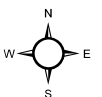
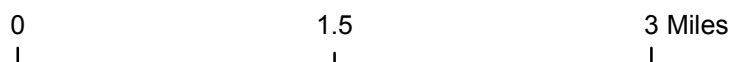
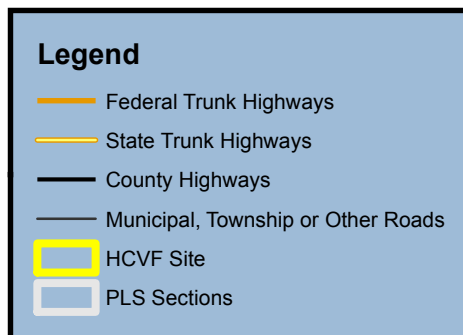
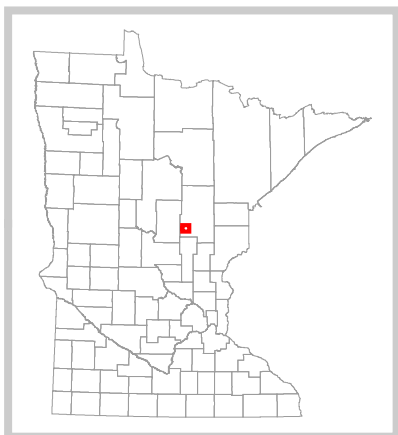
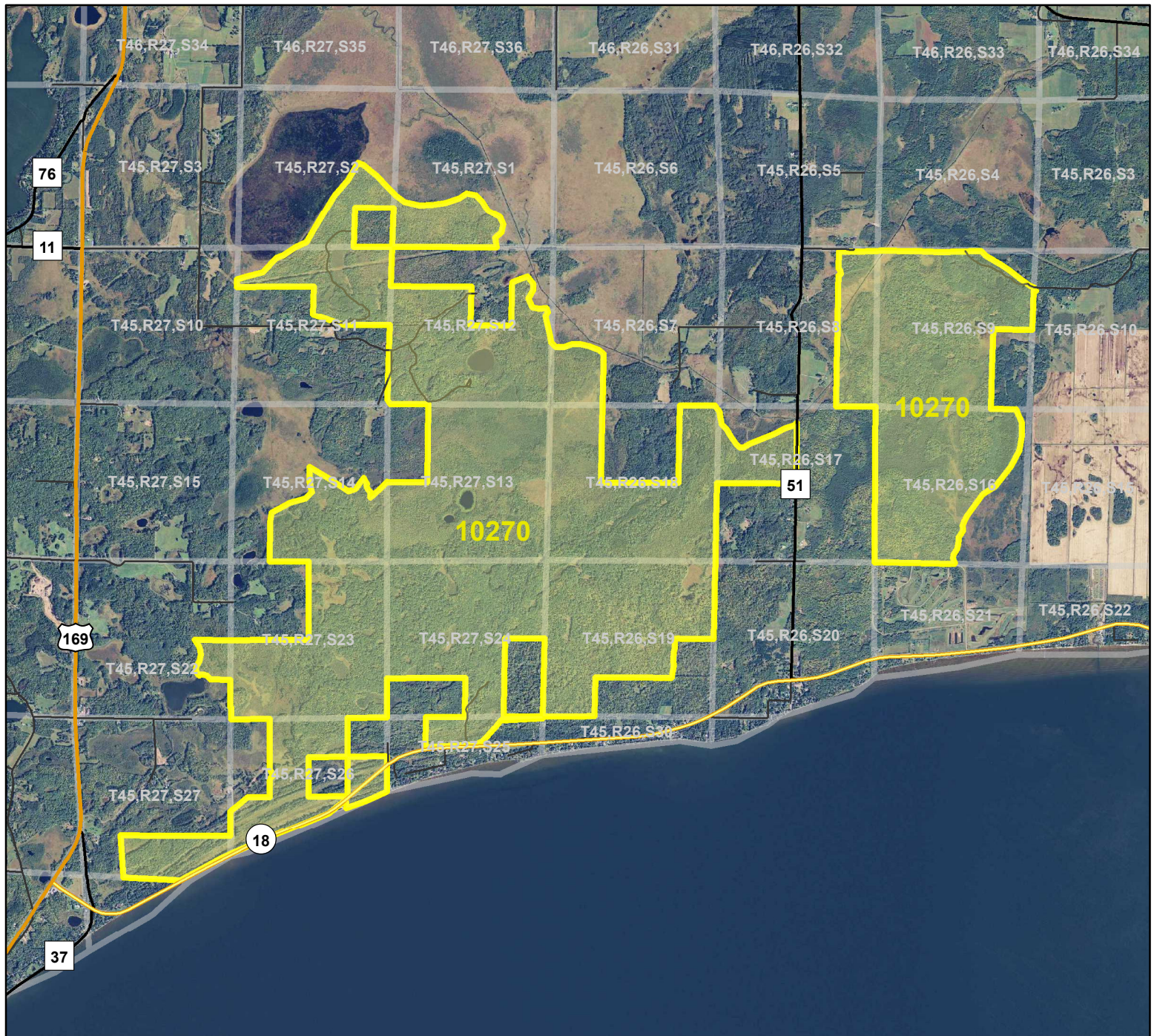


