Wisconsin Department of Natural Resources
Water Quality Bureau
Division of Environmental Management





Wisconsin's Water Quality Report

The Federal Clean Water Act (CWA) requires all states to prepare a Water Quality Report to Congress every two years. This "Integrated Report" combines the CWA sections 305(b) and 303(d). The report contains an overall summary of water quality conditions in the State and an updated Impaired Waters List. Wisconsin data are also provided electronically to the United States Environmental Protection Agency (EPA) as part of the Integrated Reporting Process.

Wisconsin's 2016 Wisconsin Water Quality Report to Congress summarizes assessment progress and activities related to water quality protection during the past two years. This document is an online publication only that can be accessed at the Wisconsin Department of Natural Resources (WDNR) website: http://dnr.wi.gov/topic/surfacewater/assessments.html.



View of the Wisconsin River from Wyalusing State Park. Photo by Ashley Beranek.

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Previous reports were published in 2014 (online only), 2012 (online only), 2010, 2008 (data submittal only), 2006, 2004, 2002, 2000, 1996, 1994, 1992, 1990, 1988, 1987, and earlier. WDNR's earlier documents are available for review at the GEF II building, 101 S. Webster Street, Madison. Later versions are available electronically.



Letter to Citizens

Every two years, Wisconsin provides a *Water Quality Report to Congress*. This report summarizes the condition of the State's water resources (i.e., lakes, rivers, streams, wetlands, drinking water, groundwater, and Great Lakes) and describes Wisconsin's programs to manage, protect and enhance those water resources that are so vital to our culture and our economy.

As part of the Department of Natural Resources' mission, staff in the Water Programs work hard to use the resources available – in the most efficient manner possible – to ensure that our efforts are focused on meeting the needs of the state's citizens and visitors. With the vast water resources in Wisconsin, it is critical to conduct our work in an organized manner that can be evaluated regularly and improved upon as needed. To that end, the Water Programs have four strategic objectives that help define our program goals and guide the work that we do:

- Protecting the Public Trust
- Implementing the Clean Water Act
- Sustaining Healthy Fisheries
- Providing Safe Drinking Water and Groundwater

WDNR's Water Program staff work hard to efficiently use resources available to ensure focused efforts on meeting water quality goals and protecting recreational uses for generations to come. The quality of life benefits from protecting our water resources that are vital to the State's economy. WDNR continually strives to make decisions based on science, track and document progress, and educate the public about water quality issues. In partnership with citizen groups, tribal partners and other state and federal agencies, staff will continue to seek opportunities for collaboration to assess and improve our water resources.

Wisconsin's responsibilities to assess, manage, protect, and enhance our water resources for the citizens of Wisconsin are reflected in this 2016 Integrated Water Quality Report to Congress. This report satisfies federal reporting requirements and provides insights into the WDNR's multitude of water-related programs.

Looking forward, I am confident that you'll agree that Wisconsin is well prepared to continue to evaluate, protect and improve our precious water resources for the citizens of Wisconsin.

Eric Ebersberger, Deputy Administrator Environmental Management Division



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A. Introduction

Wisconsin is a state bountiful with natural resources, including many and varied lakes, streams, wetlands, aquifers, and springs. Every other year, the Wisconsin Department of Natural Resources (WDNR) provides reports on the quality of the State's water resources to the United States Environmental Protection Agency (EPA), which in turn, shares this information with the United States Congress. The information provided may be considered as a tool for rule making, budget appropriations, and program evaluation by federal legislators.

Key Points

• Wisconsin has made great strides in surface water quality assessment and the assessment program continues to increase the number of assessed waters in the state. Through the combined use of careful study design, systematic assessment protocols, and innovative information technology tools that expedite the assessment and documentation process, more rivers, streams, and lakes have been assessed in this 2016 cycle than in previous cycles. There has been an 85% increase in assessed river and stream miles from 2008 to 2016 (Figure 1).

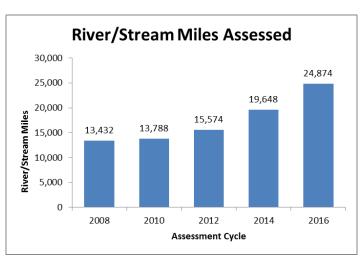


Figure 1. Total river and stream miles assessed during each assessment cycle since 2008.

The Water Action Volunteers (WAV) Program involves citizen monitors in the collection of stream water quality data that may be used by the WDNR and their partner organizations. WAV program has grown steadily throughout its 20 year history (Figure 2). In 2015, volunteers monitored a record 751 unique stream sites (making 4500+ site visits) in 59 counties across the three levels of the WAV program. In addition 150 new volunteers were trained in total phosphorus monitoring protocols. These new monitors, along with returning volunteers, monitored 198 unique stream sites for total phosphorus. The year 2015 also marked a shift to volunteers entering their data in the WDNR's Surface Water Integrated Monitoring System (SWIMS) database directly, which aligns with data management protocols of other volunteer monitoring programs.

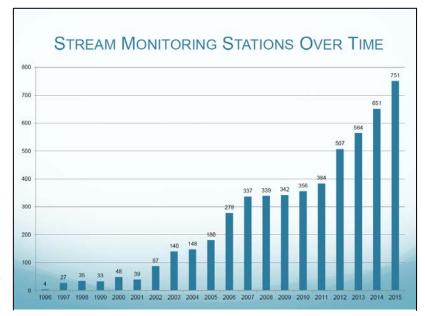


Figure 2. The number of unique river and stream sampling stations visited by WAV program volunteers from 1996 to 2015.



