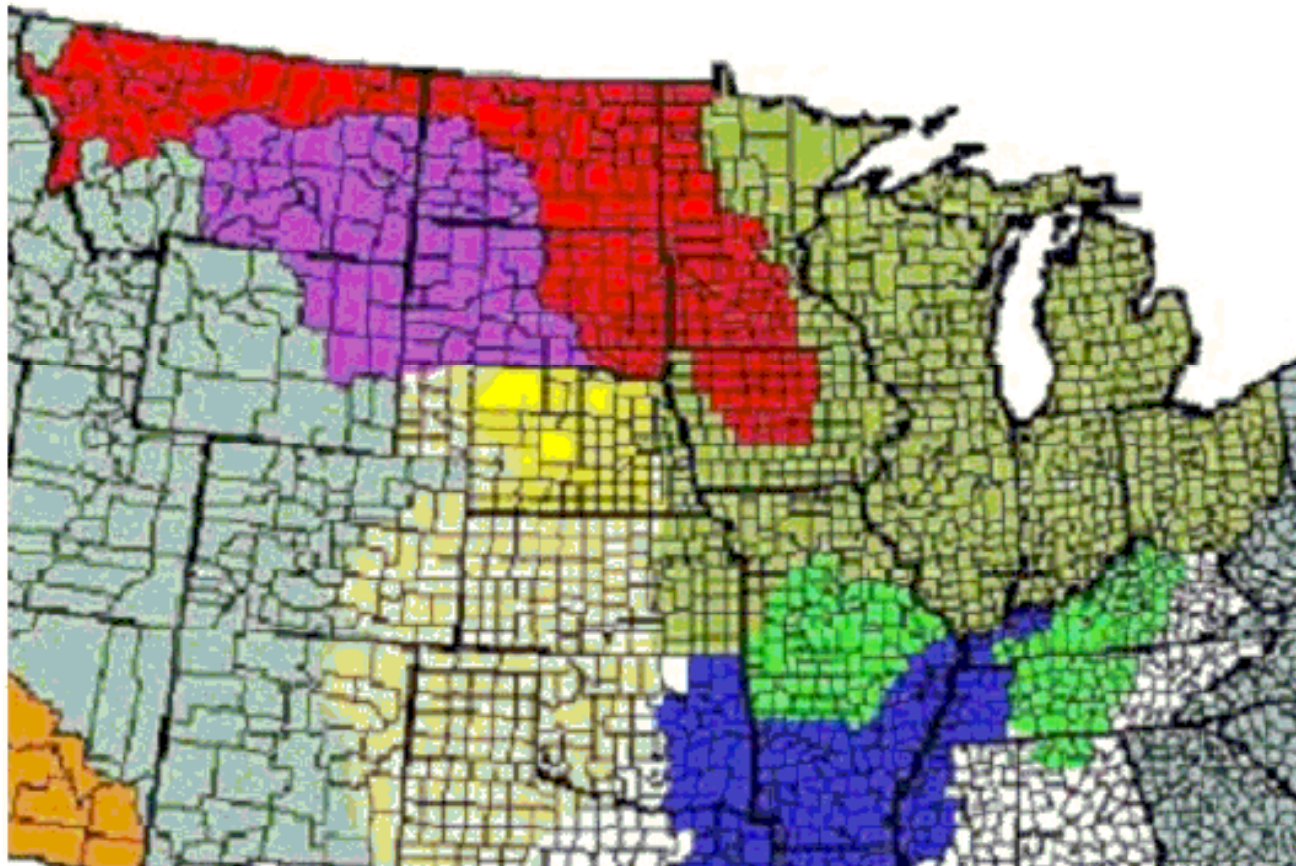






North American Waterfowl Management Plan



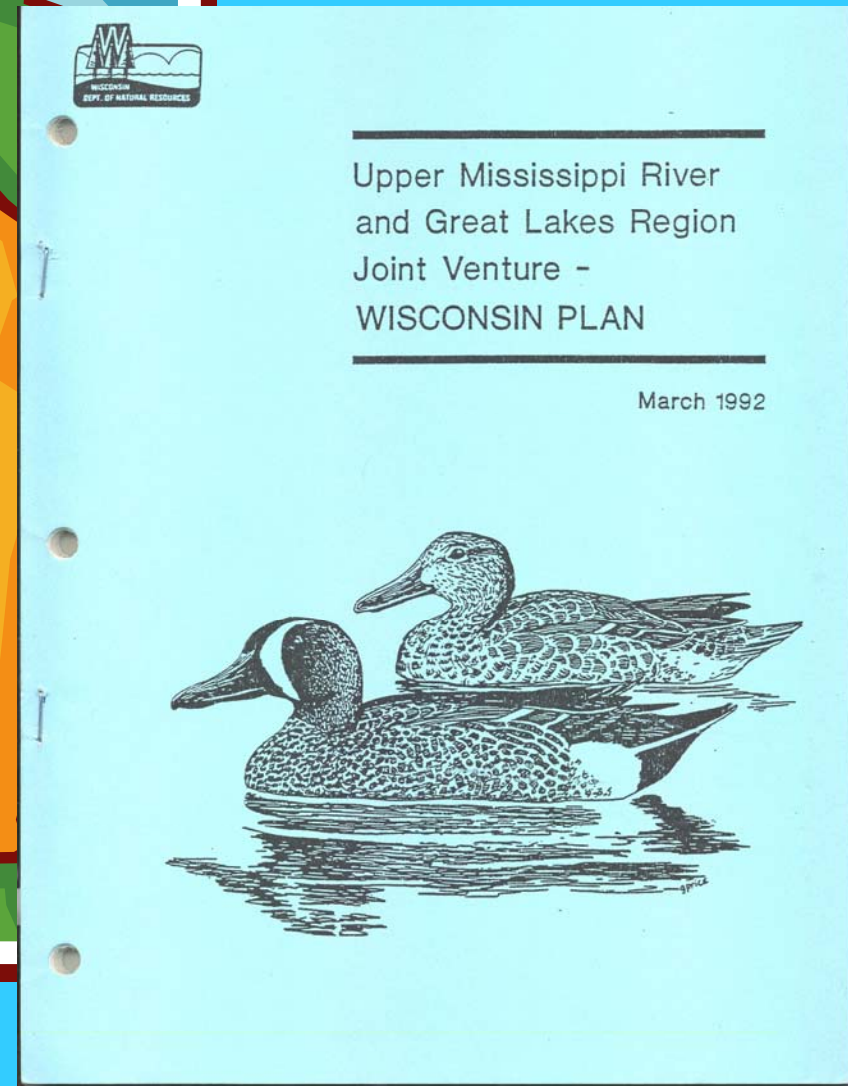
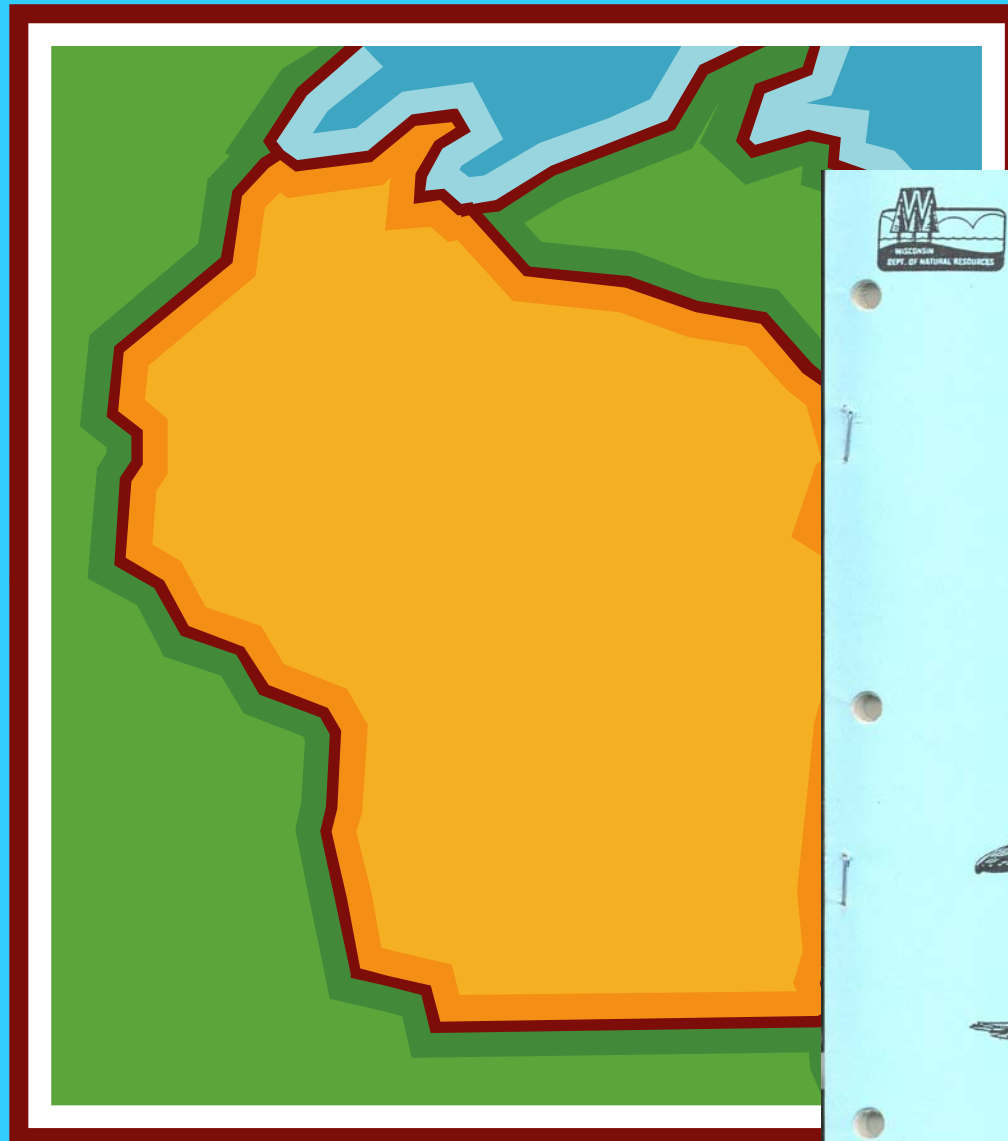


