

Table 2. Environmental Management Program Habitat Rehabilitation and Enhancement Projects constructed in Wisconsin's waters of the Mississippi River.

Project Name	Pool	Year Complete	Acres Affected	Features	Monitoring Conducted	Comments
Indian Slough/Big Lake	4	1994	100	Dredging, riffle-pool structure, closing structure, tree revetments	Water quality Bathymetry Fishery	Young-of-the-year smallmouth bass use is high in the riffle-pool structure. Disposal site vegetation well established. Centrarchid response difficult to assess due to sampling effectiveness.
Small Scale Drawdown	5	1997	52	One time water level reduction	Vegetation Sediment	The drawdown was successful at increasing plant diversity and coverage of emergent vegetation.
Spring Lake Peninsula	5	1995	300	Dredging, island construction	Water quality Fishery	The structure did reduce velocities in the upper end of Spring Lake. Spring Lake Islands will further reduce velocities in project area
Spring Lake Islands	5	2006	600	Dredging, island construction, stabilization, sand/mud flats	Water quality Fisheries Aquatic Vegetation	Although the project was not complete in 2005, enough features were in place by winter of 2005 for the area to begin providing benefits for backwater fish. The first year of post project monitoring began in winter of 2005. Water quality parameters are being met in the majority of the area.
Trempealeau National Wildlife Refuge	6	1999	5,600	Water control structures, dredging, interior dike construction	Water quality Vegetation	First operation of the structures for water level management will began in 2000. Monitoring of project is being done by FWS
Long Lake	7	2002	15	Water control structure	Water quality Fishery	The project was damaged by 2001 flood. Flood repair was completed in 2002. Post project monitoring shows that DO has improved.
Lake Onalaska Islands and Dredge Cuts	7	1990	7,000	Dredging, island construction	Water quality Wildlife	Although not specifically being monitored, fisheries response to the project has been good based on reported harvests and observation of anglers. Waterfowl nesting use of the islands continues to increase, but is variable due to periodic nest predation.
I-90 Bay and East Channel	8	1997	100	Bank stabilization, island construction	Fishery	Target fish present in I-90 bay. Assessment of response continuing. Project may have unexpected benefit of also providing some centrarchid overwintering habitat in the upper portion of I-90 bay.
Pool 8 Islands Phase I	8	1993	1,000	Dredging, island construction	Water quality Vegetation Bathymetry Wildlife	Aquatic vegetation response to project is good. Waterfowl nesting limited due to high water events and size of main island. Vegetation response in shadow of island was augmented by pool wide water level management in 2001 and 2002. Emergent vegetation appears to be persisting in area protected by island.
Pool 8 Islands Phase II	8	1999	600	Dredging, island construction	Water quality Fishery Vegetation Bathymetry	Target water quality parameters met. Vegetation response better than expected. Statistical comparison of aquatic plant response in project area was significantly better than control area. Fish response has been exceptional leading to this project area becoming one of the most heavily fished in Pool.
Blackhawk Park	9	1990	420	Dredging and flow introduction	Water quality Fishery	Low dissolved oxygen problems alleviated through introduction of flow into backwaters. Fish response good.
Pool 9 Islands	9	1995	350	Rock island construction	Vegetation	Within 3 years of construction, almost the entire area within the island complex was, and continues to be, vegetated with submersed vegetation.
Cold Springs	9	1994	35	Weir structure and dredging	Water quality Fishery	Low dissolved oxygen has been alleviated in the southern lobe. Fish response good and consistently yields some of the highest CPUE of largemouth bass for survey overwintering sites.
Bank Stabilization	7, 8, 9, 10	1999	2,000	Shoreline protection		A variety of rock protection designs have stabilized over 5,000 feet of shoreline.
Ambro Slough/Gremore Lake	10	2005	2,500	Dredging, flow introduction, partial closing structure, island construction	Water quality Fishery	Post project monitoring continuing. DO levels in backwaters have improved due to increased depth in Big Missouri, Tilmont, Spring and Upper Doubles Lake and the introduction of flow into Gremore Lake.
Bertom and McCartney Lakes	11	1991	2361	Riverine "habitat" channel, island construction, dredging	Water quality Fishery Wildlife	Low dissolved oxygen in summer and winter alleviated. Fisheries response good and still being assessed. Ten acre wetland in interior of island receiving heavy wildlife use.
Pool 11 Islands, Sunfish Lake	11	2005	600	Dredging, island construction, isolated wetland	Water quality Fishery Wildlife	Post project monitoring of fish and water quality has been initiated.

