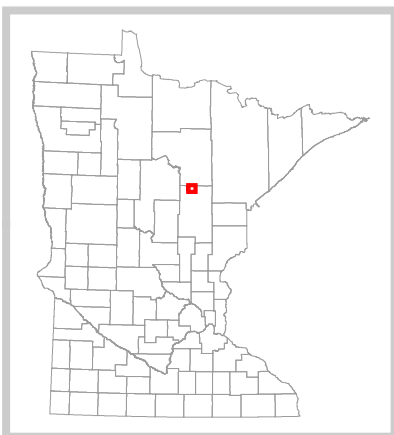
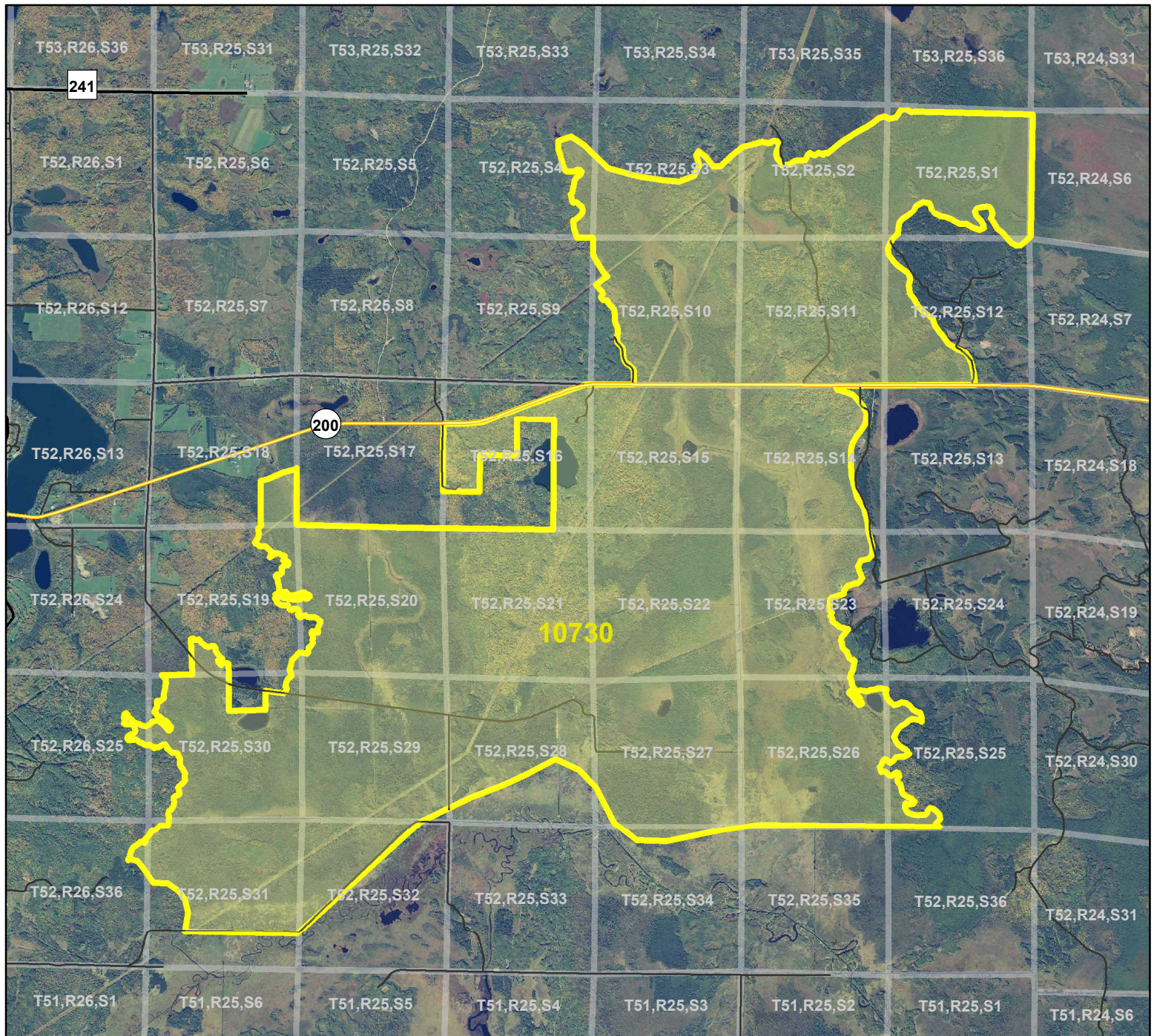


