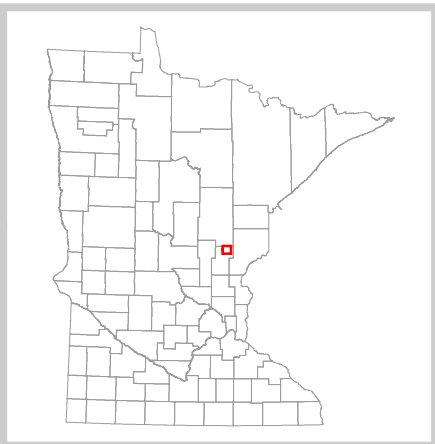
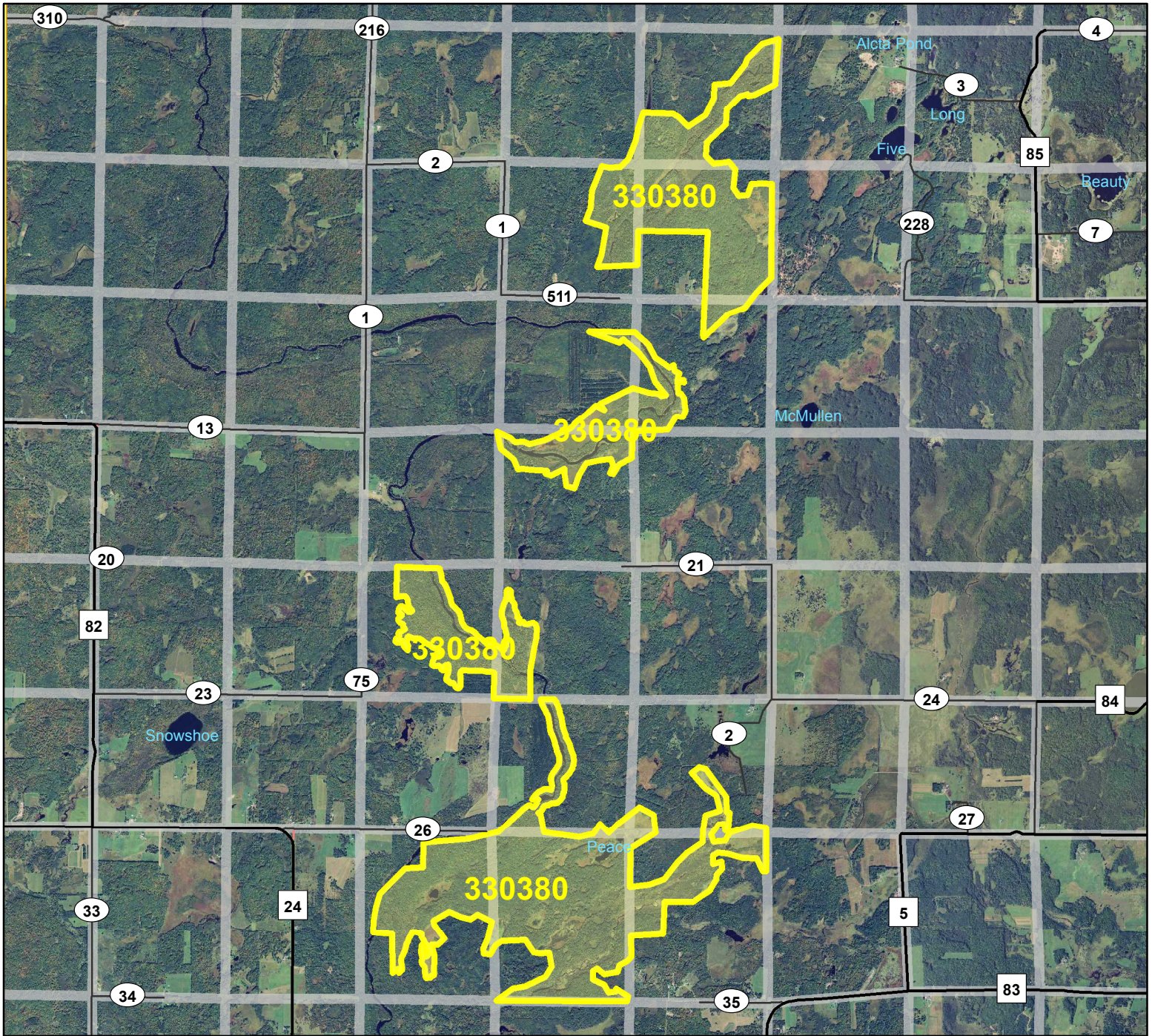








