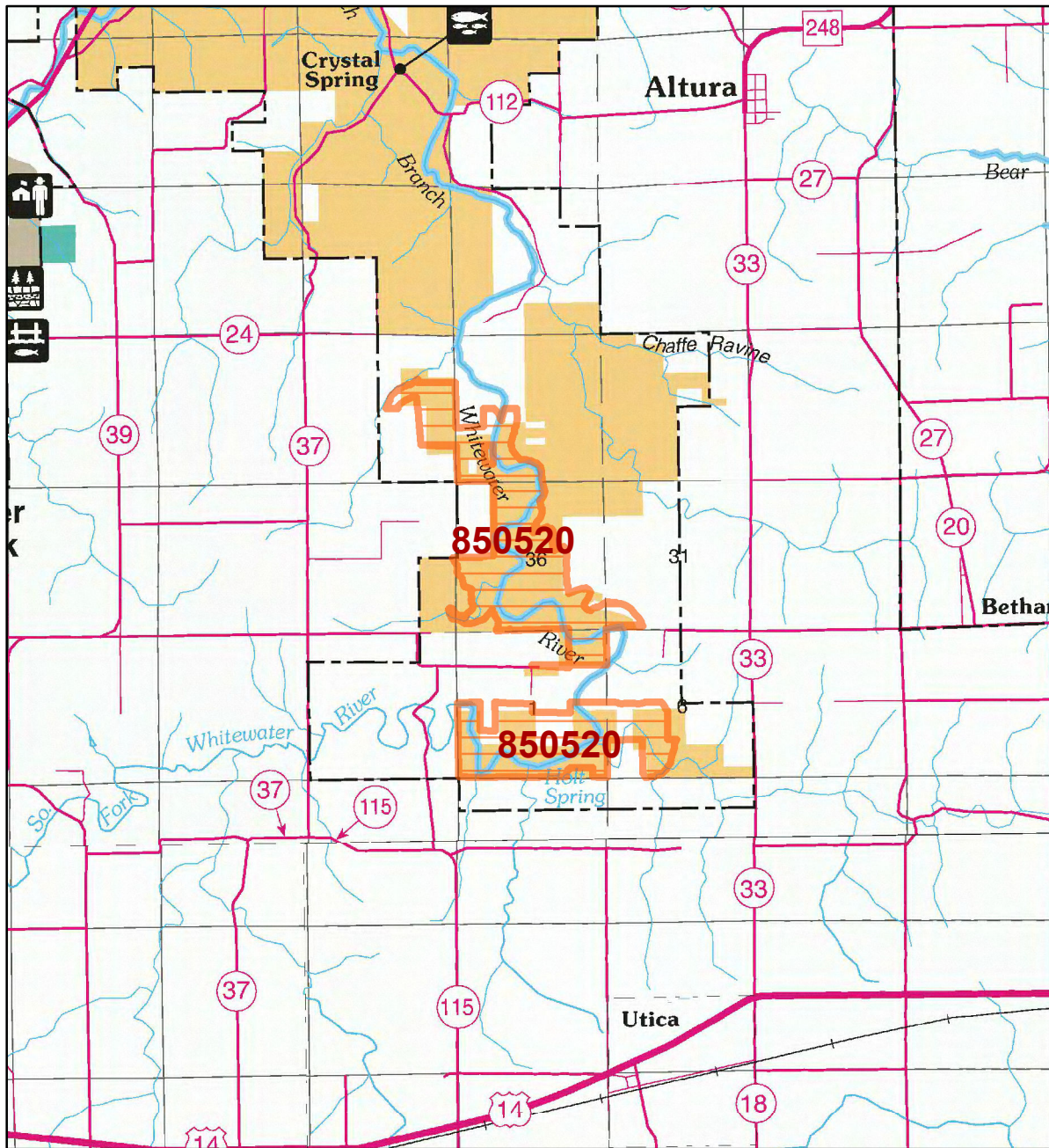
-  County Highways
-  Municipal, Township or Other Roads
-  HCVF Site
-  PLS Sections





# HCVF Site 850520

## South Fork Whitewater WMA, Winona County



**LEGEND**

**HCVF Site**

**MAP EXPLANATION**

**LAND OWNERSHIP**

- County Land
- Recreation Area under 40 acres
- State Forest Land
- State Park and Recreation Land
- State Wildlife Management Area Land
  - W.M.A.'s under 40 acres
- State Scientific & Natural Area Land
  - S.N.A.'s under 40 acres
- National Waterfowl Production Area
  - N.W.P.A.'s under 40 acres
- National Forest, Park, Wildlife Refuge & Recreation Land
- Bureau of Indian Affairs Land

**BOUNDARIES**

- County Unit Boundary
- State Unit Boundary
- National Unit Boundary

**TRAILS AND FOREST ROADS**

- State Trail
- State Forest Road

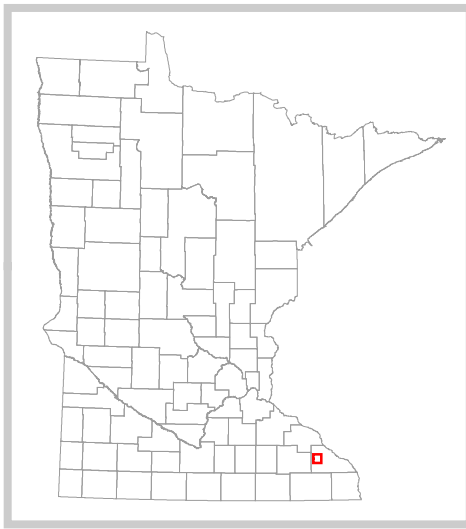
**DESIGNATED WATERWAYS**

- State Trout Stream
- State Canoe and Boating Route
- State Wild, Scenic & Recreational River (also designated Canoe & Boating Route)
- National Wild, Scenic & Recreational River (also designated Canoe & Boating Route)