- The 2016 draft 303(d) impaired waters list has 225 waterbody segments newly proposed for listing. There are 10 waterbody segments proposed for removal from the list. There are 70 listed waters that had a pollutant added and 14 listed waters that had a pollutant removed. The number of proposed new listings is higher than in 2014 (192 waterbody segments); this increase is mostly due to the fact that new parameters (temperature and chronic toxicity due to chlorides) were systematically assessed for all waters in the state with available data.
- The EPA recently developed a new Clean Water Act (CWA) 303(d) Program Vision with an emphasis in prioritizing the work that is most important to meet state water quality goals as states, tribes, territories, and EPA implement CWA 303(d) Program responsibilities with existing resources. In addition to Total Maximum Daily Load (TMDL) analyses the new Vision allows for consideration and use of other tools as appropriate to achieve applicable water quality standards, including protection plans and alternatives to TMDLs. WDNR continues to work with EPA to develop alternative restoration plans, such a Nine Key Element Plans. The EPA has identified nine key planning elements that are critical for protecting and improving water quality. Plans that reflect the nine key elements help assess the contributing causes and sources of nonpoint source pollution within a defined watershed area and then prioritize pollutant reduction strategies to restore or protect water quality.
- CWA Section 303(d) requires each state to prioritize waterbodies identified on their impaired waters list for TMDL development. During the 2016 assessment cycle a new prioritization framework was developed. Past priority rankings were evaluated to determine if TMDL development could be completed based on available staff and fiscal resources. The primary change in the prioritization process is the incorporation of a systematic and objective modeling analysis that identifies watershed areas at a 12-digit Hydrologic Unit Code (HUC-12) scale experiencing the most ecological degradation and vulnerability to future degradation. Priority areas identified by the model are further screened by WDNR staff experts to remove areas already addressed by a TMDL or alternative restoration plan. The new approach also focuses planning efforts on the two most commonly identified pollutants on the impaired waters list: total phosphorus and total suspended solids.
- Wisconsin recently released a comprehensive Water Quality Monitoring
 Framework for 2015 2020 (Figure 3). The strategic monitoring plan is
 designed to guide ambient monitoring through 2020 with an updated
 framework including media-specific studies, protocol inventory, and field
 procedures that reflect advances in study designs to answer questions aligned
 with federal and state program requirements and goals.



Figure 3. Wisconsin's Water Monitoring Strategy 2015 – 2020. Click to open [PDF].



B. Background Information

B1. Total Waters

There are over five and a half million people in Wisconsin that share the state's bountiful water resources. Wisconsin has approximately 1.2 million lake and impoundment acres and approximately 88,000 river and stream miles. The state's resources also include 1,000 miles of Great Lakes shoreline, 5 million acres of wetlands, and 1.2 quadrillion gallons of groundwater. Despite the abundance of water resources in Wisconsin many are threatened by human-induced stressors.

Wisconsin's Water Resources at a Glance				
Wisconsin Population	5,753,324*			
Lakes Number of Lakes Lake Acres	15,000 1.2 million			
Stream Miles	88,000			
Great Lakes Shoreline Miles Coastal Beach Miles	1,000 192			
Wetland Acres Groundwater Gallons	5 million 1.2 quadrillion			

^{*} Wisconsin Department of Administration January 1, 2015 estimate by DOA.

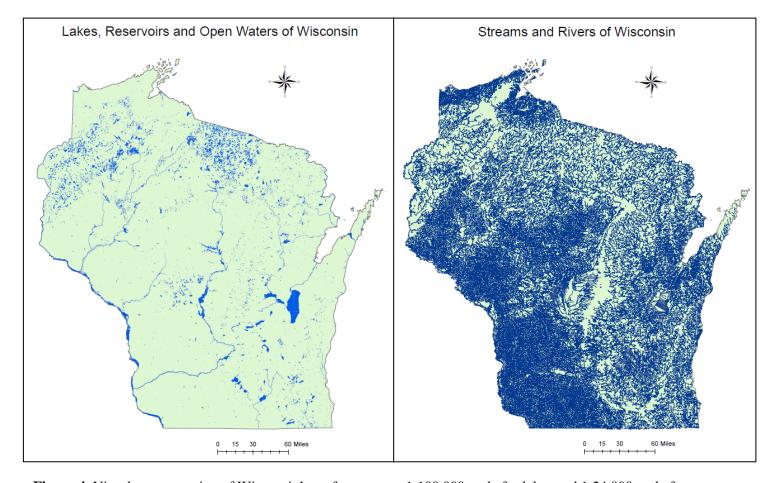


Figure 4. Visual representation of Wisconsin's surface waters; 1:100,000 scale for lakes and 1:24,000 scale for streams.



B2. Water Pollution Control Programs

A broad range of WDNR programs within the Bureaus of Water Quality and Watershed Management contribute to water quality improvements.

Total Maximum Daily Load Program

Under section 303(d) of the CWA, states, territories and authorized tribes are required to submit lists of impaired waters. These are waters that are too polluted or otherwise degraded to meet water quality standards. The law requires that the states establish priority rankings for waters on the lists and develop Total Maximum Daily Loads (TMDL) for these waters. A TMDL is the amount of a pollutant a waterbody can receive and still meet water quality standards. A TMDL serves as a planning tool and potential starting point for restoration or protection activities with the ultimate goal of attaining or maintaining water quality standards. In simple terms, a TMDL is a pollution "budget" for a water body or watershed that establishes reductions needed from each pollutant source to meet water quality goals. While some waters may be restored through alternative projects such as Nine Element Watershed Restoration Plans, many issues are addressed through TMDLs.

The EPA recently developed a new CWA 303(d) Program Vision with an emphasis in prioritizing the work that is most important to meet state water quality goals as states, tribes, territories, and EPA implement CWA 303(d) Program responsibilities with existing resources. It fosters opportunities for collaboration and integration with other CWA programs; with other programs within the agency; with other agencies; and between EPA and the states, tribes, and territories, all of which can help to strategically focus resources. WDNR's prioritization framework continues to evolve; past prioritization schemes have been revamped to address lessons learned, new thinking, and alternative strategies to restoration and protection. There are many ways to prioritize waters and watersheds for restoration and protection, and the WDNR has recently revised its methods to better meet the Vision prioritization goal and allow for more focused utilization of limited staff and fiscal resources. Wisconsin's prioritization framework, used to prioritize the 2016 impaired waters list, is included in Appendix A.