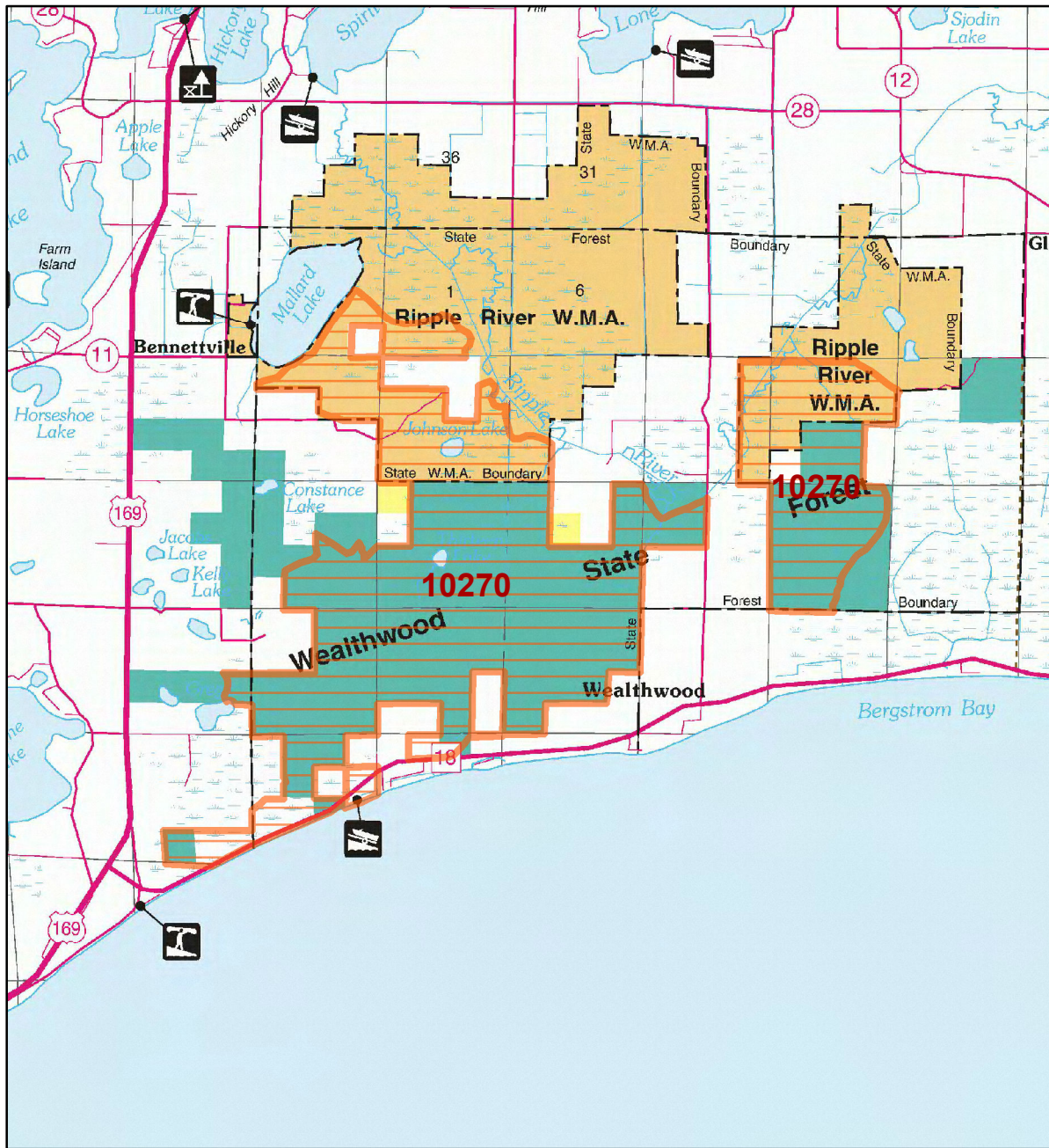
HCVF Site 10270

Wealthwood Hardwoods and Beach Ridges, Aitkin County

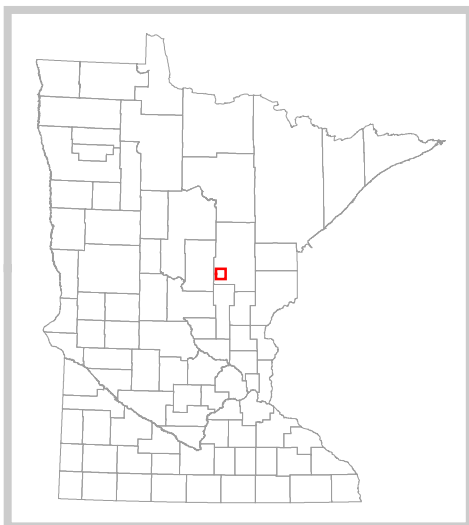


HCVF Site 10270

Wealthwood Hardwoods and Beach Ridges, Aitkin County



- LEGEND**
- 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.



0 2.25 4.5 Miles

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 #: 10270

HCVF Name: Wealthwood Hardwoods and Beach Ridges

Acres of HCVF site: 5458.94

County: Aitkin

Data edited by: NE HCVF Workgroup

Role: NE HCVF Workgroup

Date edited on: 2013-07-26

Corresponding Land Administrator(s): DNR Forestry, F&W

Management Unit Name(s) (if applicable): Wealthwood State Forest, Ripple River WMA

HCVF Summary

Upland forest & forested and non-forested wetlands in portions of the Wealthwood SF and the Ripple River WMA along the north-northwest shore of Lake Mille Lacs. Uplands with good quality, mature MHn/MHc forests with good landscape canopy continuity. Very good examples of rich mesic hardwood ground flora including spring ephemerals (one rare). Notable concentration of rare species for the Section. Many NH acres here managed for quality hardwoods (oak). Some concentrated areas of windthrow in the NNE part of the site. State HCVF acres on the Malmo Peatlands LTA and the Mille Lacs Moraine LTA. State HCVF acres also include a series of ice ramparts (i.e., beach ridges) and undeveloped Lake Mille Lacs shoreline as described in MBS Site 10260; this MBS site is in the process of SNA designation.

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.