Joint Ventures

-  UPPER MISSISSIPPI/GREAT LAKES REGION
-  PRAIRIE POTHOLE

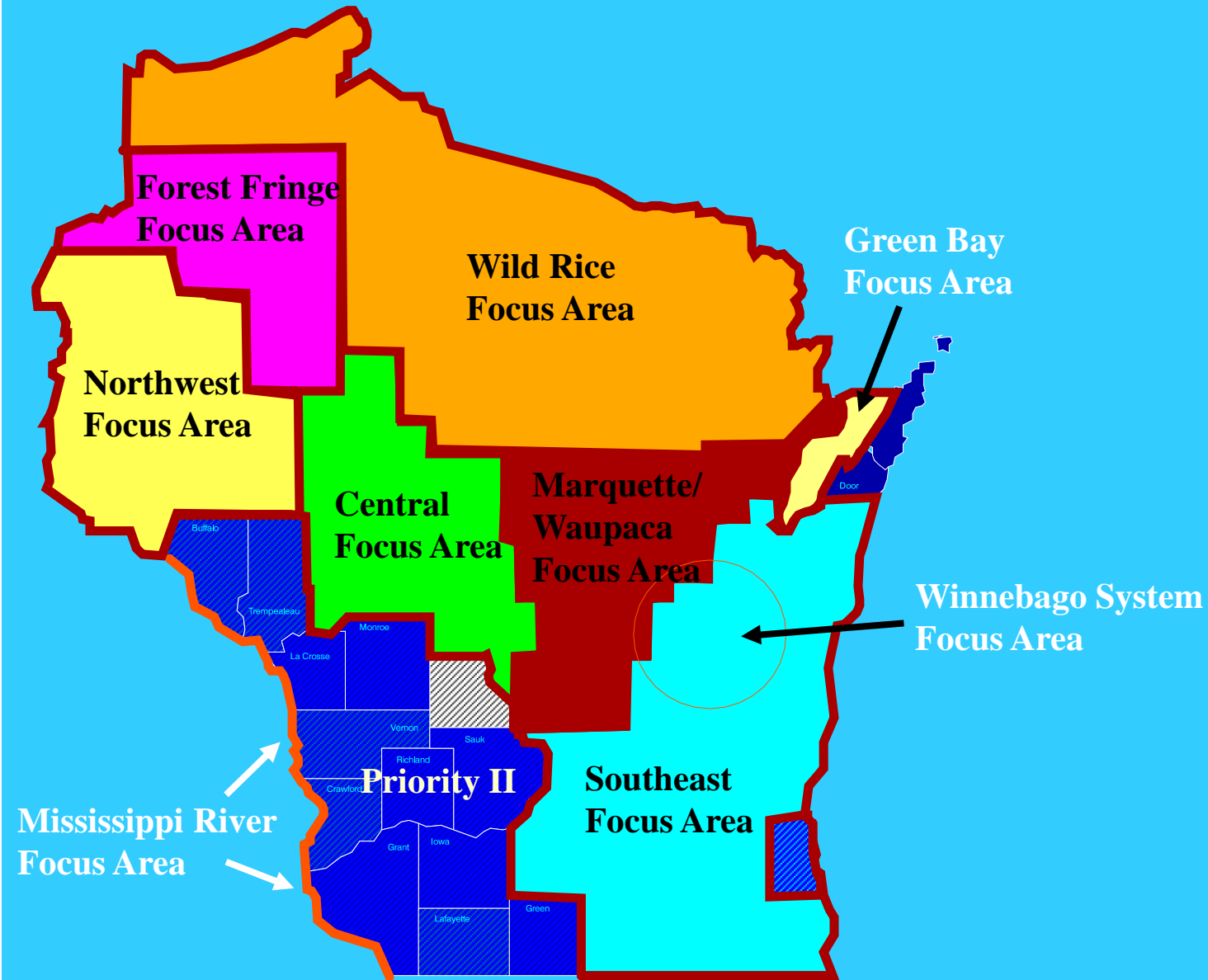
Upper Mississippi River & Great Lakes Region Joint Venture