In addition to TMDL analyses the new Vision allows for consideration and use of other tools to achieve applicable water quality standards, including protection plans and alternatives to TMDLs. WDNR continues to work with EPA to develop alternative restoration plans, such a Nine Key Element Plans. Development of watershed—based plans funded with Section 319 funds must be consistent with EPA's nine elements. The elements can be used in watersheds with impaired waters or used to protect watersheds not yet impaired. Watershed plans consistent with EPA's nine key elements provide a framework for improving water quality in a holistic manner within a geographic watershed. The nine elements help assess the contributing causes and sources of nonpoint source pollution, involve key stakeholders and prioritize restoration and protection strategies to address water quality problems.

The following page lists the TMDLs that have been approved by EPA. To see a list of waters that are included in these TMDLs, please use our <u>search impaired waters</u> tool to find waters with the status code of "Approved TMDL." To see a map of TMDL sites, use the <u>TMDL Map Status</u>. The online <u>project search tool</u> can also be used to find more detailed information about a specific TMDL project.



Approved TMDLs

- Rock River TMDL Website, 2012
- Red Cedar River (Tainter Lake, Lake Menomin) TMDL, 2012 || USEPA Decision Document [PDF]
- Lake St. Croix TMDL, 2013 [PDF] || USEPA Decision Document [PDF]
- Lower Fox River Basin and Lower Green Bay TMDL, 2012 [PDF]
- Little Lake Wissota, 2010 [PDF]
- Milwaukee Cedar Creek, 2008 [PDF]
- Mead Lake, 2008 [PDF]
- Little Willow Creek, 2008 [PDF]
- Otter Creek, 2008 [PDF]
- Dougherty Creek, 2008 [PDF]
- Hardies Creek, 2008 [PDF]
- Stillwell & Squaw Creek, 2007 [PDF]
- Parsons Creek, 2007 [PDF]
- Martin, Martinville, and Rogers Branch, 2007 [PDF]
- Gills Coulee Creek, 2006 [PDF]
- Snowden Branch, 2006 [PDF]
- Waumandee Creek Watershed, 2005 [PDF]
- Becky Creek, 2005 [PDF]
- Sugar Pecatonica River Basin, 2005 [PDF]
- Castle Rock Creek, 2004 [PDF] | USEPA Decision Document
- Carpenter Creek TMDL, 2004 [PDF]
- Gunderson Valley Creek, 2004 [PDF] | USEPA Decision Document
- Halfmoon Lake, 2004 [PDF]
- Silver Lake, 2004 [PDF]
- Trump Coulee Creek, 2004 [PDF]
- Eagle Creek & Joos Valley, 2003 [PDF]
- Sugar–Honey Creeks Watershed, 2003 [PDF]
- Middle Trempealeau River Watershed Sediment TMDL, 2002 [PDF]
- Jug Creek [PDF]
- Cedar Lake, 2003 [PDF]
- Token Creek, 2002 [PDF] || USEPA Decision Document
- Squaw Lake, 2000 [PDF] || USEPA Decision Document



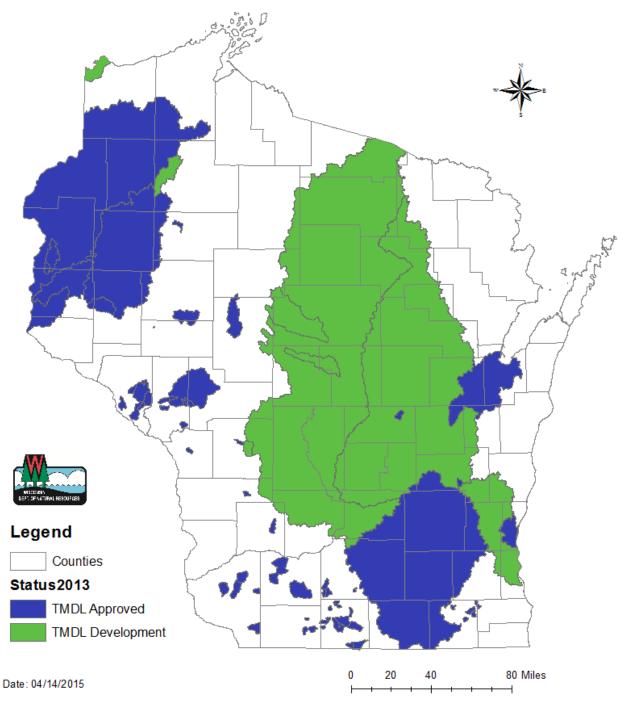


Figure 5. Map of TMDL Approved and TMDL Development areas in Wisconsin. For more information on these TMDL areas visit the online map: http://dnr.wi.gov/topic/tmdls/tmdlMap.asp.



Runoff Management Programs

Nonpoint source (NPS) pollution, unlike pollution from industrial and municipal wastewater treatment facilities, comes from many diffuse sources. NPS pollution is caused by rainfall or snowmelt moving over and through the ground. As the runoff moves, it picks up and carries away natural and human-made pollutants, finally depositing them into rivers, lakes, wetlands, and groundwater. The origins of NPS pollutants are diffuse and often difficult to trace. Human-related origins of NPS pollution that have been identified as most prevalent in Wisconsin include:

- animal production operations and feedlots
- other agricultural activities
- streambank and shoreline erosion
- timber harvesting
- urban land development
- transportation-related facilities.







Potential sources of runoff

Wisconsin has long been recognized as a leading state in the effort to control nonpoint source pollution. Since 1978, the state's NPS Program has made significant progress in addressing runoff-related water quality problems that, in many cases, had existed for decades. In 2015 alone, the WDNR and Wisconsin Department of Agriculture, Trade and Consumer Protection (WDATCP) allocated nearly \$19 million in state and federal funds to counties for nonpoint source pollution abatement activities. Even with this work, runoff management is still one of the largest remaining challenges to improving and protecting the state's water quality.