# HCVF Site 10730

## Hill City East Peatlands and Hardwoods, Aitkin County



### Legend

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



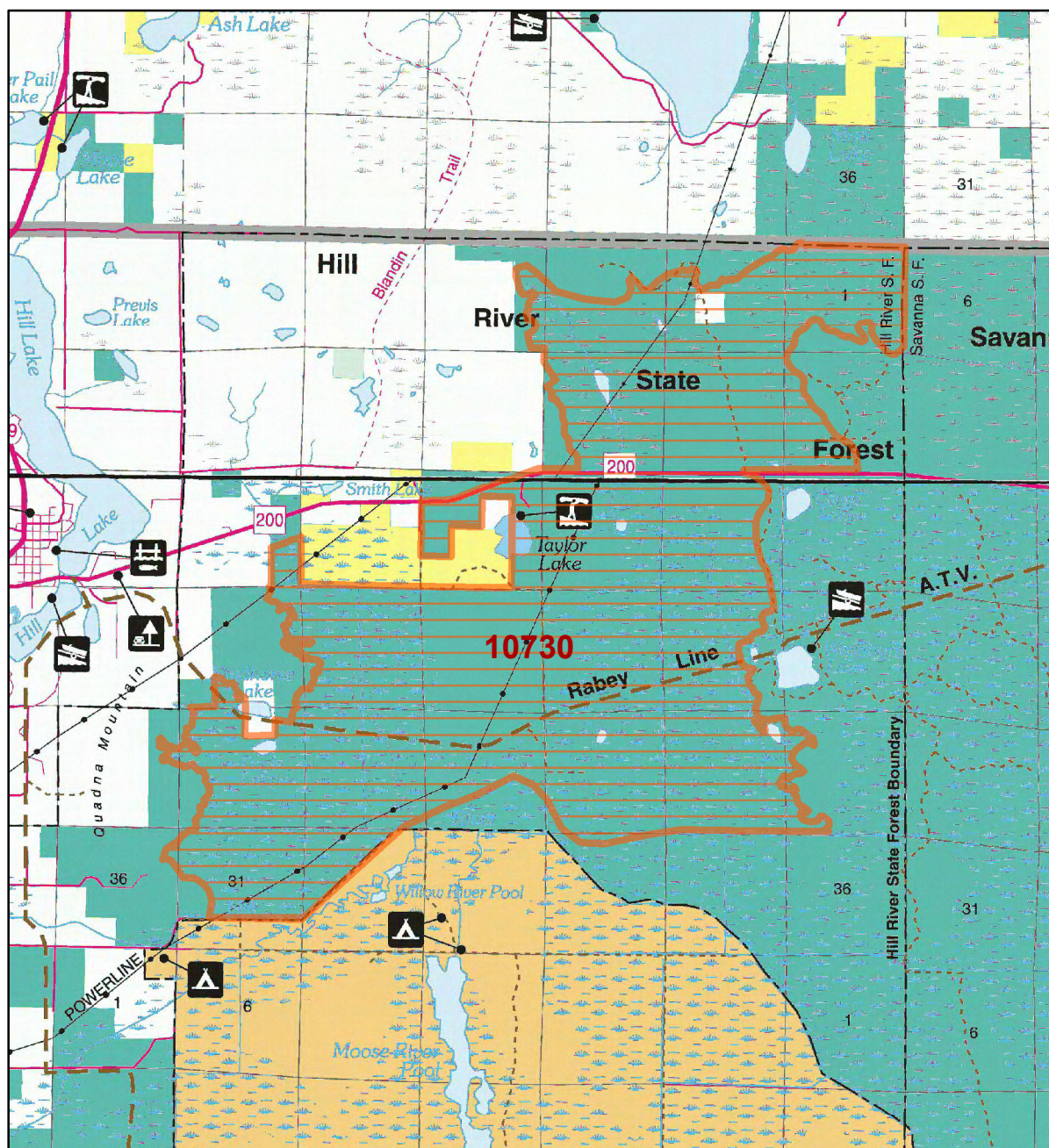
0 1.5 3 Miles



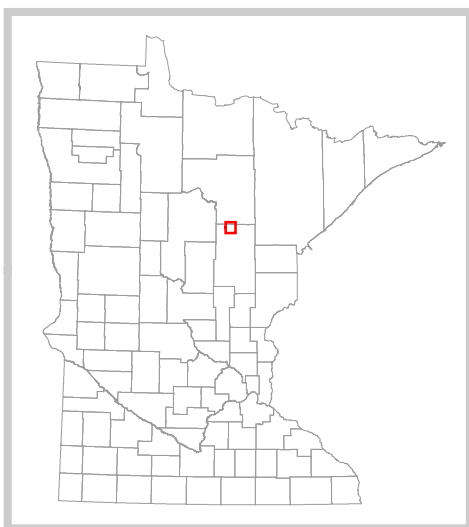


# HCVF Site 10730

## Hill City East Peatlands and Hardwoods, Aitkin 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 #: 10730**

**HCVF Name:** Hill City East Peatlands and Hardwoods

**Acres of HCVF site:** 10212.39

**County:** Aitkin

**Data edited by:** NE HCVF Workgroup

**Role:** NE HCVF Workgroup

**Date edited on:** 2013-07-26

**Corresponding Land Administrator(s):** DNR Forestry

**Management Unit Name(s) (if applicable):** Hill River State Forest

## HCVF Summary

St. Louis Moraines uplands (Pokegama Moraine LTA) adjacent to Tamarack Lowlands lowland conifer swamps (Moose-Willow Peatlands LTA). Uplands significant for rare forest species: red-shoulder hawk, rare ferns (*Botrychium* spp.), and rare salamander. Uplands also notable for mature mixed hardwood-pine forest with significant white pine component, 38 acres of which is designated old growth. HCVF Lowland conifer acreage part of a much larger peatland complex that extends to the south. Lowland conifer forest notable for orchids including three rare species and great potential for more. Large acreage of S3 native plant community WFn53b with rare species (orchids). Lowland conifers typically with section-line ditches as is usual in the larger Moose-Willow peatland. Two utility corridors bisect the site as does the Rabey Line recreational trail (former railroad). Uplands actively managed, lowlands with very little (any?) active forest management.

