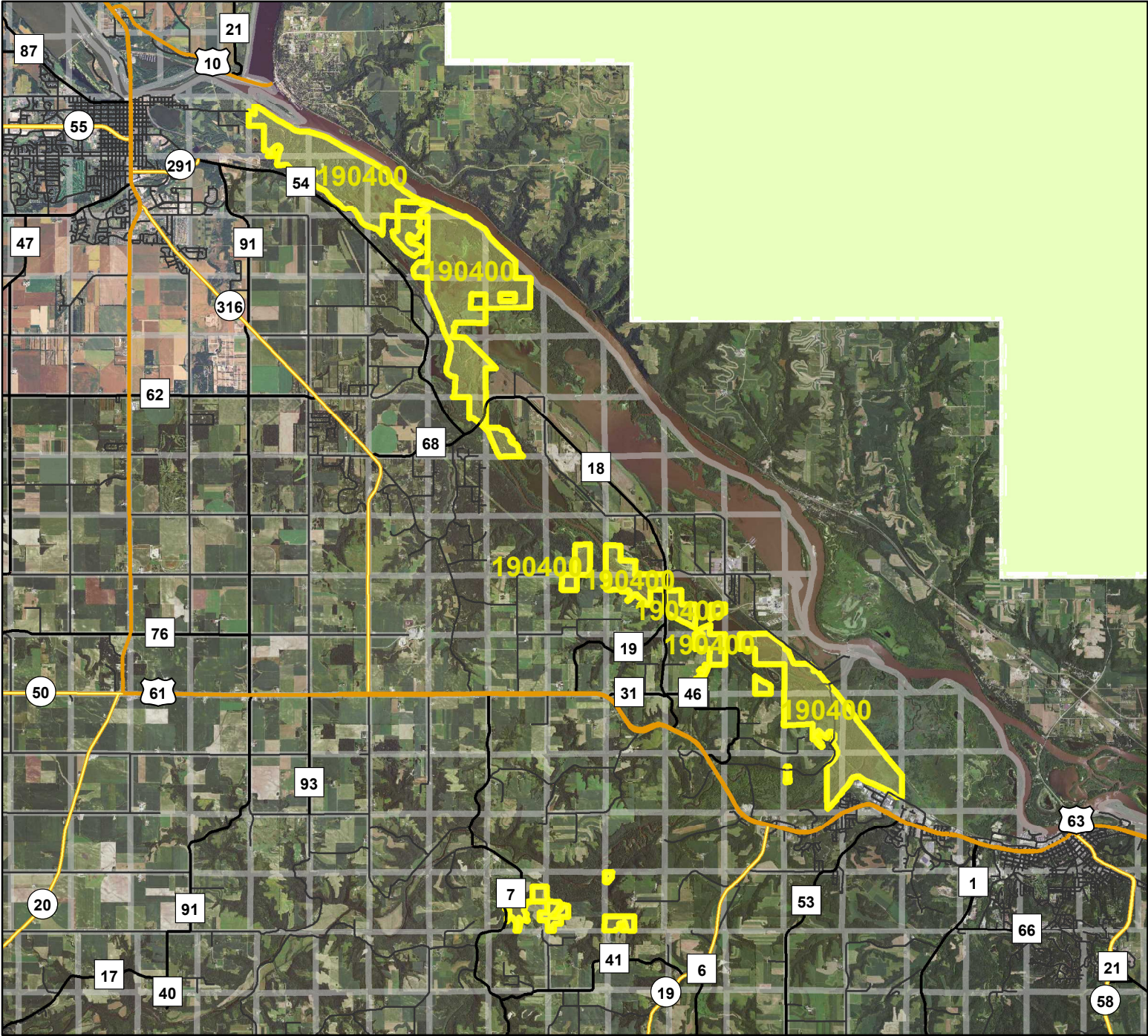









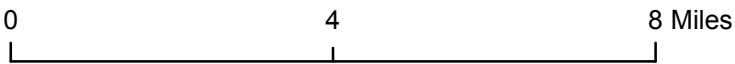
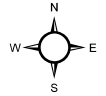
HCVF Site 190400

