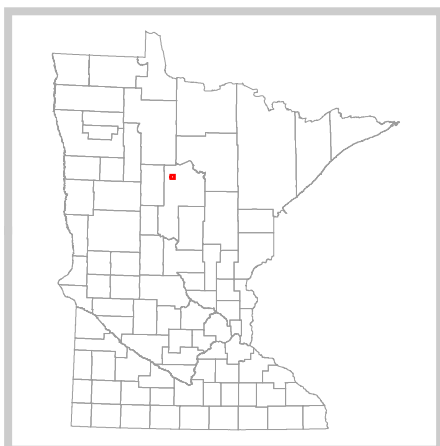
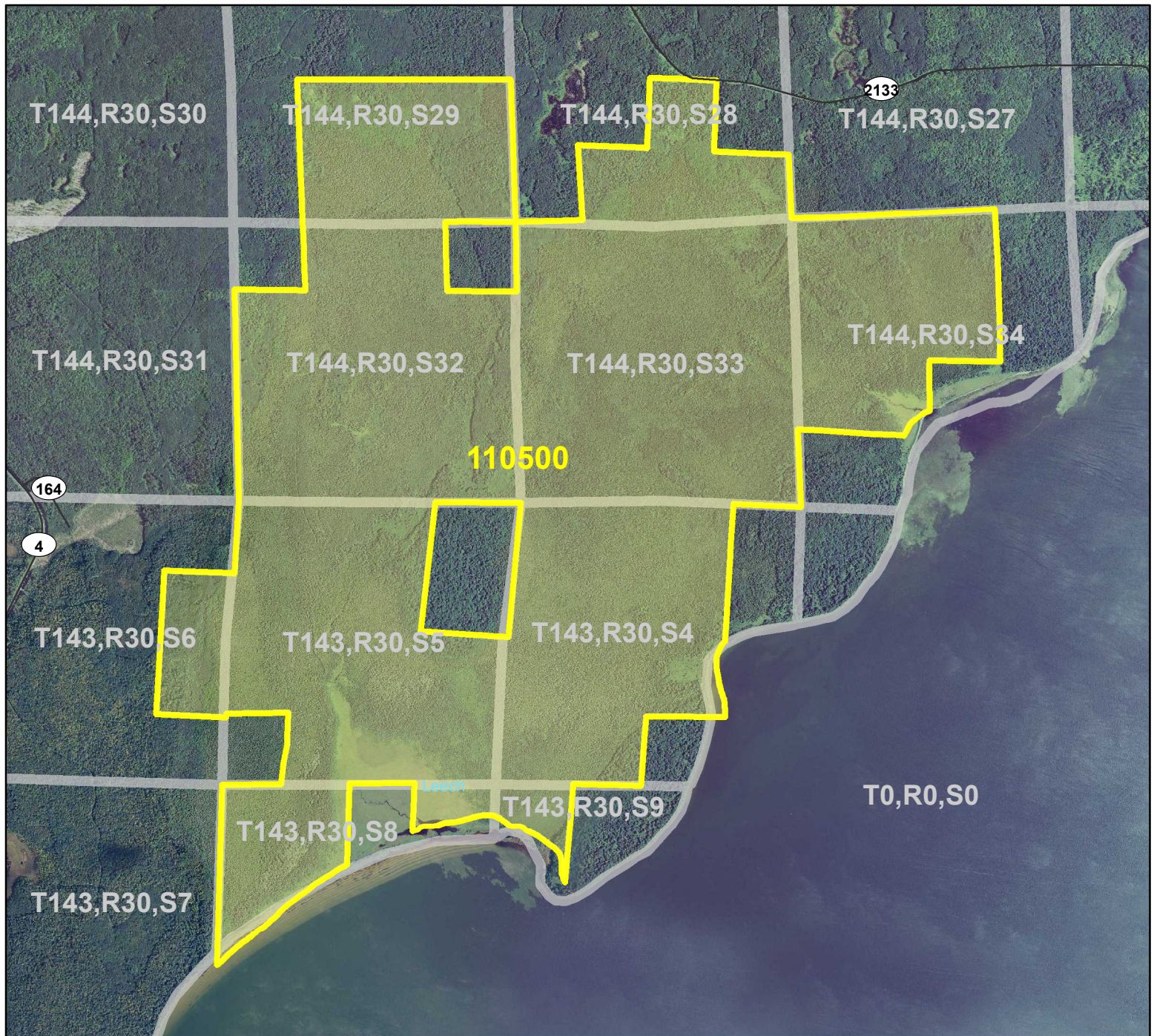