The Wisconsin Plan



<http://dnr.wi.gov/org/land/wildlife/hunt/waterfow/wiplan.pdf>

Focus Areas in The Wisconsin Plan



Southeast Focus Area

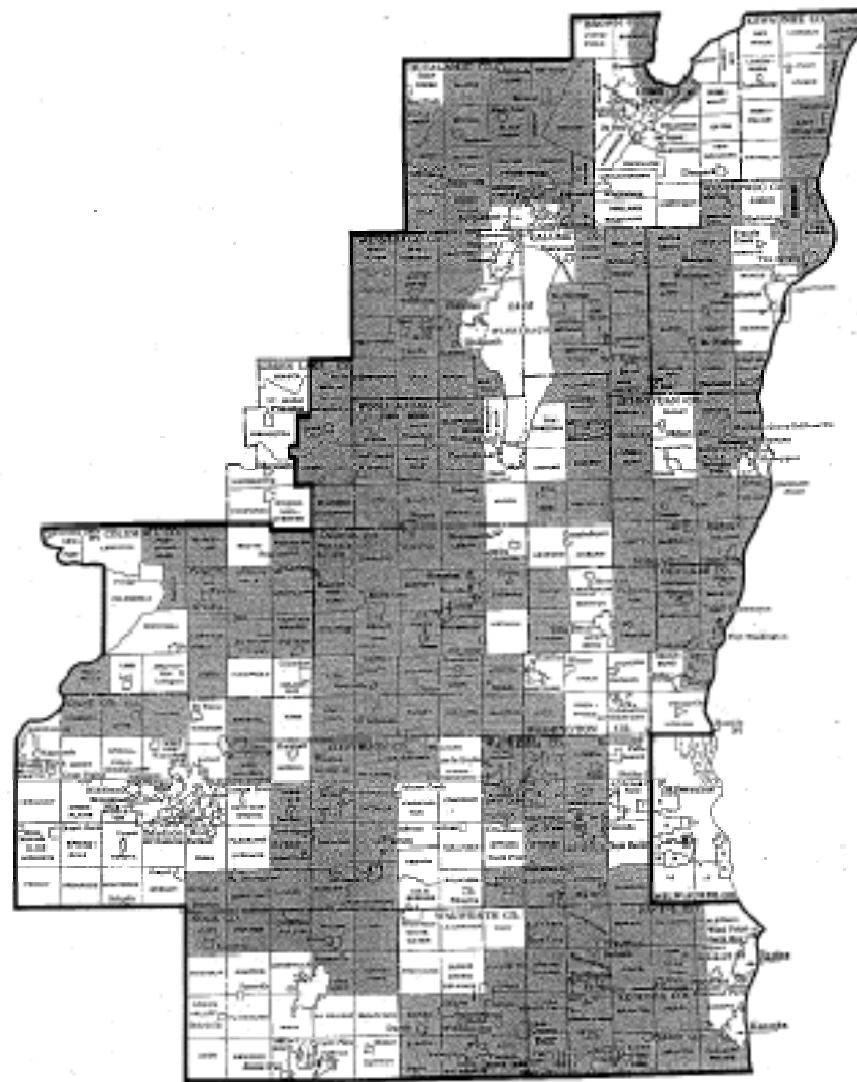
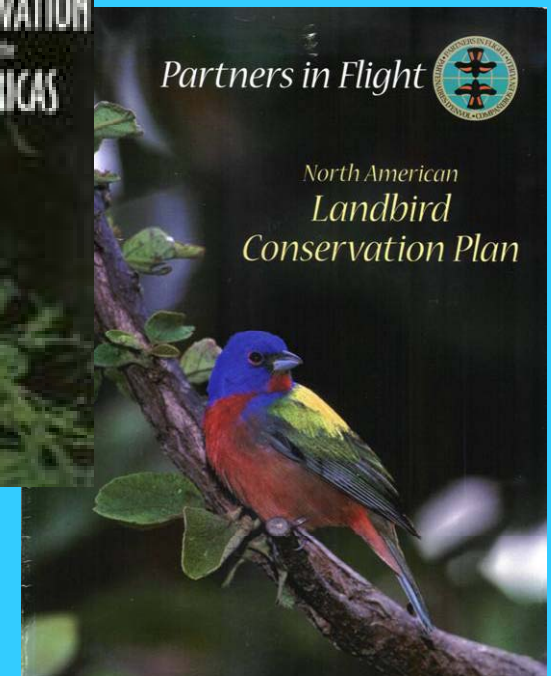
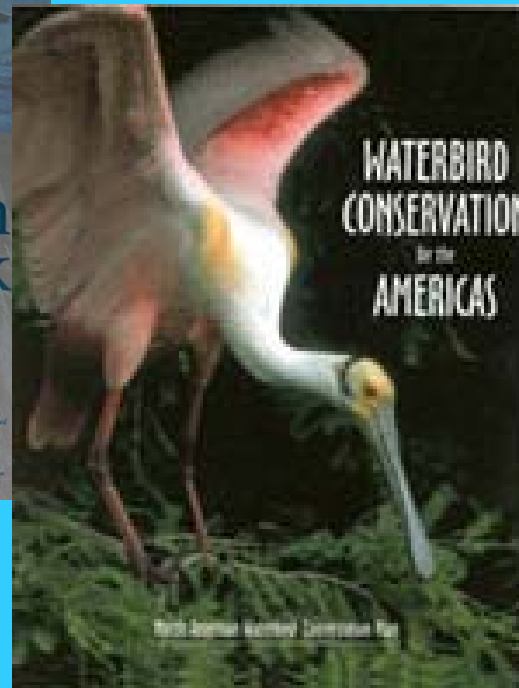
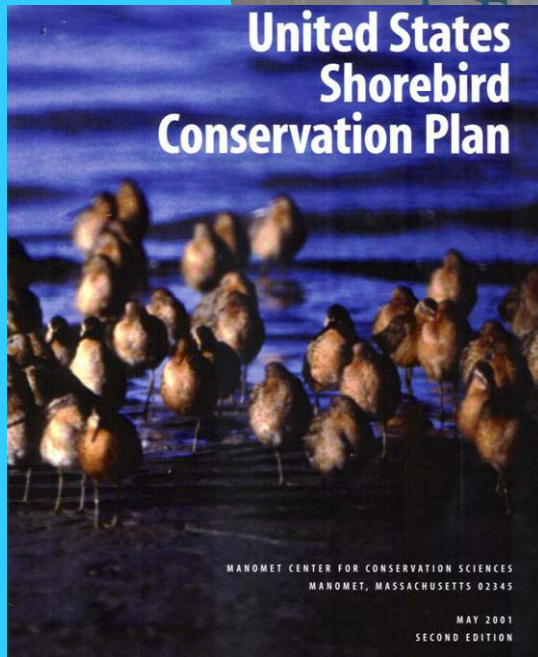
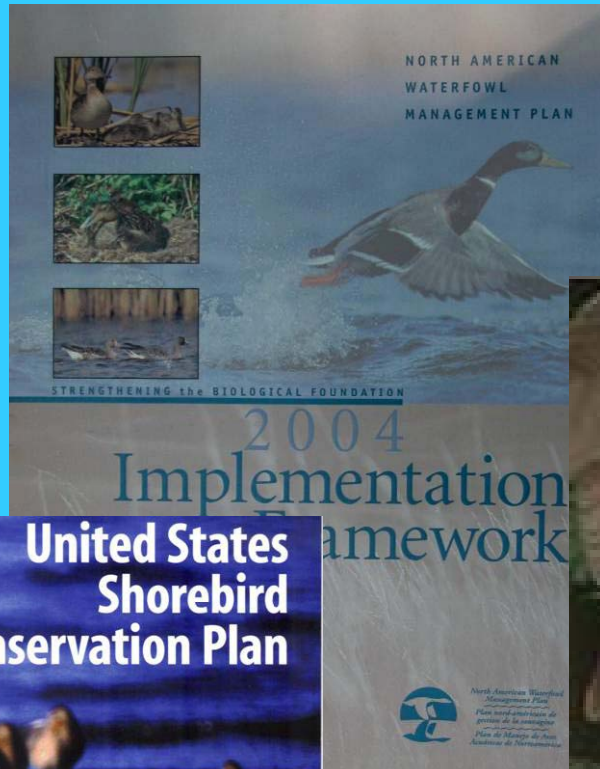
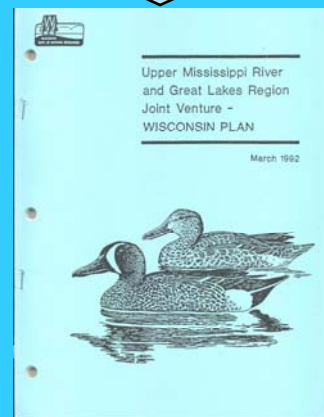
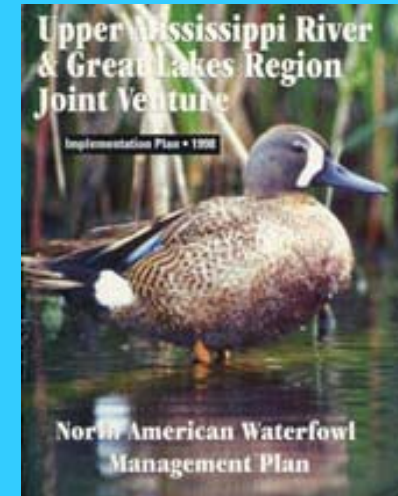
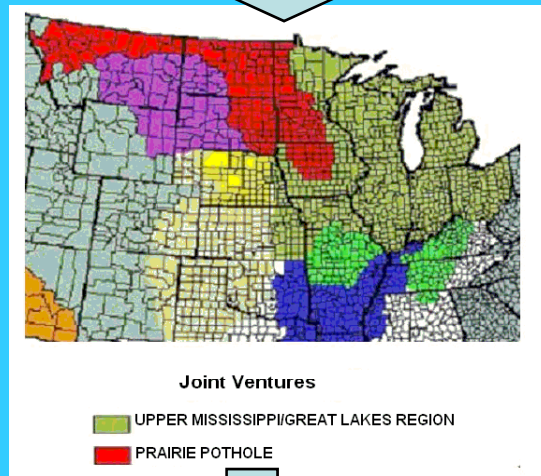


