

**List of Smith-Root barriers in the Midwestern United States
As of April 2019**

Year Constructed	Project Name	Project Type	Location	Client
Minnesota				
2018	Waterville Area Barrier "Site 1A"	Main channel barrier	Unnamed Creek Eagle Lake, Minnesota	Minnesota Department of Natural Resources
2018	Waterville Area Barrier "Site 2B"	Main channel barrier	Mayhew Creek Janesville, Minnesota	Minnesota Department of Natural Resources
2015	Illinois Lake "Site 6C"	Main channel barrier	Illinois Lake outlet Round Lake, Minnesota	Minnesota Department of Natural Resources
2015	Goose Creek Electrical Barrier	Main channel barrier	Goose Lake outlet Albert Lea, Minnesota	Shell Rock River Watershed District
2015	Albert Lea Lake Outlet Electrical Barrier	Lake outlet barrier	Shell Rock River Albert Lea, Minnesota	Shell Rock River Watershed District
2014	Little Sioux River Watershed "Site 1C"	Main channel barrier	Agricultural ditch Brewster, Minnesota	Minnesota Department of Natural Resources
2010	Green Lake Electric Barrier	Lake outlet barrier	Green Lake Spicer, Minnesota	Minnesota Department of Natural Resources
2010	Wedge Creek Electric Barrier	Lake inlet barrier	Wedge Creek Albert Lea, Minnesota	Shell Rock River Watershed District
2010	White Lake Electric Barrier	Lake inlet barrier	White Lake Albert Lea, Minnesota	Shell Rock River Watershed District
2009	Fulda First Lake Electric Barrier	Lake outlet barrier	Fulda First Lake Fulda, Minnesota	Minnesota Department of Natural Resources
2009	Mud Lake / Pickerel Lake Electric Barrier	Lake outlet barrier	Pickerel Lake Albert Lea, Minnesota	Shell Rock River Watershed District
2005	Lake Maria Electric Barrier	Main channel barrier	Lake Maria outlet Slayton, Minnesota	Minnesota Department of Natural Resources
2001	Howard Lake Electric Barrier	Lake outlet barrier	Howard Lake Howard Lake, Minnesota	Rice Creek Watershed District
2001	Round-Rice Bed Wildlife Management Area	Lake outlet barrier	RRBWMA Garrison, Minnesota	Minnesota Department of Natural Resources
1996	Shields Lake Electric Barrier	Lake outlet barrier	Shields Lake Forest Lake, Minnesota	Comfort Lake – Forest Lake Watershed District

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1996	Lake Hassel Electric Barrier	Lake outlet barrier	Lake Hassel Benson, Minnesota	Minnesota Department of Natural Resources
1991	Heron Lake Electric Barrier	Lake outlet barrier	Heron Lake outlet Heron Lake, Minnesota	Minnesota Department of Natural Resources
1991	Lake Christina Electric Barrier	Lake outlet barrier	Lake Christina Fergus Falls, Minnesota	Minnesota Department of Natural Resources
Michigan				
2003	Karn/Weadock Generating Complex	Cooling water tailrace barrier	Saginaw River Hampton Township, Michigan	Consumers Energy
2001	Ocqueoc River Electric Barrier	Main channel barrier	Ocqueoc River Ocqueoc Township, Michigan	U.S. Fish & Wildlife Service
1993	Great Lakes Steel Electric Barrier	Cooling water intake barrier	Detroit River Ecorse, Michigan	Great Lakes Steel
Illinois				
2017	Mobile & Modular Fish Barrier and Guidance System	Mobile & modular barrier	Mobile/various waterbodies Illinois	Illinois Natural History Survey
2011	Chicago Sanitary & Ship Canal Electric Dispersal Barrier 2B	Main channel barrier	CSSC Romeoville, Illinois	U.S. Army Corps of Engineers
2006	Chicago Sanitary & Ship Canal Electric Dispersal Barrier 2A	Main channel barrier	CSSC Romeoville, Illinois	U.S. Army Corps of Engineers
2002	Chicago Sanitary & Ship Canal Electric Dispersal Barrier 1	Main channel barrier	CSSC Romeoville, Illinois	U.S. Army Corps of Engineers
Iowa				
2013	Lost Island Lake Electric Barrier	Lake inlet barrier	Lost Island Lake Ruthven, Iowa	Iowa Department of Natural Resources
2013	Lake Okoboji Outlet Electric Barrier	Lake outlet barrier	Lower Gar Lake Milford, Iowa	Iowa Department of Natural Resources
South Dakota				
2006	Arrowwood National Wildlife Refuge Electrical Barrier	Main channel barrier	James River Jamestown, South Dakota	U.S. Fish & Wildlife Service