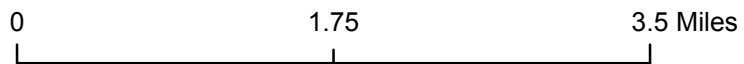
# HCVF Site 330380

## Snake River State Forest, Kanabec County



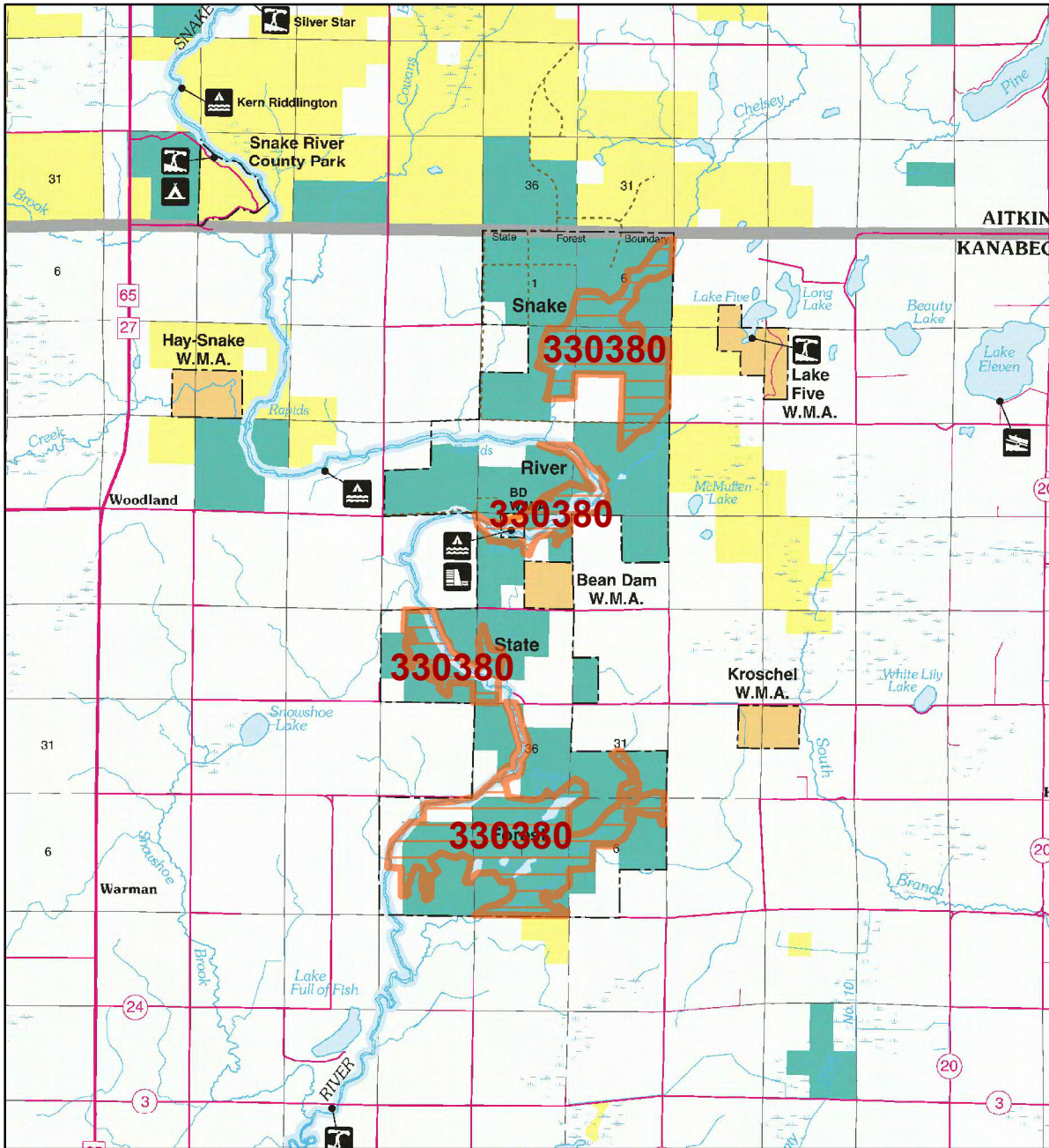
**Legend**

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



# HCVF Site 330380

## Snake River State Forest, Kanabec 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

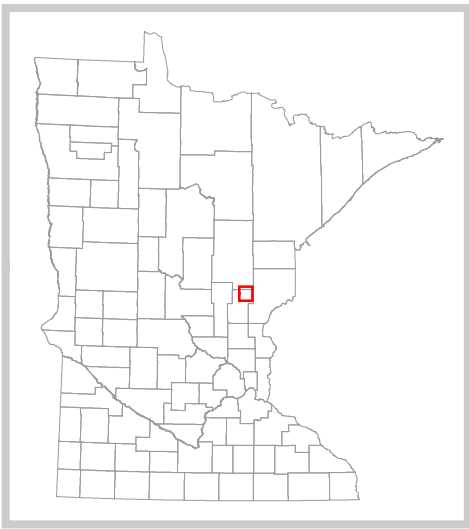
**DESIGNATED WATERWAYS**

- 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

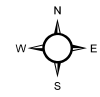
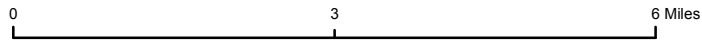
NOTE: Some of the features defined in this map explanation may not occur on the map.



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 #:** 330380

**HCVF Name:** Snake River State Forest

**Acres of HCVF site:** 2863.83

**County:** Kanabec

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

**Role:** Region 3 HCVF Team

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

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

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

## HCVF Summary

The northern portion of the Snake River SF has good quality examples of end and ground moraine features as well as portions of an esker and tunnel valley. Upland forest quality is mixed, but there are good quality native plant communities, including northern hardwood forest, oak forest, lowland hardwood forest, wet meadow, shrub swamp, poor fen, and black ash swamp. The southern portion of the Snake River SF contains good quality upland and wetland vegetation with an interesting band of isolated wetlands (tunnel valley landform?). The site has characteristics typical of an end moraine landform with irregularly rolling topography and numerous small and isolated wetlands. The site contains Peace Lake, which is completely undeveloped with an intact forest and wetland buffer surrounding it.