HCV1b (S1 or S2 species): 3 Botrychium (spp.), 1 spring ephemeral plant (sp.). HCV1e (Rare species concentration): 1 raptor, 1 amphibian, SGCN birds, and plants. HCV1f (Taxonomic group concentration): SGCN birds. HCV1g (Outstanding Key Habitats Examples): Forest lowland conifer, Wetland non-forest, Shoreline, a limited amount of Forest upland conifer. HCV2-LMFa (Large habitat block): Upland with wetland forest matrix. HCV2-LMFbii (blocks with rare species): yes. HCV3c (Special S3 plant community): WFn53b (White cedar swamp). HCV3d (Natural origin pine stand): 5 acres of red pine.

Management Considerations

Overall management objectives for the entire HCVF:

Maintain/enhance rare fern and rare spring ephemeral locations - maintain existing canopy cover and ground layer conditions. Apply [yet to be developed] management guidelines that combine red-shouldered hawk, salamander, SGCN birds, rare plants. Silvicultural prescriptions in Key Habitat or rare native plant communities (native plant communities) maintains or enhances the floristic, structural, and spatial components that define the native plant community; see SRM Objective code CON1. Maintain/enhance WFn53b occurrences. Apply DNR HCV General Landscape Guidance. Maintain/enhance existing natural origin pine component within the forest matrix; enhance opportunities for natural regeneration of these species. Develop plan to address HCVs in managing for quality hardwoods (oak, et al.).

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

MLU SFRMP

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

No

General Comments

Finalize Ice Ramparts SNA. High priority area for prevention of invasive earthworm spread.

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 ...