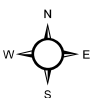
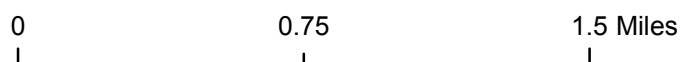
HCVF Site 110500

Hardwood Point, Cass County



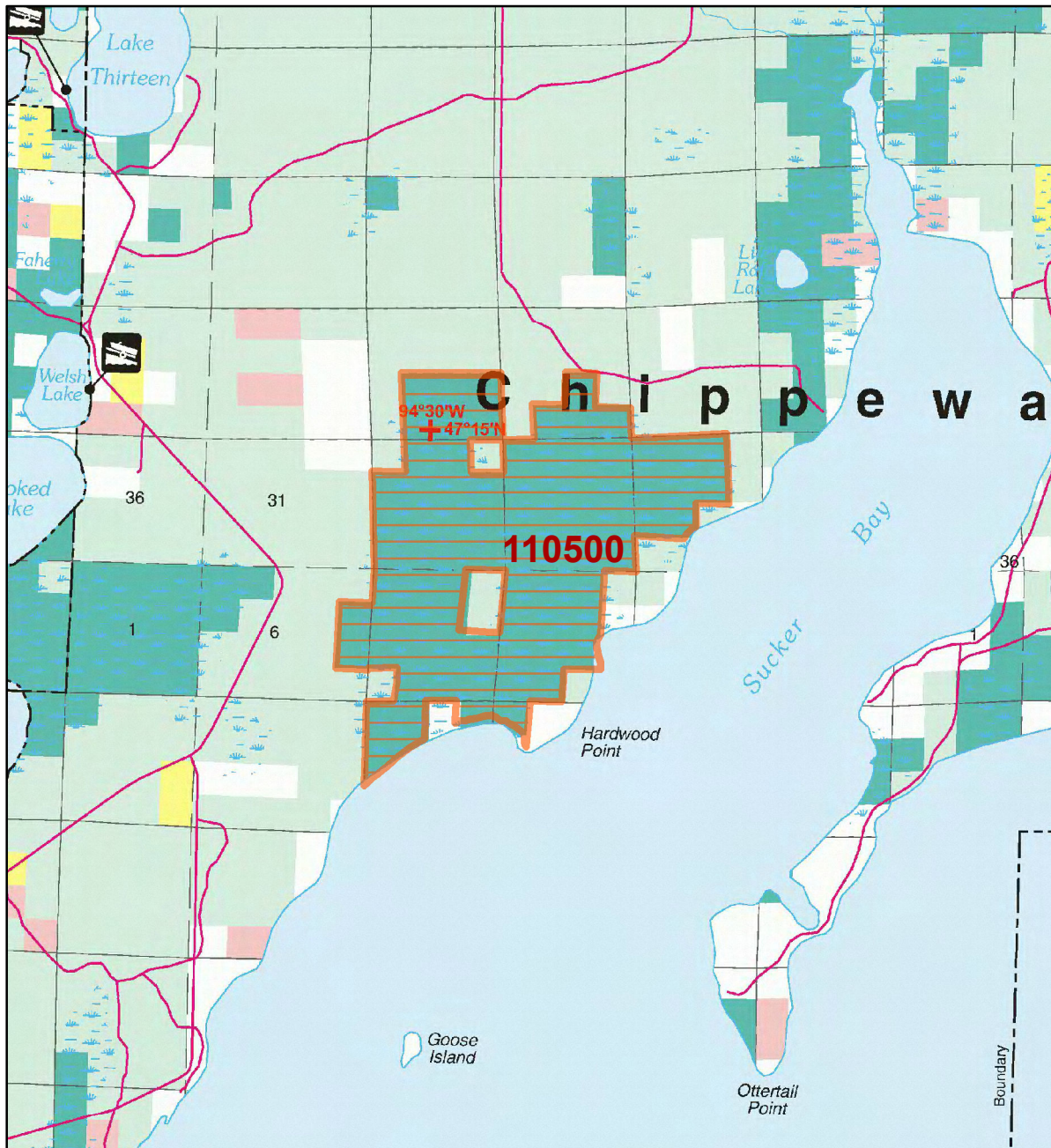
Legend

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



HCVF Site 110500

Hardwood Point, Cass 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

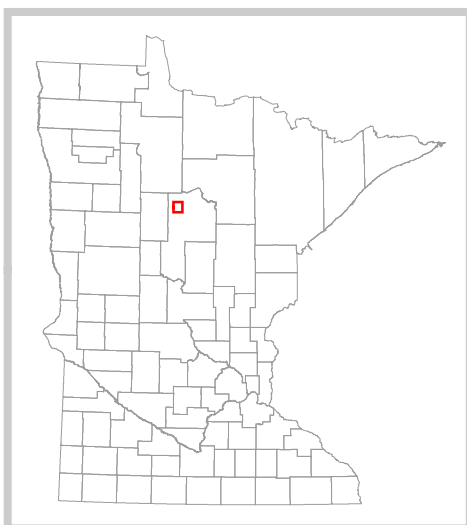
DESIGNATED WATERWAYS

- 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.



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 #: 110500

HCVF Name: Hardwood Point

Acres of HCVF site: 3113.00

County: Cass

Data edited by: Becky Marty, Erik Thorson

Role: NW Reg HCVF Team EWR and Wildlife Representatives

Date edited on: 2013-08-22

Corresponding Land Administrator(s): Forestry

Management Unit Name(s) (if applicable): Bowstring State Forest

HCVF Summary

Contiguous block of swamp forest (cedar, tamarack, and ash) on state lands, surrounded by mesic hardwoods on Chippewa NF; MHs39c = 23+ acres; >500 acres of old cedar that is probably primary forest. Most of MHs39c also likely primary forest. Designated OG cedar, 32 acres; an OG also in site.

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.

LAURENTIAN MIXED FOREST PROVINCE HCVs: 1b (S1 or S2 species): 2 plants; 2bi -LMF (Late successional forest block): 3,113 ac; 2bii - LMF (Late-successional forest blocks with rare species): yes; 3b (S1 or S2 plant community): MHs39c (greater than 80 acres); 3c (Special S3 plant community): FPN63 (greater than 2, 300 acres), MHn47 (greater than 150 acres); 3e (Old growth forest): 32 acres Cedar, some ; 3f (Potential primary forest).

Management Considerations

Overall management objectives for the entire HCVF:

Region HCVF Recommendations - Maintain diverse ground layer. - Determine extent of the rare plants; actively maintain and manage the plant communities for the rare plants. - Minimize size and impact of management on continuous crown to maintain habitat for rare plants. - Maintain intact nature of forest block. - Manage to maintain or promote older growth stages; maintain the designated and OG. - Verify primary forest.

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

2008 Chippewa Plains-Pine Moraines and Outwash Plains SFRMP.

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.

HCV 1b, 2bi, 2bii, 3b, 3c, 3e. Multiple rare species, plant communities and SGCNs extend onto adjacent federal lands.

General Comments

No information entered.

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 ...