### **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): 1 plant. HCV1e (Rare species concentration): 1 raptor, 1 amphibian, 2 *Botrychium*, 3 orchids, SGCN birds. HCV1f (Taxonomic group concentration): orchids. HCV1g (Outstanding Key Habitats Examples): Forest lowland coniferous, Forest upland coniferous, Wetland non-forest. HCV2-LMFa (Large habitat block): Upland and lowland. HCV2-LMFbi (late-successional forest block): potential exists. HCV2-LMFbii (blocks with rare species): yes. HCV3c (Special S3 plant community): WFn53b, MHn47a, and MHn47/MHn35 mature forest with significant amounts of natural origin white pine. HCV3d (Natural origin pine stand): 136 acres white pine. HCV3e (Old-growth forest): 38 acres white pine, 46 acres lowland hardwoods/ash.

## Management Considerations

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



Maintain/enhance rare fern locations - maintain existing canopy cover and ground layer conditions. Apply [yet to be developed] management guidelines that combine red-shouldered hawk, salamander, and Botrychium spp. Protect known orchid concentration areas. Silvicultural prescriptions in Key Habitat or rare 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 existing natural origin pine as a component within the forest matrix; enhance opportunities for natural regeneration of these species. Apply DNR HCV General Landscape Guidance. Maintain/enhance >500 acre blocks around designated OG (OFMC) - Split Hand Lake road uplands. Maintain/enhance >500 blocks around forested areas with rare salamanders, rare ferns and red-shouldered hawk - Taylor Lake uplands.

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

North Four SFRMP

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

\_No\_

## 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 ...*