Figure 4. Southeast Focus Area of Wisconsin's portion of the Upper Mississippi River and Great Lakes Region Joint Venture. Shaded areas are townships designated as critical habitat for projects under the joint venture (as determined by WDNR wildlife managers and other knowledgeable persons).

Stepping-down Continental Plans





Joint Venture Implementation Plan

Separate Bird-group Habitat Strategies

JV Waterbird Strategy



JV Waterfowl Strategy



JV Shorebird Strategy



JV Landbird Strategy



JV Implementation Plan Update

Integrated (All-bird) Conservation Action



Bird-group Subcommittees

“JV Science Team”

Waterfowl

John Coluccy, DU (co-chair)

Greg Soulliere (co-chair)

Todd Bishop, IA DNR

Pat Brown, MI NFI

Mike Eichholz, SIU

Ron Gatti, WI DNR

Dave Luukkonen, MI DNR

Charlotte Nielson, SIU

Key Contacts

Josh Stafford, IL NHS

Robert Gates, OSU

Waterbirds

Dan Holm, IL DNR (chair)

Steve Lewis, FWS

Mike Monfils, MNFI/MSU

Wayne Thogmartin, USGS

Robert Gates, OSU

Greg Soulliere, FWS

Diane Granfors, FWS

Key Contacts

Bob Russell, FWS

Linda Wires, UMN

Shorebirds

Robert Gates, OSU (chair)

Diane Granfors, FWS

Mark Shieldcastle, OH DNR

Brad Potter, FWS

Bob Russell, FWS

David Ewert, TNC

Greg Soulliere, FWS

Key Contacts

Ferenc de Szalay, KSU

Landbirds

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John Castrale, IN DNR

Melinda Knutson, FWS

Brad Potter, FWS

Michael Roell, MO DOC

Greg Soulliere, FWS

Wayne Thogmartin, GS

Tom Will, FWS

Key Contacts

Andy Bishop, FWS

Ryan Reker, RWB JV

Jane Fitzgerald, CH JV

Appendix A-1. Marsh-wetland conservation objectives (acres) by state and Bird Conservation Region (BCR) to meet breeding bird carrying capacity goals in the Upper Mississippi River and Great Lakes Joint Venture region*. Maintenance / protection (M/P) is distinguished from restoration / enhancement (R/E); also see Appendix A-2 for graphic display of habitat objectives and Appendix A-3 for bird-group responsible for objective (group with greatest habitat need).

State	BCR	Wet meadow with open water		Shallow semi-permanent marsh, hemi-marsh		Deep-water marsh		Marsh with associated shrub/forest	
		M/P	R/E	M/P	R/E	M/P	R/E	M/P	R/E
Iowa	22	43,220	8,645	68,436	9,359	27	12	26,696	5,340
	23	1,040	1,218	4,720	692	699	351	1,047	210
	Total	44,260	9,863	73,156	10,050	726	363	27,743	5,550
Illinois	22	15,551	3,110	112,096	13,825	30	15	27,958	5,592
	23	487	568	4,720	743	351	175	820	163
	24	847	170	5,901	615	0	0	5,765	1,153
Total	16,885	3,848	122,715	15,183	380	190	34,543	6,909	
Indiana	22	8,040	1,608	48,377	10,537	12	5	13,150	2,631
	23	3,890	2,216	18,878	5,029	1,050	524	6,583	1,317
	24	435	86	14,161	2,418	0	0	9,159	1,833
Total	12,365	3,910	81,416	17,984	1,062	529	28,892	5,780	
Kansas	22 / Total	4,792	958	3,540	1,257	17	7	10,609	2,122
Michigan	12	24,043	28,123	140,415	29,850	2,075	1,037	38,927	7,785
	22	0	0	10,619	1,149	0	0	1,452	291
	23	9,067	9,890	136,875	38,065	5,068	2,534	31,959	6,392
Total	33,110	38,013	287,908	69,064	7,143	3,572	72,339	14,469	
Minnesota	12	96,861	26,553	160,473	38,799	1,971	986	44,919	8,983
	22	9,117	1,823	33,039	2,705	2	2	4,411	882
	23	283,941	56,788	180,532	21,588	2,097	1,050	36,082	7,217
Total	389,919	85,163	374,044	63,091	4,071	2,038	85,413	17,083	
Missouri	22 / Total	506	101	8,260	1,689	20	10	16,836	3,367
Nebraska	22 / Total	13,242	2,648	4,720	1,623	3	2	8,339	1,712
Ohio	13	2,055	2,408	31,858	5,355	576	287	2,959	734
	22	0	0	56,637	10,243	12	7	11,337	2,267
	24	0	0	0	104	0	0	215	42
	28	0	2,408	12,980	2,137	0	0	3,023	605
Total	2,055	4,817	101,475	17,838	588	294	17,535	3,648	
Wisconsin	12	51,430	14,887	90,856	12,590	1,141	571	18,024	3,604
	22	2,122	425	4,720	800	0	0	1,013	203
	23	450,945	90,190	250,149	53,710	8,213	4,108	56,590	11,318
Total	504,498	105,501	345,726	67,100	9,354	4,678	75,626	15,124	
All States	12	172,334	69,563	391,744	81,238	5,187	2,594	101,870	20,373
	13	2,055	2,408	31,858	5,355	576	287	2,959	734
	22	96,589	19,318	350,446	53,187	126	62	122,020	24,406
	23	749,371	160,869	595,875	119,827	17,478	8,741	133,081	26,617
	24	1,282	257	20,059	3,137	0	0	15,139	3,028
	28	0	2,408	12,980	2,137	0	0	3,023	605
Total	1,021,632	254,822	1,402,960	264,880	23,366	11,683	378,093	75,762	

*See JV bird-group conservation strategies for information on how specific habitat objectives were generated and Table 4 in this document for more detailed cover type descriptions. The metric conversion is 1 acre = 0.40 ha.