Wisconsin's NPS Program is implemented through a comprehensive network of federal, state, and local agencies, working in partnership with other organizations and the citizens of Wisconsin to address the significant nonpoint sources in the state, including agriculture, urban, forestry, wetlands, and hydrologic modifications. The core activities of these programs – research, monitoring, data assessment and management, regulation and enforcement, financial and technical assistance, education and outreach, and public involvement – work to address current and prevent future water quality impairments and threats caused by NPS pollution. Wisconsin's success in addressing NPS issues is aided by the partnerships that have been developed and the use of both voluntary and regulatory approaches coupled with financial and technical assistance.

Chapter 4 of the State's <u>Nonpoint Source Program Management Plan</u> describes the partnerships, programs and financial resources that work in coordination to decrease NPS pollution and describes how the state has institutionalized its program beyond the annual implementation of Section 319-funded activities and projects.

Wisconsin Water Quality Report to Congress 2016

Runoff Management

Control of polluted runoff continues to be one of the most important challenges in the State's effort to protect Wisconsin's water resources. Urban and rural land use activities are the source of runoff pollutants entering Wisconsin's lakes, streams, wetlands, and groundwater. Common pollutants in runoff include the following:

- Sediment from construction sites, croplands, and other urban and rural sources
- Nutrients and pesticides from both urban and rural sources
- Oil, grease, heavy metals, and other toxic materials from impervious surfaces such as streets, highways, roof, and parking lots
- Farm animal wastes from barnyards and spread on agricultural fields and pet wastes from urban areas

The effects of polluted runoff can be seen in degraded fish habitat, fish kills, nutrient-loaded waters causing heavy weed growth, degradation of drinking water supplies, siltation of harbors and streams, diminished recreational uses, and changes in the natural hydrology of wetlands, streams, rivers, and lakes.

To address these pollutant problems, water quality managers encourage landowners and municipalities to implement and install "Best Management Practices" (BMPs) in rural and urban areas. BMPs, such as grassed waterways, cover crops, nutrient management, manure storage facilities, or detention ponds, help to prevent movement of pollutants to surface water and groundwater.

The State's efforts to restore water resources affected by polluted runoff center around Wisconsin's Runoff Management Program. The program is embodied in nine administrative rules, promulgated in October 2002, to address urban and rural runoff pollution problems statewide; eight are administered by the WDNR, and one is administered by the WDATCP.

Three primary components of the WDNR's Runoff Management Program include implementation of runoff management grant programs, point source discharge permitting of stormwater and agricultural runoff sources, and implementation of state regulatory performance standards.

Wisconsin has been recognized as a leading state in the effort to control polluted runoff. The Runoff Management Program is a joint effort of the WDNR, the WDATCP, county Land Conservation Departments (LCDs), and municipalities, with assistance from a variety of federal, state, and local agencies, particularly the EPA, the USDA Natural Resources Conservation Service (NRCS), and the University of Wisconsin-Extension.

Runoff Management Grant Program

The WDNR's runoff management grant programs include the Targeted Runoff Management (TRM) Grant Program, the Notice of Discharge (NOD) Grant Program, and the Urban Nonpoint Source and Stormwater Management (UNPS) Grant Program. Each of the grant programs offers cost-sharing assistance to local units of government. Counties typically assist landowners in the implementation and installation of agricultural BMPs to control nonpoint source pollution. Municipalities usually directly fund BMP construction and stormwater planning within their boundaries. The programs are described in further detail below. Table 1 shows the amount and types of BMPs funded through these programs in 2013 and 2014, the most recent two years for which records are available. An additional synopsis of grant funding distributed by the WDNR for these programs can be found in the Land and Water Conservation Annual Report.



Table 1. Best Management Practices (BMPs) and planning activities funded through WDNR Runoff Management Grants.

Agricultural BMP Name	Installed in 2013	Installed in 2014
Access Roads and Cattle Crossings	1611 feet	400 Feet
Animal Trails and Walkways	300 feet	NA
Barnyard Runoff Control Systems	17	6
Critical Area Stabilization	10 acres	10 acres
Diversions	2,338 feet	300 feet
Filter Strips	0.5 acres	NA
Heavy Use Area Protection	3,003 acres	1 acre
Livestock Fencing	2,980 feet	NA
Livestock Watering Facilities	8	2
Manure Storage System Closure	4	3
Manure Storage Systems	23	10
Milking Center Waste Control Systems	6	3
Nutrient Management	200 acres	130 acres
Relocating or Abandoning Animal Feeding Operations	NA	1
Roof Runoff Systems	2	3
Roofs	4	2
Sediment Basins	1	NA
Streambank/Shoreline Rip-rapping (incl. associated	1,190 feet	NA
fencing)	1,190 feet	
Underground Outlets	1,101 feet	160 feet
Waste Transfer Systems	11	9
Wastewater Treatment Strips	2 acres	1 acre
Water & Sediment Control Basins	NA	2
Waterway Systems	4 acres	1 acre
Urban BMP/Planning Activity Name	Installed in 2013	Installed in 2014
Land Acquisition	3 acres	NA
Street Sweeping	1 sweeper	NA
Urban Detention System	2	7
Urban Infiltration System	1	NA
Urban Practice Design	2	NA
Urban Stormwater/Erosion Plan	3	3
Information & Education Activities	NA	1

Targeted Runoff Management Grant Program

The TRM Grant Program provides financial assistance to rural and urban governmental units to control polluted runoff. The maximum cost-share rate available to TRM grant recipients is 70 percent of eligible project costs, up to a maximum of \$150,000 (total state share) for Small-Scale projects and up to \$1,000,000 for Large-Scale projects. Local governments that are awarded TRM grants may use the funds on lands they control or make the funds available to private landowners. The projects last from two to four years.

During calendar year 2013, the TRM Grant Program awarded \$3,832,807 for 25 projects to local units of government. In 2014, \$3,551,668 for 22 projects were awarded, and in 2015, \$3,153,674 were awarded for 19 projects. TRM grant funds are used to install a variety of agricultural and urban BMPs (see Table 1; BMP implementation data is not yet fully available for 2015).

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Additional information about the TRM Grant Program is available on the WDNR web site at: http://dnr.wi.gov/Aid/TargetedRunoff.html.