Vermillion Bottoms & Lower Cannon River Area, Dakota County



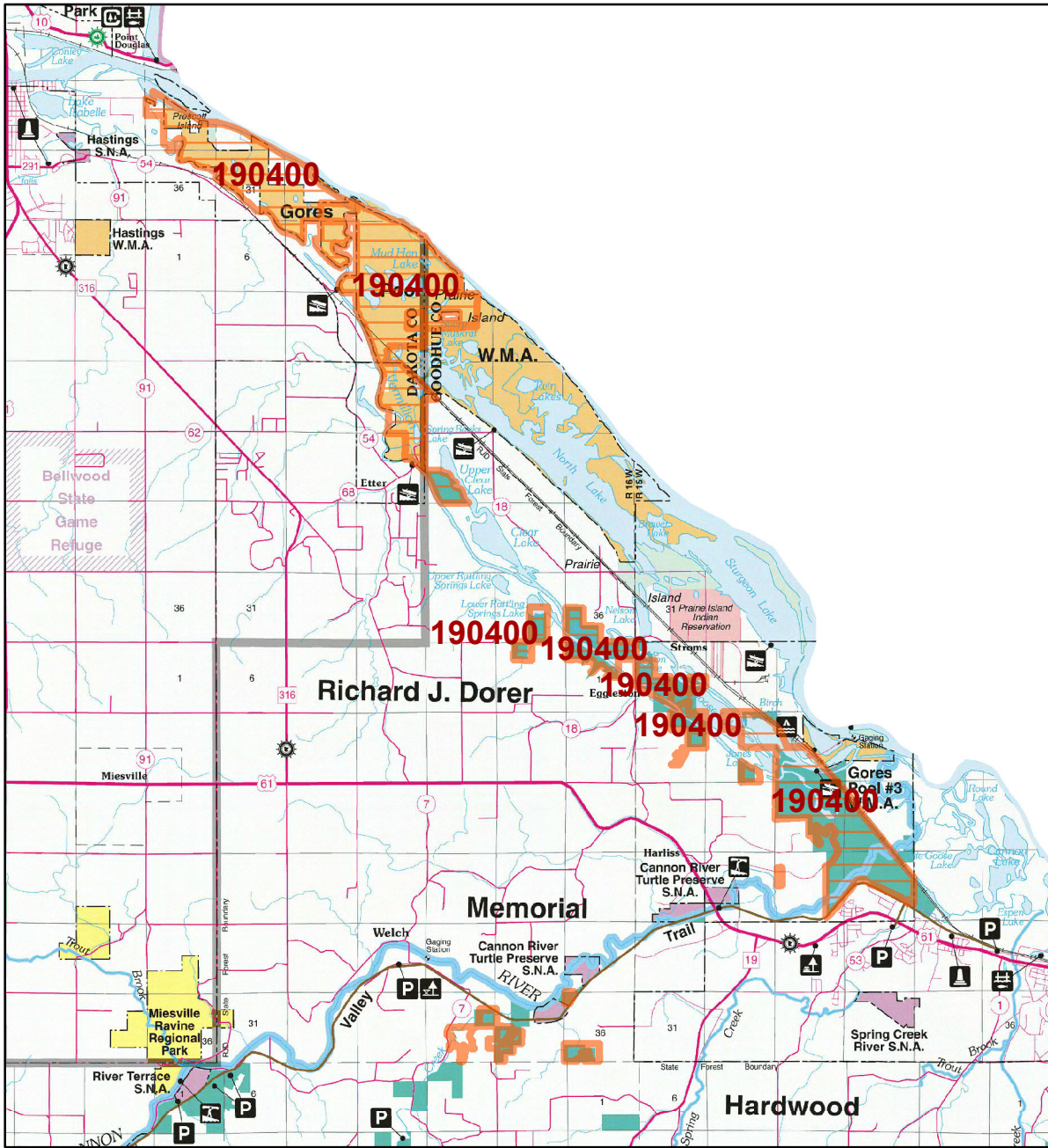
Legend

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



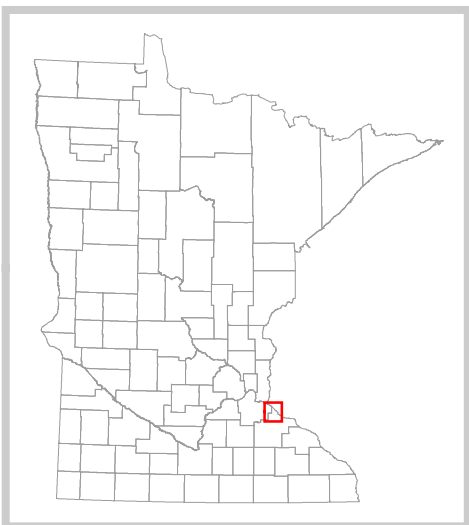
HCVF Site 190400

Vermillion Bottoms & Lower Cannon River Area, Dakota County



LEGEND

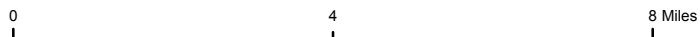
- HCVF Site
- #### MAP EXPLANATION
- ##### LAND OWNERSHIP
- County Land
 - Recreation Area under 40 acres
 - State Forest Land
 - State Park and Recreation Land
 - State Wildlife Management Area Land
 - W.M.A.'s under 40 acres
 - S.N.A.'s under 40 acres
 - State Scientific & Natural Area Land
 - N.W.P.A.'s 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



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.



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

HCVF Informational Report

Report Run: September 3, 2013

General Information

HCVF #: 190400

HCVF Name: Vermillion Bottoms & Lower Cannon River Area

Acres of HCVF site: 5896.90

County: Dakota

Data edited by: Region 3 HCVF Team

Role: Region 3 HCVF Team

Date edited on: 2013-07-24

Corresponding Land Administrator(s): FOR & FAW

Management Unit Name(s) (if applicable): Gores WMA, Collischan Bottoms SF Unit

HCVF Summary

Highly significant site on county and regional scales. Large expanses of floodplain along the Vermillion and Mississippi Rivers between Hastings and Red Wing and along the Cannon River west of Red Wing. Floodplain native plant communities include floodplain forest, emergent marsh, sedge meadow, shrub swamp, and calcareous fen. Bluffs bordering floodplains support mesic hardwood forests, notably Southern Mesic Maple-Basswood Forest. Important habitat for state-listed and SGCN bird species, including cerulean warbler, bald eagles, red-shouldered hawk, & Acadian flycatcher. One of two known populations in the state of the state-endangered plant *Iodanthus pinnatifidus* (purple rocket).