**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

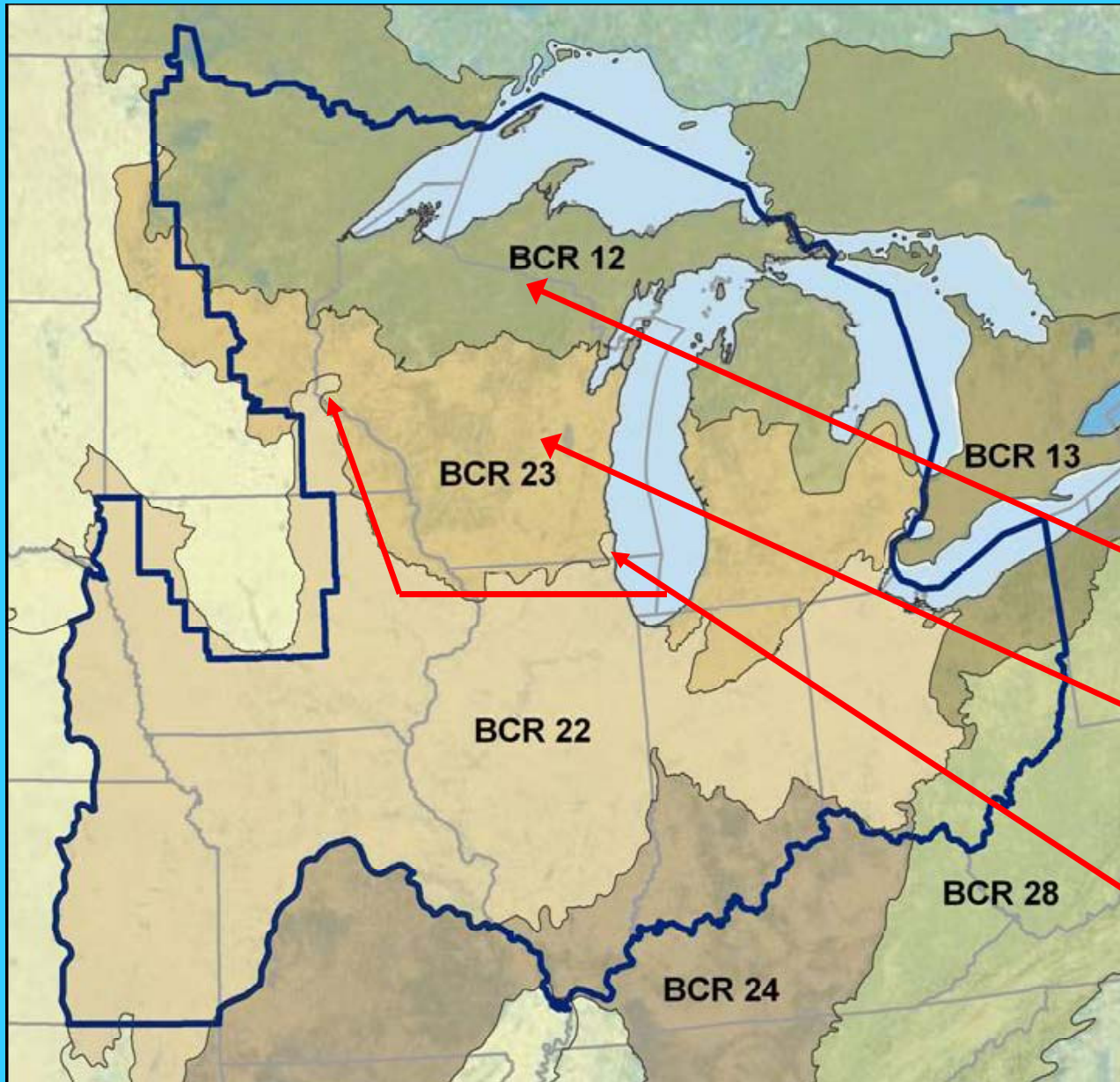
**Wet meadow w/
open water:**

BCR 12: 14,887 acres

BCR 23: 90,190 acres

BCR 22: 425 acres

Total: 105,501 acres



**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

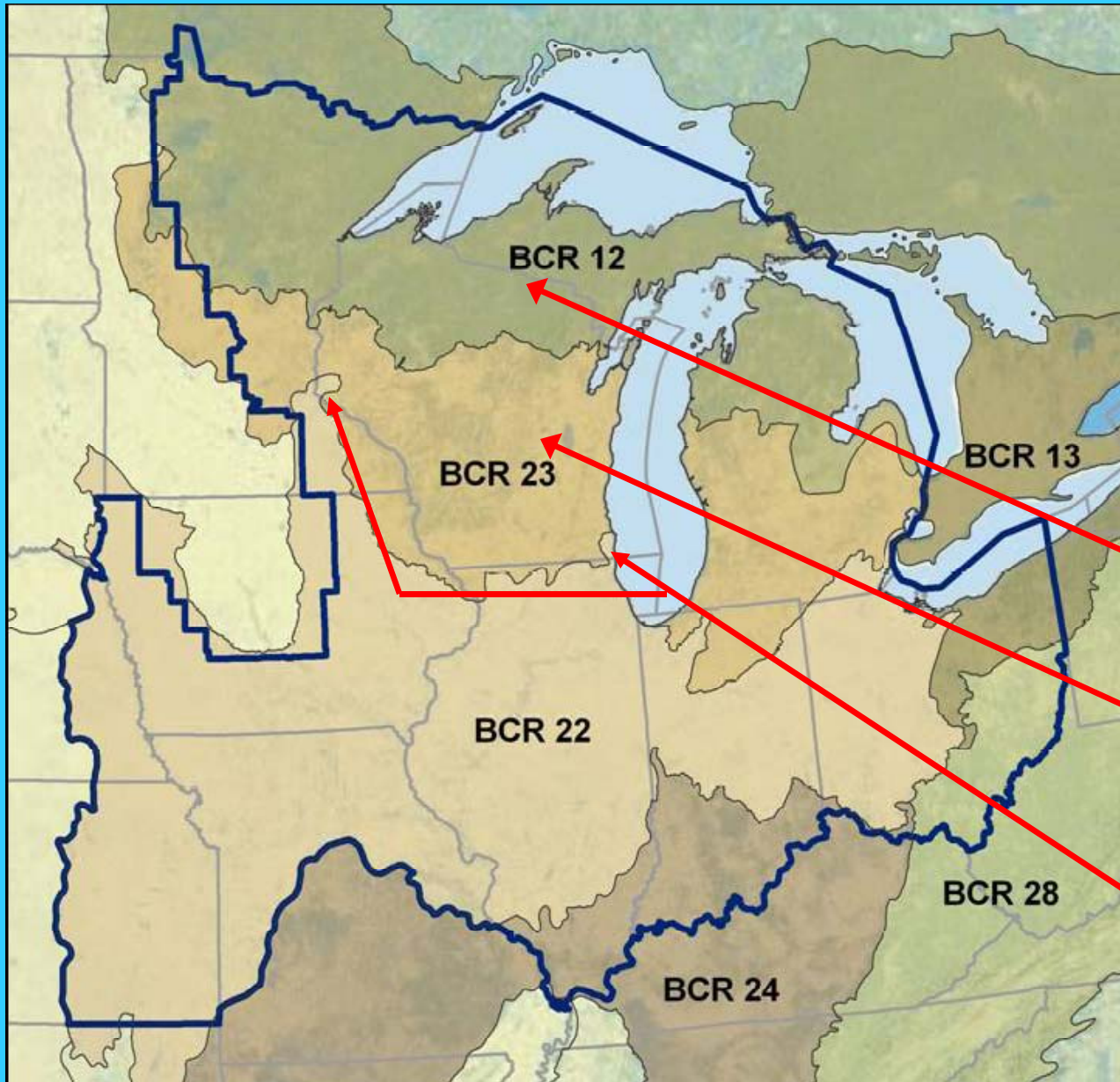
**Shallow semi-perm.
marsh, hemi-marsh:**