Notice of Discharge Grant Program

NOD Grants are provided by WDNR and WDATCP to local units of government (typically counties). A combination of state and federal funds is used to support NOD grants. The purpose of these grants is to provide cost sharing to farmers who are required to install agricultural best management practices to comply with NOD requirements. NODs are issued by the WDNR under ch. NR 243 Wis. Adm. Code, to small and medium animal feeding operations that pose environmental threats to state water resources.

Both state agencies work cooperatively to administer funds set aside to make NOD grant awards. Although the criteria for using agency funds vary between the two agencies, WDNR and WDATCP have jointly developed a single grant application that can be used to apply for funding from either agency. The two agencies jointly review the project applications and coordinate funding to assure the most cost-effective use of the available state funds. Funding decisions must take into account the different statutory and other administrative requirements each agency operates under.

Additional information about the NOD Grant Program is available on the WDNR web site at: http://dnr.wi.gov/Aid/NOD.html.

Urban Nonpoint Source & Stormwater Management Grant Program

The UNPS Grant Program focuses on financial assistance to governmental units in urban areas to control polluted runoff. To be eligible for a grant, urban areas should have a population of at least 1,000 people per square mile, have a commercial land use, or include a non-permitted portion of a privately owned industrial site. UNPS Grants can be used to pay for a variety of activities. Eligible planning activity costs for stormwater planning, related informational and educational activities, ordinance development and enforcement, and training and design are cost-shared at 50 percent. Eligible best management practice construction costs may include such projects as stormwater detention ponds, infiltration basins, streambank stabilization, and shoreline stabilization, and are cost-shared at 50 percent. The funded projects last between two and three years.

In 2013, \$1,838,788 were awarded for 16 construction projects and \$701,187 for 14 planning projects. In 2014, \$2,418,711 were awarded for 16 construction projects and \$1,089,011 for 18 planning projects, and in 2015, \$1,800,147 were awarded to 17 construction projects, and \$1,293,781 were awarded to 20 planning projects.

Additional information about the UNPS Grant Program is available on the WDNR web site at: http://dnr.wi.gov/Aid/UrbanNonpoint.html.

Agricultural Runoff

Approximately 14,000 active livestock operations exist in Wisconsin. Manure from livestock operations contains organic materials, nitrogen, phosphorus and other water pollutants. Through Wisconsin Pollution Discharge Elimination System (WPDES) permits issued under ch. 283, Wis. Stats., and ch. NR 243, Wis. Adm. Code, the WDNR has helped to avoid many water quality impacts from larger-scale livestock operations. In addition, the WDNR has used the Notice of Discharge (NOD) Program under ch. NR 243, Wis. Adm. Code, and the agricultural performance standards and prohibitions promulgated in ch. NR 151, Wis. Adm.Code, in October 2002, to address water quality impacts from many smaller-scale livestock operations in the State.



WPDES Permits for Large Operations

Water quality concerns associated with livestock operations with 1,000 animal units or more (also referred to as Concentrated Animal Feeding Operations, or CAFOs) are addressed through the WPDES permit program. One thousand animal units are approximately equal to 700 milking cows, 1,000 beef cattle, 2,500 swine or 55,000 turkeys. These operations are required to obtain a WPDES permit that addresses storage, runoff, and land application of manure and other process wastewaters from these operations. As of December 31, 2015, there were 278 CAFOs permitted under the WPDES program, and another 17 new permit applications pending. (NOTE: One permit covers approximately 30 poultry



Cattle yard

operations owned or operated by the same company.) The WDNR has experienced a significant increase in the number of operations applying for permits in recent years, especially in the dairy sector. The WPDES permit program meets or exceeds National Pollutant Discharge Elimination System (NPDES) requirements for livestock operations with 1,000 animal units or more, particularly in the areas of addressing groundwater quality impacts. In 2007, Wisconsin finalized its revisions to ch. NR 243, Wis. Adm. Code, which regulates CAFOs. These revisions reflect changes that were made at the federal level.

Notices of Discharge Address Problem Areas: Increased Funding

NODs may be issued to smaller-scale livestock operations if an on-site investigation reveals the presence of a discharge to waters of the State. Technical assistance to control the discharge is typically available through the county Land Conservation Departments (LCDs), and cost-share financial assistance can be obtained through local, state, and federal cost-share programs. If the water quality impact is not the result of a discharge that meets the federal definition of point source, cost sharing must be provided to cover at least 70% of eligible costs. Throughout the process of addressing impacts identified in an NOD, the WDNR may conduct follow-up investigations to monitor compliance. A livestock operator who fails to implement necessary corrective measures within a specified timeframe is subject to a loss of cost-share funding and may be required to obtain a WPDES permit from the WDNR.

Since the mid-1980s WDNR has used NODs under ch. NR 243, Wis. Adm. Code, to address significant discharges to state waters from small (<300 animal units) and medium (300 – 999 animal units) sized livestock operations. WDATCP engineers and county staff provide technical assistance. Both WDNR and WDATCP provide grant funding to address NOD sites and jointly administer a grant application process that uses a combination of state and federal EPA funding. Additional information about the NOD Grant Program is available on the WDNR web site at: http://dnr.wi.gov/Aid/NOD.html.

Investigation of Spills and Complaints

Where spills and complaints have occurred the WDNR investigates the causes of these instances. Where impacts can be tied to a given farm's practices, the WDNR has pursued enforcement using existing authority to address these events (e.g., WPDES permit enforcement, spills law, citation authority). The result of these efforts range from the payment of a fine to cost-recovery for killed fish to referral to the State's Department of Justice for prosecution and payment of forfeitures. In addition, the WDNR has been able to help some families replace manure impacted wells through the State's Well Compensation Fund.



Stormwater

Since the mid-1990s, WDNR has administered a program under ch. NR 216, Wis. Adm. Code, to address the issue of polluted stormwater runoff. Typical sources for this type of pollution are municipal storm sewers that collect runoff from lawns, streets, and parking lots, and runoff from construction and industrial sites that discharge to surface waters or groundwater without treatment. Research on urban streams in Wisconsin has shown high concentrations of suspended solids, bacteria, heavy metals, oil, grease, and polyaromatic hydrocarbons as a result of stormwater discharges from these sources.