### **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): bog bluegrass (*Poa paludigena*), round pigtoe (*Pleurobema coccineum*), mucket (*Actinonaias ligamentina*); HCV1e (Rare species concentration): bog bluegrass (*Poa paludigena*), round pigtoe (*Pleurobema coccineum*), mucket (*Actinonaias ligamentina*), thread-like naiad (*Najas gracillima*), butternut (*Juglans cinerea*), gilt darter (*Percina evides*), southern brook lamprey (*Ichthyomyzon gagei*), spike (*Elliptio dilatata*), fluted-shell (*Lasmigona costata*), black sandshell (*Ligumia recta*); HCV1f (Taxonomic group concentration): invertebrate animals associated with river; HCV1g (Outstanding Key Habitats Examples): headwater to large river; HCV2-LMFbi (late-successional forest block): yes; HCV3b (S1 or S2 plant community): MRn83 [not ranked]; HCV3c (Special S3 plant community): FFn57a [not ranked], WFn74 [not ranked], APn91b (SW edge of range)[not ranked], MHc26 on esker and WMn82 in tunnel valley landforms [not ranked]; HCV3e (Old-growth forest): stand 35 O56 (128 ac, MHc26b).

## Management Considerations

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

Maintain forested and wetland buffers along the Snake River. Maintain older mesic hardwood forest of the unit through uneven aged management and patch harvests.

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

*No information entered.*

### **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 land including intact forest/wetland cover exists around this site. Some of the surrounding area has been cleared for agriculture/pasture and residential uses. The Snake River appears to be buffered by forest. The designated old-growth stand extends onto private land, thus coordination could help retain the entire site as old growth.

## **General Comments**

The HCVF site boundary does not match the MBS boundary. In consultation with area staff, we trimmed the MBS boundary to align with state land and the area within state land that represented the HCVs.

*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 ...*