BCR 12: 13,511 acres

BCR 23: 56,886 acres

BCR 22: 820 acres

Total: 71,217 acres



**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

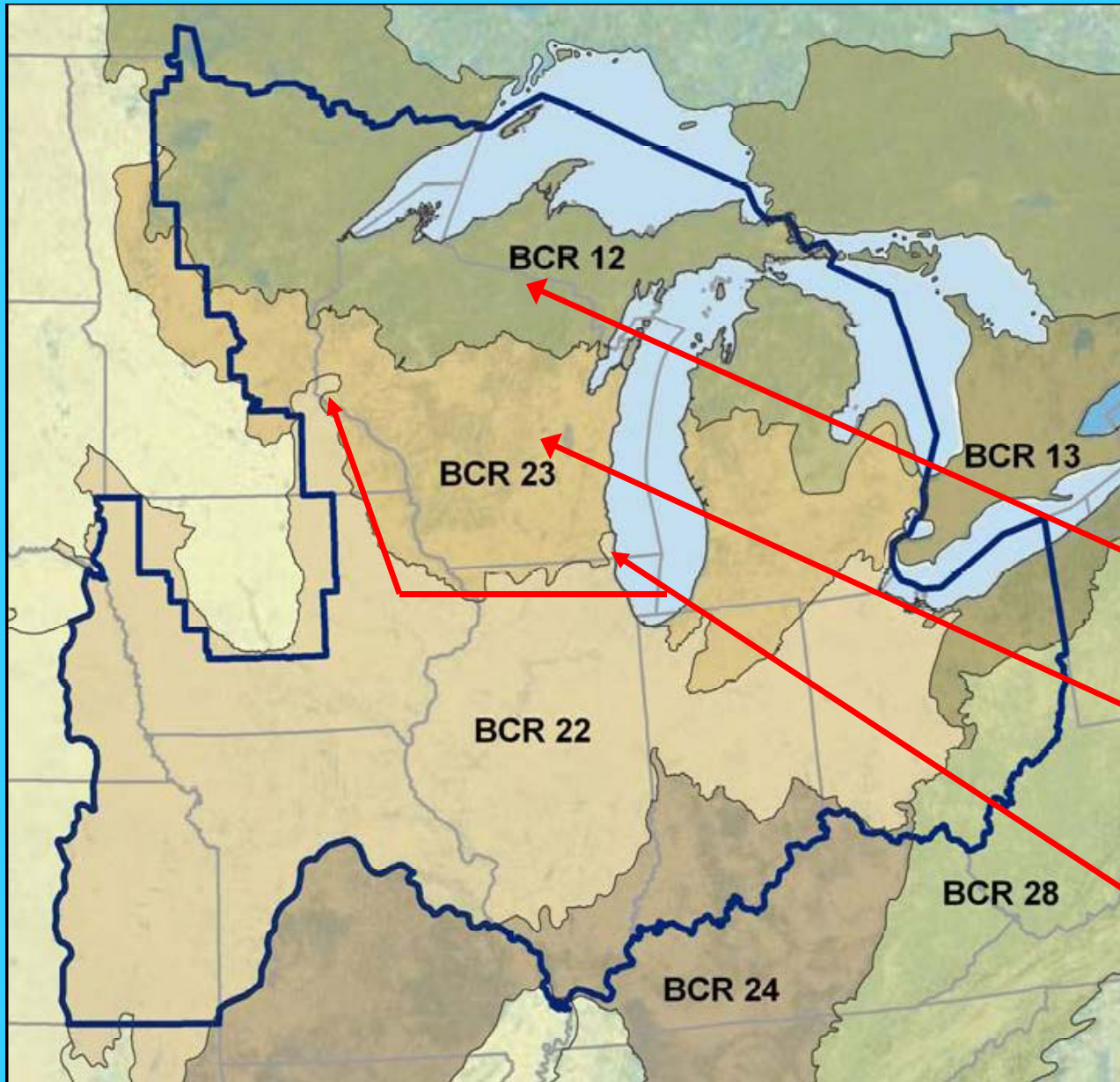
Deep water marsh

BCR 12: 571 acres

BCR 23: 4,108 acres

BCR 22: 0 acres

Total: 4,678 acres



**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

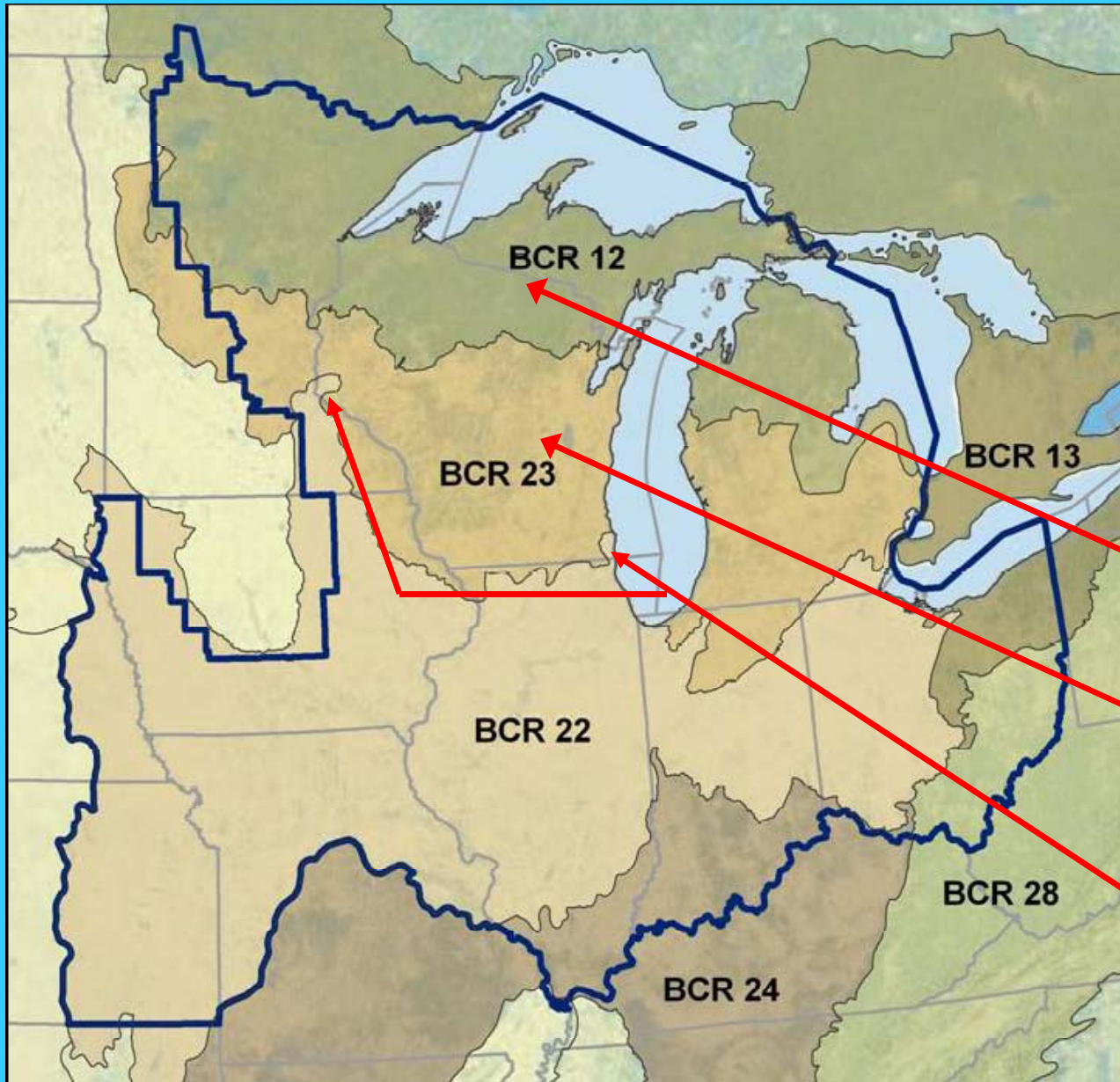
**Marsh w/ associated
shrub/forest**

BCR 12: 3,604 acres

BCR 23: 11,318 acres

BCR 22: 203 acres

Total: 15,124 acres



**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

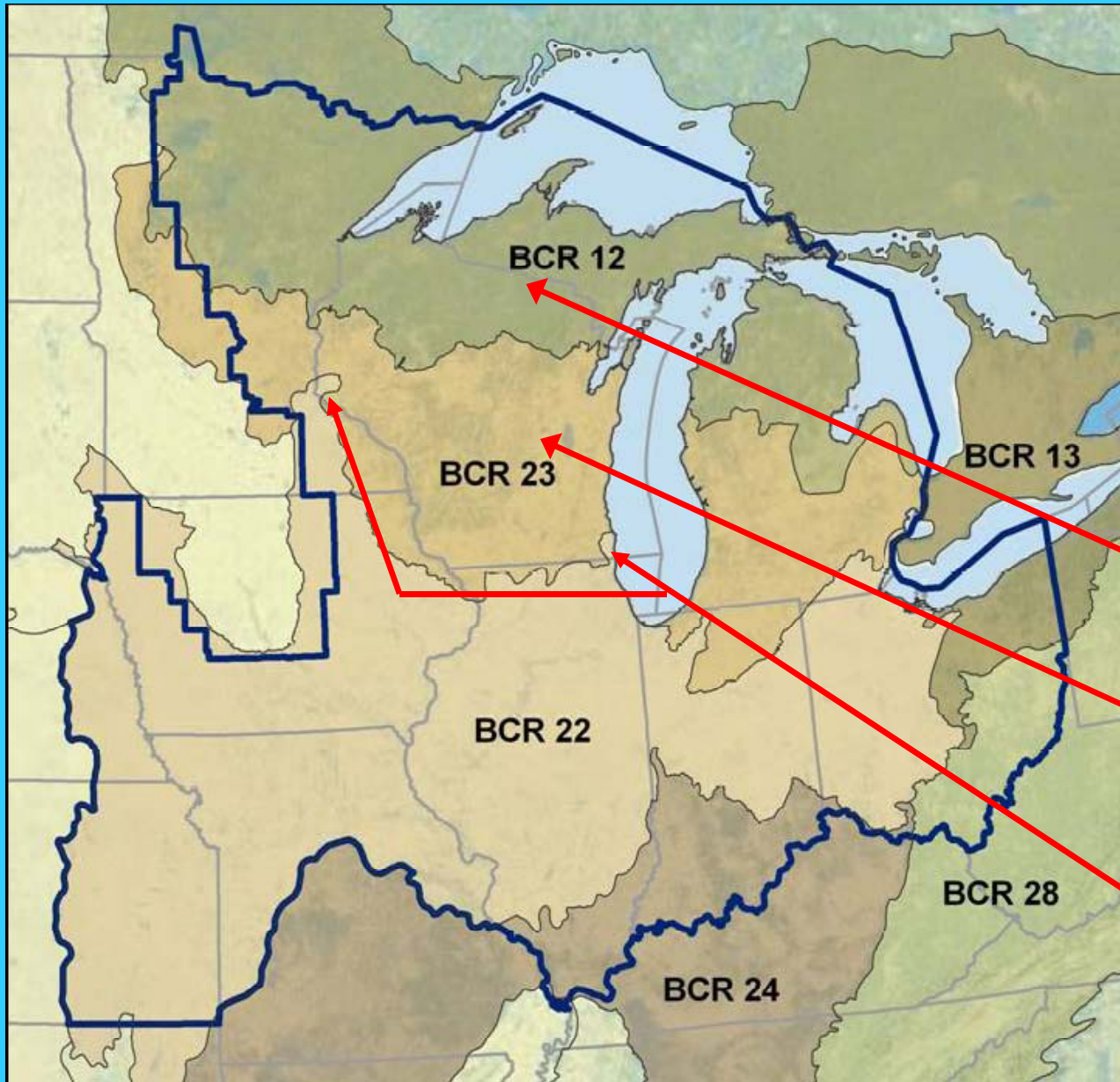
Extensive open water

BCR 12: 12,387 acres

BCR 23: 28,289 acres

BCR 22: 309 acres

Total: 40,985 acres



**Wisconsin
Marsh-wetland
Conservation
Objectives**

Restoration/
Enhancement

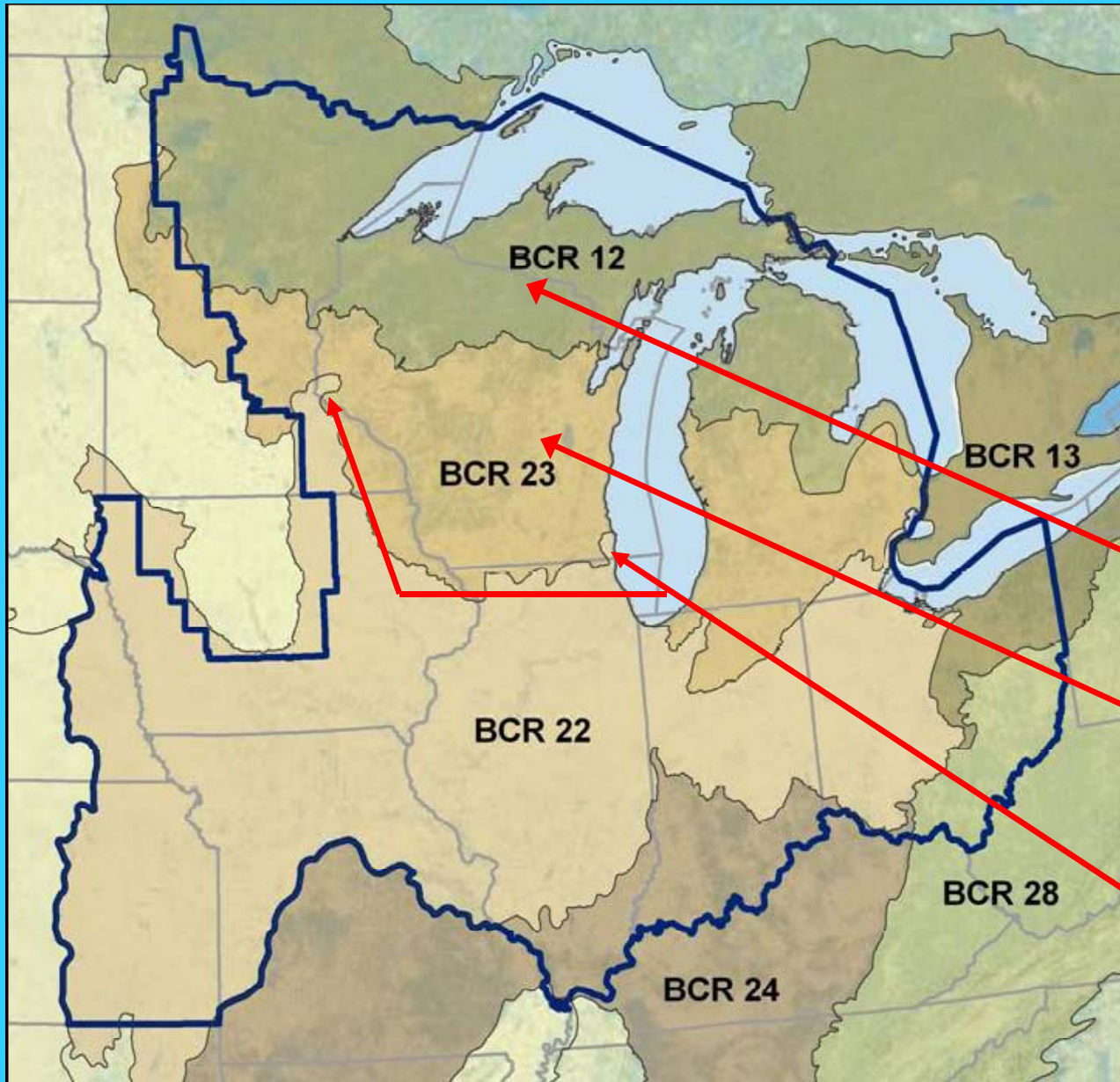
**Total marsh-wetland,
all types**

BCR 12: 44,960 acres

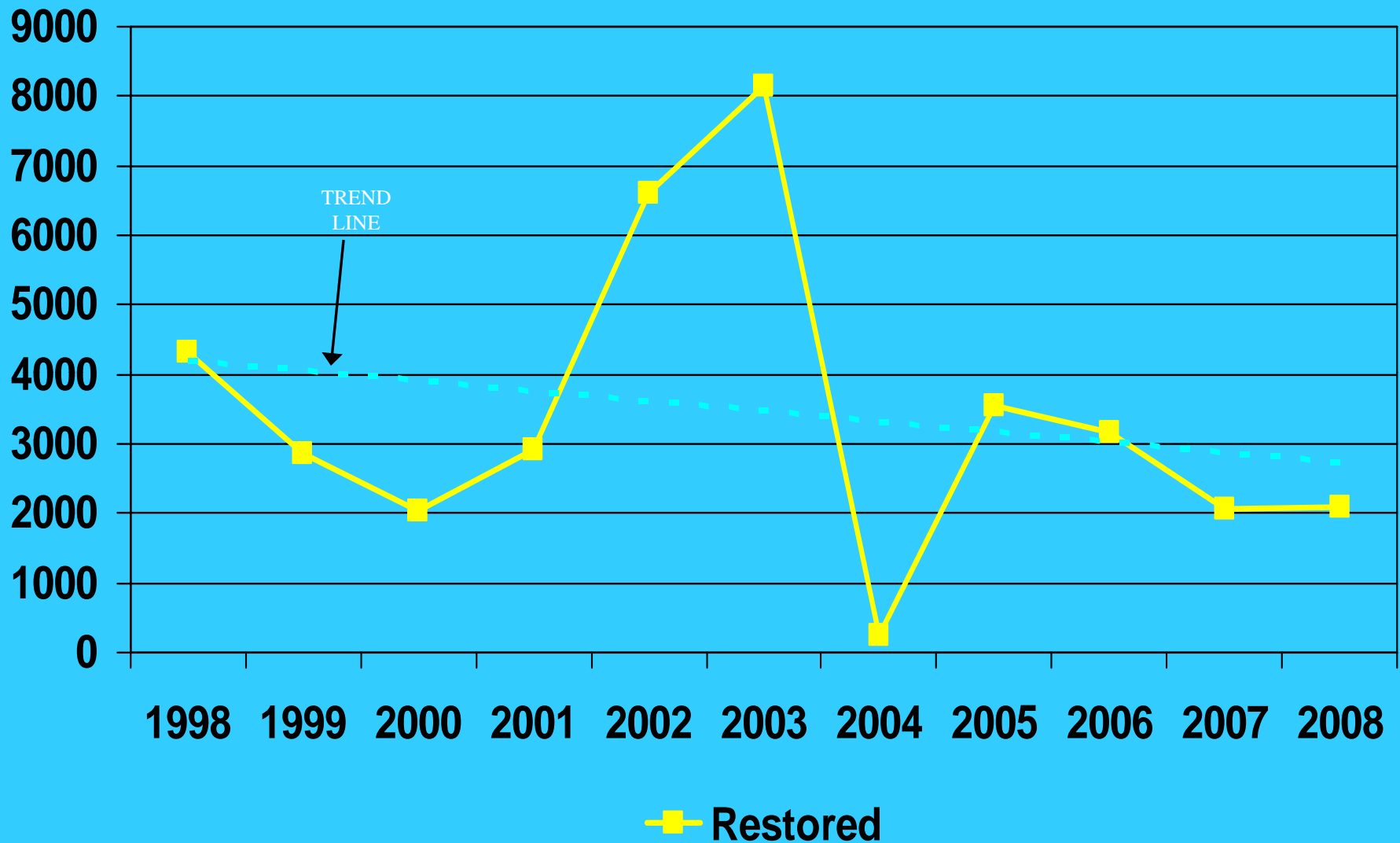
BCR 23: 190,971 acres

BCR 22: 1,757 acres

Total: 237,508 acres



Reported Restored Wetland Acreage for Wisconsin, 1998-2007