WDNR has a permit program to regulate stormwater discharges from municipal, industrial, and construction site sources. The



Stormwater drain receiving runoff

municipal stormwater program addresses stormwater discharges from municipal separate storm sewer systems (MS4s), including large and medium MS4s (those serving a population over 100,000 people), MS4s in designated urbanized areas, and MS4s that serve a population of 10,000 people or more. The industrial stormwater program regulates industrial facilities based upon the type of industrial activity undertaken. The construction site permit program regulates sites where one or more acres of land is disturbed for new construction or redevelopment.

Municipal Permits

As of December 31, 2015, there were 68 municipalities regulated under individual MS4 stormwater permits in Wisconsin. Additionally, there were 177 MS4s covered under a general MS4 stormwater permit. The general MS4 stormwater permit contains six minimum control measures to reduce pollutants in urban stormwater. Some municipalities have implemented stormwater utilities to fund their local programs.

Industrial Permits

As of December 31, 2015, there were over 5,600 industrial facilities covered by a stormwater discharge permit. Industrial permittees must develop stormwater pollution prevention plans to identify sources of stormwater contamination and pollution prevention measures. The Auto Dismantling and Scrap Recycling permittees, 258 and 169 permits, respectively, are offered the option of joining a Cooperative Compliance Program, developed to establish industry-wide approaches to reducing or eliminating stormwater contamination. These programs provide group training, foster information sharing and promote BMPs.

Construction Site Erosion Control

On average, the WDNR confers coverage to nearly 1,500 construction sites annually. Owners of construction sites are required to develop and implement site-specific erosion control and stormwater management plans to prevent pollutants from entering waters of the State.

Performance Standards

The WDNR has made a commitment to performance-based pollution control. Since October 2002, the NPS Program has been in transition from implementing Priority Watershed/Lake Projects to implementing the statewide agricultural, non-agricultural and transportation performance standards, as well as manure management prohibitions. The standards, promulgated in ch. NR 151, Wis. Adm. Code, are intended to be minimum standards of performance necessary to achieve



water quality standards. Implementing the performance standards and prohibitions on a statewide basis is a high priority for the Runoff Management Program.

Wisconsin moved to the use of performance standards rather than requiring prescriptive practices such as buffer strips or tillage practices for a number of reasons. This method allows the affected party, whether a crop, livestock or dairy farmer, or a regulated municipality the ability to use their knowledge of their land, past practices, and resource availability, as well as their short-term goals and long-term plans in deciding how best to meet the standards. Using performance standards recognizes that methods, which work well in one area of the state, might not work in others due to differences in soil, climate conditions, slope or other variables. It also recognizes that technology and management practices continue to evolve and thus a performance standard allows for continued improvement without the need to change the regulations.

The performance standards represent the most integrated standards needed to address the major sources of polluted runoff in rural and urban areas in a cost-effective manner. The performance standards and prohibitions are also designed for a more comprehensive approach to control runoff pollution in Wisconsin and to restore designated uses to waterbodies degraded by polluted runoff. Implementation of the performance standards and prohibitions through local ordinances conveys more implementation and enforcement capabilities to local governments. These standards have become a compliance requirement in other programs, including the WDATCP's Farmland Preservation Program and Livestock Siting Program.

In December 2010, a revised version of NR 151 was published. The rule changes strengthened regulations to control runoff pollution, particularly phosphorus, from agriculture and urban sources and also to fairly balance controlling runoff between urban and agricultural sources. In addition, the revised rule language established a process for addressing the more stringent nonpoint source pollution controls that will likely be needed in TMDL areas. Revisions to ATCP 50 in 2014 added requirements and technical standards to facilitate implementation of the new performance standards.

A brief description of the agricultural and non-agricultural performance standards and manure management prohibitions in ch. NR 151, Wis. Adm. Code, is included here. The full administrative code can be found at: http://docs.legis.wisconsin.gov/code/admin_code/nr/100/151.pdf.

Agricultural Performance Standards and Prohibitions

Tillage setback: A setback of 5 feet from the top of a channel of a waterbody for the purpose of maintaining stream bank integrity and avoiding soil deposits into state waters. Tillage setbacks greater than 5 feet but no more than 20 feet may be required if necessary to meet the standard. Harvesting of self-sustaining vegetation within the tillage setback is allowed.

Phosphorus Index (PI): A limit on the amount of phosphorus that may run off croplands as measured by a phosphorus index with a maximum of 6, averaged over an eight-year accounting period, and a PI cap of 12 for any individual year. The PI will take effect on July 1, 2012 for pastures.

Process wastewater handling: a prohibition against significant discharge of process wastewater from milk houses, feedlots, and other similar sources.

Meeting TMDLs: A standard that requires crop and livestock producers to reduce discharges if necessary to meet a load allocation specified in an approved TMDL by implementing targeted performance standards specified for the TMDL area using best management practices specified in ch. ATCP 50, Wis. Adm. Code. If a more stringent or additional performance standard is necessary, it must be promulgated by rule before compliance is required.

Sheet, rill and wind erosion: All cropped fields shall meet the tolerable (T) soil erosion rate established for that soil. This provision will also apply to pasture lands starting in 2012.

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Manure storage facilities: All new, substantially altered, or abandoned manure storage facilities shall be constructed, maintained or abandoned in accordance with accepted standards, which includes a new margin of safety. Failing and leaking existing facilities posing an imminent threat to public health or fish and aquatic life or violate groundwater standards shall be upgraded or replaced.

Clean water diversions: Runoff from agricultural buildings and fields shall be diverted away from contacting feedlots, manure storage areas and barnyards located within water quality management areas (300 feet from a stream or 1,000 feet from a lake or areas susceptible to groundwater contamination).

Nutrient management: Agricultural operations applying nutrients to agricultural fields shall do so according to a nutrient management plan. This standard does not apply to applications of industrial waste, municipal sludge or septage regulated under other WDNR programs provided the material is not commingled with manure prior to application.