**FACILITIES**

- D.N.R. Office
- Travel Information Center
- Rest Area (with facilities)
- Rest Area (limited facilities)
- Campground
- Watercraft Camping
- Equestrian Camping
- Water Access
- Carry-in Access
- Dam (on designated canoe route)
- Fishing Pier
- Overlook
- Parking
- Historic Site
- Geologic Feature
- Fish Hatchery
- Forestry Nursery
- National Great River Road
- State Great River Road

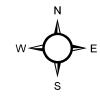
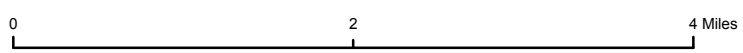
NOTE: Some of the features defined in this map explanation may not occur on the map.



The PRIM series was developed using funds provided through the Legislative Commission on Minnesota Resources (LCMR).

Base information was compiled from 1:100,000 series U.S. Geologic Survey planimetric maps.

Facility and ownership information was compiled from the following sources: Minnesota Department of Natural Resources, Minnesota Department of Transportation, State Planning Agency, Minnesota Historical Society and the respective counties.



*Land ownership categories on this map are in some cases outdated. HCVF sites are on DNR-managed land only; DNR HCVF sites have not been identified on other ownerships.*



# HCVF Informational Report

Report Run: September 3, 2013

## General Information

**HCVF #:** 850520

**HCVF Name:** South Fork Whitewater WMA

**Acres of HCVF site:** 988.99

**County:** Winona

**Data edited by:** Region 3 HCVF Team

**Role:** Region 3 HCVF Team

**Date edited on:** 2013-07-24

**Corresponding Land Administrator(s):** FAW

**Management Unit Name(s) (if applicable):** South Fork Whitewater River Area (Whitewater WMA)

## HCVF Summary

Steep bluffs & floodplain along the South Fork of the Whitewater River in the Whitewater WMA . Very significant site: large tracts old-growth to mature maple-basswood forest & white pine- hardwood forest; algific talus slopes & maderate cliffs with rare snails; unique black ash swamp; lowland hardwood forest; numerous rare plants & rare birds. Seven old-growth OG s totaling 334 acres. Louisiana waterthrush, Acadian flycatcher. 0.3 acres of rare White pine-Sugar Maple-basswood Forest (Cold Slope)( MHC38a).

### **HCVs known to be present that factored into HCVF designation.**

*FSC expects DNR to maintain HCVs within designated HCVFs. Because HCVF boundaries are not the same as the larger, multi-ownership MBS Sites, this list will differ from the values identified during the MBS Survey.*

HCV1a (G1 or G2 species): Bluff vertigo (*Vertigo meramecensis*). HCV1b (S1 or S2 species): Bluff vertigo (*Vertigo meramecensis*), a reptile/amphibian species, a vascular plant species, nodding wild onion (*Allium cernuum*), Short's aster (*Aster shortii*), narrow-leaved spleenwort (*Diplazium pycnocarpon*), smooth-sheathed sedge (*Carex laevivaginata*), spreading sedge (*Carex laxiculmis*), Carey's sedge (*Carex careyana*), James's sedge (*Carex jamesii*), blunt-lobed grapefern (*Botrychium oneidense*). HCV1e (Rare species concentration): 11 SGCN species, rare birds, rare plants of forested habitats. HCV1f (Taxonomic group concentration): rare snails. HCV1g (Outstanding Key Habitats Examples): cliffs and talus, wetland non-forest. HCV2-EBFa (intact forest block): yes. HCV2-EBFb (old forest): yes. HCV3a (G1 or G2 plant community): MHC38a. HCV3b (S1 or S2 plant community): CTs43a2, Cts46a2, MHC38a, MHC39a, MHC49b, WFs57a. HCV3c (Special S3 plant community): CTs33b, MHC38a, MHC39b, MHC49a. HCV3d (Natural origin pine stand): white pine. HCV3e (Old-growth forest): stand 581 NH63 (30 acres), stand 583 O73 (31 acres), stand 35 NH63 (25 acres).

## Management Considerations

**Overall management objectives for the entire HCVF:**

For old-growth forest, primary concerns are invasive species (one important one is garlic mustard, which is becoming common in lowland hardwood forest) and trespass by OHVs. For other forests, management should ensure that adequate canopy cover for forest interior birds and rare plants is retained, and care taken not to disturb forest ground layers. Minimal canopy opening would help ensure the protection/maintenance of rare native plant communities and rare species.

**Management direction from the following sources was considered in developing the above recommendations:**

High Biodiversity Site Plan

**Are the HCVs within this HCVF likely to benefit from coordination with adjacent landowner(s)?**

\_Yes\_

*This HCVF was flagged by the Regional HCVF Team as warranting cross-ownership coordination efforts. The specific HCVs likely to benefit from such coordination with adjacent landowners are identified below.*

private landowners

## General Comments

This is a "High Biodiversity Site" identified by the Blufflands SFRMP

*Reference to rare plants and animals, Minnesota Biological Survey Sites of Biological Significance and mapped native plant communities are records maintained in the Minnesota DNR's Natural Heritage Information System (NHIS). A date of information is associated with each record. The NHIS is continually updated as new information becomes available. The lack of data listed for any geographic area should not be construed to mean that no significant features are present.*

... Report End ...