Average annual restoration acreage = 3,593 acres

Comparison

Past:

Annual Joint Venture Reports – FY98 to Present

Year	Protected	Restored	Enhanced
1998	12123	4318	0
1999	4729	2871	100
2000	2486	2030	230
2001	3239	2923	0
2002	2692	6619	0
2003	2026	8152	0
2004	7402	245	1958
2005	10377	3557	2853
2006	2851	3159	6708
2007	1425	2057	1560
Total	49351	35933	13409

Total Wetlands Restored + Enhanced = 49,342 acres
Annual impact over 10 years = 4,934 acres

Future:

Total Wisconsin Wetland
Restoration/Enhancement
in New Joint Venture Plan
= 237,508 acres

Annual impact over 15
years = 15,834 acres

Need to increase
wetland work by
slightly more than
a factor of 3 to
reach goals!



STAFFING

Hurdles to Wetland Restoration



Lack of Restoration Sites



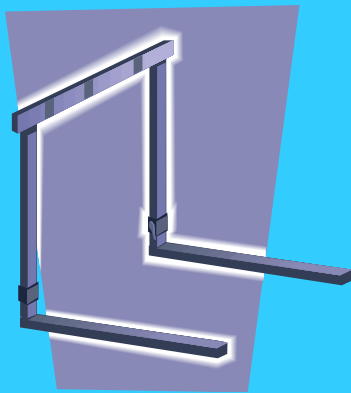
Hurdles to Wetland Restoration

Use Value Tax

Hurdles to Wetland Restoration



No Private Lands Program



Hurdles to Wetland Restoration

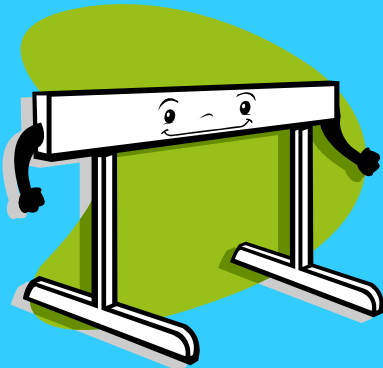
Land Acquisition

Hurdles to Wetland Restoration



Analysis Paralysis

Priorities



Hurdles to Wetland Restoration

Expertise/training

Hurdles to Wetland Restoration



ENGINEERING



Hurdles to Wetland Restoration

Permits

Hurdles to Wetland Restoration



THE ISSUES

ENGINEERING

STAFFING

Lack of
Restoration
Sites

Land Acquisition

Expertise/training

Priorities

Permits

Use
Value
Tax

No Private Lands Program

Analysis Paralysis

Some Closing Tidbits

Infrastructure Survey –

- **280 miles of dikes**
- **650 water control structures**

NAWCA Grants –

- **Wisconsin is very successful**
- **Often \$1 million for a 2-year grant**
- **DU is administering 4 for WI**
- **Requested extensions total 11 years**
- **Potential loss = \$5.5 million**

THE ISSUES

The Plans

- **JV Plan (Wisc. Plan)**
- **DU Waterfowl Strategic Plan**
- **Great Lakes Strategic Plan**
- **Wild Rice Strategic Plan**
- **Wildlife Action Plan**
- **Ecosystem Management Plan**
- **USFWS CCP's**
- **Mississippi River Navigation and Ecosystem Sustainability Program**
- **WWA Plan?**