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): one reptile/amphian species. HCV1e (Rare species concentration): cerulean warblers, red-shouldered hawks, Acadian flycatchers, prothonotary warblers, wood turtles, SGCN bird species: 14 (red-shouldered hawk, cerulean warbler, Acadian flycatcher, bald eagle, Wilson's phalarope, Canada warbler, Cape May warbler, Connecticut warbler, golden-winged warbler, least bittern, olive-sided flycatcher, prothonotary warbler, red-headed woodpecker, wood thrush). HCV1f (Taxonomic group concentration): birds and herps. HCV1g (Outstanding Key Habitats Examples): very large river. HCV2-EBFa (intact forest block): yes. HCV2-EBFb (old forest): yes. HCV3a (G1 or G2 plant community): OPp93c. HCV3b (S1 or S2 plant community): MRn93b, OPp93c, MHs39a. HCV3c (Special S3 plant community): FFs59a, FFs68a, MHs39b. HCV3e (Old-growth forest): stand 56 NH64 (21 acres).

Management Considerations

Overall management objectives for the entire HCVF:

Maintain native forest cover in floodplain forest plant communities; maintain large patches of older forest; manage for floodplain forest tree regeneration by controlling reed canary grass when necessary; maintain or enhance size and health of SGCN bird populations with adequate forest cover, vertical structure, & snags; ensure rare reptiles have habitat for nesting, feeding, & travel .

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

Blufflands SFRMP; High Bio. Site Plan; Vermillion Bottoms/Lower Cannon River Floodplain Tech. Guid. Document

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.

All HCVs benefit. DNR SNA Program; Red Wing Wildlife League; Anderson Center; Prairie Island Indian Community; Audubon Society.

General Comments

This is a "High Biodiversity Site" identified by the Blufflands SFRMP; designated Important Bird Area by Minnesota Audubon; covered by the Technical Guidance Document for the Vermillion Bottoms and Lower Cannon River Area Floodplains, Dakota and Goodhue Counties (August 8, 2005).

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 ...