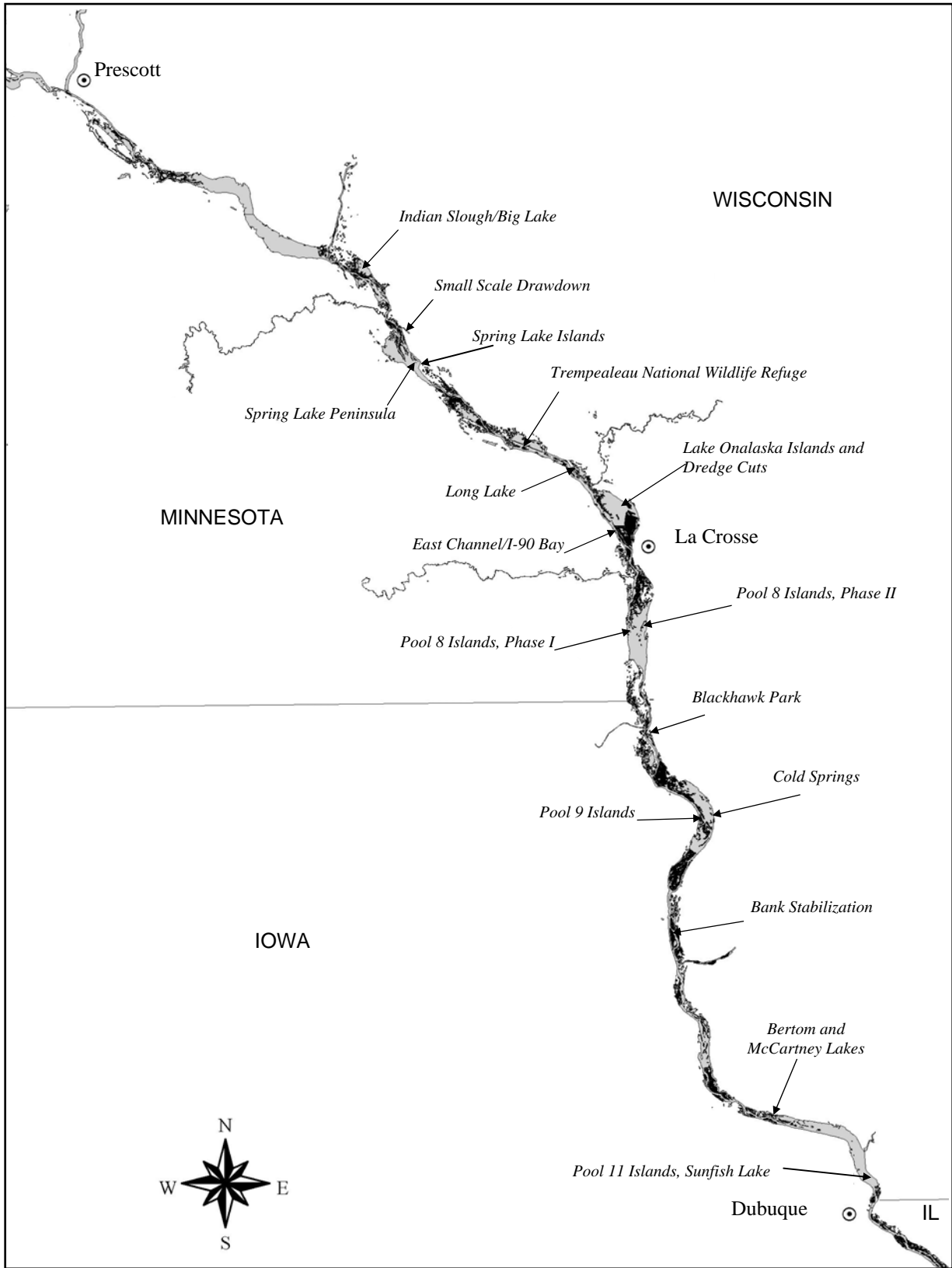


Figure 1. Locations of Wisconsin sponsored Habitat Rehabilitation and Enhancement Projects.