Manure management prohibitions:

- o no overflow of manure storage facilities
- o no unconfined manure piles in a water quality management area
- o no direct runoff from feedlots or stored manure into state waters
- o no unlimited livestock access to waters of the state in locations where high concentrations of animals prevent the maintenance of adequate or self-sustaining sod cover

Non-Agricultural Performance Standards

New Development, Infill, and Redevelopment

Construction sites with one or more acre of land disturbance shall reduce sediment to the maximum extent practicable in accordance with an erosion and sediment control plan. The performance standard was an 80% sediment reduction until January 1, 2013, after which the standard changed to a maximum discharge of 5 tons per acre per year of sediment.

For post-construction storm water management, a plan is required to be developed and implemented to meet the post-construction performance standards for construction sites with one or more acre of land disturbance (Note: Not all post-construction performance standards apply to infill or redevelopment). The plan shall include best management practices to meet the performance standards for:

- o Total suspended solids
- o Peak runoff discharge rates
- Infiltration
- o Protective areas near waterbodies and wetlands
- o Control of petroleum products runoff from fueling and vehicle maintenance

Developed Urban Areas

Municipalities with average population densities of 1,000 people per square mile or greater and contiguous commercial and industrial areas shall meet the following:

- o public education promoting proper yard and garden care to minimize polluted runoff
- o appropriate leaf management and collection and proper disposal of grass clippings
- o nutrient application schedules when fertilizers are applied to its properties over 5 acres (this also applies to privately-owned areas of this size)
- o detection and elimination of illicit discharges to storm sewers

In addition to the above, municipalities that are regulated under a municipal separate storm sewer system (MS4) permit pursuant to subchapter I of NR 216, Wis. Adm. Code, are required meet the developed urban area performance standard of a 20% reduction in total suspended solids. Municipalities covered under an MS4 permit prior to July 1, 2011 that

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achieved a greater that 20% reduction in total suspended solids as of that date are required to maintain their best management practices to the maximum extent practicable.

Water Quality Standards

The purpose of water quality standards is to maintain and improve the quality of Wisconsin's waters, and to uphold the requirements of the CWA, by:

- Determining the types of activities the water should support, also commonly referred to as a waterbody's "Designated Uses".
- Developing water quality criteria to protect these Designated Uses from excess pollution.
- Establishing an antidegradation policy to maintain and protect existing uses and high quality waters.
- Identifying general policies to implement these protection levels in point source discharge permits and other program areas.

Water quality standards for surface waters are outlined in chs. NR 102, 104, and 105 of the Wisconsin Administrative Code. Water quality standards serve as the benchmark in determining the health of the waterbody, helping to identify a range of conditions from the highest quality waters (Outstanding and Exceptional Resources Waters) to the impaired waters of the State.

Designated Uses

As part of water quality standards, each waterbody is assigned a set of Designated Uses. Wisconsin's Designated Uses are:

Fish and Aquatic Life: All surface waters are considered appropriate for the protection of fish and other aquatic life. Surface waters vary naturally with respect to factors like temperature, flow, habitat, and water chemistry. This variation allows different types of Fish and Aquatic Life communities to be supported. Five subcategories for fish and aquatic life uses are outlined in s. NR 102.04, Wis. Adm. Code. Classifying waters into these subcategories involves science that reflects an evaluation of the resource and its natural characteristics.

Recreational Use: All surface waters are considered appropriate for recreational use, which includes activities that involve contact with water such as swimming, water skiing, canoeing, kayaking, scuba diving, wading, boating, fishing, and hunting.

Public Health and Welfare: All surface waters are considered appropriate to protect for incidental contact and ingestion by humans. All waters of the Great Lakes as well as a small number of inland waterbodies are also identified as public water supplies and have associated water quality criteria to account for human consumption. Fish Consumption Use also falls under this category.

Wildlife: All surface waters are considered appropriate for the protection of wildlife that relies directly on the water to exist, or relies on it to provide food for existence.

Triennial Water Quality Standards Review

Every three years, the WDNR reviews Wisconsin's surface water quality standards and selects specific standards or related guidance for development or revision. This comprehensive evaluation, called the Triennial Standards Review (TSR), is required by the federal CWA and is an essential process to keep Wisconsin's waters swimmable, fishable,

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drinkable, and suitable for use by industry, agriculture and the citizens of the State. This review helps focus WDNR efforts to integrate the latest science and technology, and federal requirements into how the State regulates surface water quality. In addition, this process assists the WDNR in its work planning process and in identifying needed actions for moving projects forward.

The public has an opportunity to participate in assigning priorities under the TSR, as well as to provide comments on specific rulemaking that results from TSR priorities. Based on internal and external feedback, WDNR has set priorities for the 2015 – 2017 TSR, and is actively engaged in rulemaking and/or guidance development for these priority topics: updating designated use categories, establishing biocriteria, creating a process for site-specific criteria for phosphorus, revision of bacteria criteria for recreation, and revising antidegradation codes, among others. For more information about the TSR process and for the final 2015-2017 TSR Priorities report visit the TSR website: http://dnr.wi.gov/topic/surfacewater/tsr.html.

Rules in progress:

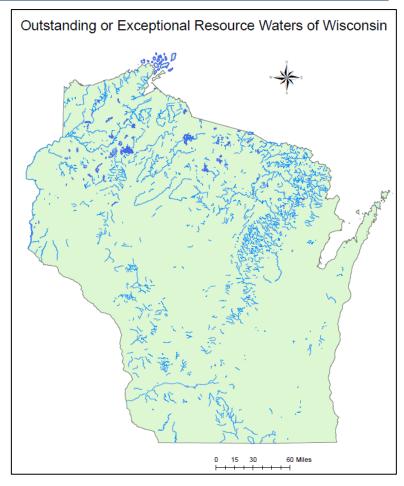
- Bacteria criteria for recreational uses: The WDNR's bacteria criteria are being revised for consistency with EPA criteria. Wisconsin previously used a mix of fecal coliform and E. coli, but will now shift to using E. coli statewide. This will also provide more consistency between parts of the state within the Great Lakes and the rest of the state.
- **Designated Use revisions:** The aquatic life designated use structure is being updated consistent with EPA's concept of Tiered Aquatic Life Uses. The new structure will better reflect both the variety of aquatic life communities and recognize differences in quality within each community type.
- Biocriteria and bioconfirmation of phosphorus impacts: Biological metrics are the most direct measure of ecosystem health. Biocriteria are being established to set criteria for biological quality within different types of waterbodies. Similarly, biological metrics that respond to phosphorus are being developed for use in conjunction with the state's phosphorus criteria, to indicate whether a waterbody is experiencing degradation due to phosphorus. The phosphorus criteria and bioconfirmation will be used in conjunction with one another to make impairment determinations.
- **Site-specific criteria for phosphorus:** The WDNR has existing authority to create site-specific criteria for phosphorus; this rule will establish a consistent process for doing so. Site-specific criteria may be developed in cases where the statewide phosphorus criterion is either over- or under-protective of an individual waterbody.
- Antidegradation: Antidegradation is a principle applied to prevent degradation of water quality. The WDNR
 intends to revise the existing antidegradation section of the code, to establish a clearer antidegradation protocol
 consistent with EPA's regulations.

High Quality Waters: Outstanding & Exceptional Resource Waters

Wisconsin has designated many of the State's highest quality waters as Outstanding Resource Waters (ORWs) or Exceptional Resource Waters (ERWs). Waters designated as ORW or ERW are surface waters which provide outstanding recreational opportunities, support valuable fisheries and wildlife habitat, have good water quality, and are not significantly impacted by human activities. ORW and ERW status identifies waters that the State of Wisconsin has determined should warrant additional protection from the effects of pollution. These designations are intended to meet federal CWA obligations which require Wisconsin to adopt an "antidegradation" policy designed to prevent any lowering of water quality, especially in those waters having significant ecological or cultural value.

Of Wisconsin's 15,000 lakes and impoundments, 114 are designated as ORW (fewer than 1%). For streams, it can be more useful to consider the number of stream *miles* rather than number of streams, since streams can be of widely varying lengths. The State of Wisconsin has a total of approximately 88,000 stream/river miles. Based on the current ORW/ERW list, a total of 3,100 stream miles (3.5%) have been designated as ORW, and 4,613 stream miles (5.2%) have been designated as ERW.

Figure 6. Map of all the Outstanding or Exceptional Resource Waters in Wisconsin.



Wastewater Management

The WDNR regulates municipalities, industrial facilities, and CAFO discharging to surface waters or groundwater of the State of Wisconsin through the WPDES Permit Program (See <u>Runoff Management Section</u> for discussion of WPDES permits for stormwater and CAFO). No person may legally discharge to surface waters or groundwater of the State without a permit issued under this authority. All permits issued under the WPDES permit program are either individual permits or general permits and may contain the following:

- Effluent limits for conventional (BOD, suspended solids, etc.), nonconventional (temperature, etc.), and toxic pollutants (heavy metals, organic chemicals, etc.) in the discharge
- Limitations on the quality and disposal practices for biosolids (or sludge) and by-products solids
- Pretreatment requirements, where applicable
- Compliance schedules for facility improvements
- Monitoring and reporting requirements
- Management practices that minimize the release of pollutants

Individual permits are issued to facilities that have unique, complex issues. WDNR imposes unique requirements where necessary and tailors standard requirements to fit circumstances where appropriate. General permits (GPs) are issued to cover a discharge type (for example, noncontact cooling water) and may be applied to any facility with that discharge type around the State. The WDNR makes a determination whether a particular facility is appropriately covered by an



individual or general permit. Coverage under a general permit is conferred by the WDNR to each individual facility via letter. There are 24 general permits that may be used in the Wastewater program to cover applicable discharges ranging from noncontact cooling water, to land application, to non-metallic mining operations. Approximately 5,500 facilities are covered under all general permits.

Timely Permit Issuance

Timely issuance and reissuance of WPDES permits is an important goal for WDNR. The goal of the WPDES permit program is to ensure that the WDNR does not exceed a statewide backlog of more than 10% at any time.

In some instances staff are not able to reissue permits before the 5-year term expires, because they are awaiting additional data from the permittee, there are public or other concerns necessitating additional review, or a permittee is not in substantial compliance with the terms of their current permit and enforcement action is underway. However, under Wisconsin law any permit that has expired and an application for permit reissuance has been filed 180-days prior to expiration continues in effect until it is reissued or revoked. A facility with an expired permit, therefore, is still restricted in the amount of pollutants that it can discharge and must follow all conditions of its expired permit until a new one is issued for them.

WPDES permits have become more and more complex as the program has matured. Newly emerging environmental concerns and changes in federal environmental laws drive changes to the WPDES program. For example, recent efforts to implement TMDLs, phosphorus criteria, and thermal pollution controls have significantly increased the complexity of WPDES permits. TMDLs create a pollution "budget" for a water body or watershed that establishes the reductions needed from each point and nonpoint source to meet water quality goals. Watershed permitting and other implementation tools are often needed to make TMDLs more successful, but can affect the timing of permit reissuance. Due to the cost of end-of-pipe phosphorus treatment, alternative compliance options such as adaptive management and water quality trading were developed to allow point sources and nonpoint sources to work together to reduce phosphorus loads throughout the watershed. Thermal compliance alternatives such as mixing zone studies and dissipative cooling demonstrations have been developed to help determine the need to control the heat load being discharged from municipal and industrial outfalls. These necessary but multifaceted compliance options have all impacted the permit backlog as individual and general permits have become significantly more complicated and taken more time to reissue. Each new environmental initiative also adds to staff time and effort spent on permit-related activities such as policy development, compliance determinations, review of permit data and report submittals, facility inspections, etc., which in turn slow the reissuance process and impact the permit backlog.

Staff vacancies have also had an impact on WDNR's permit backlog. Staff hired in the beginning of the WPDES program (1970s and 80s) have begun to retire, necessitating the hiring and training of new staff. It can take several years to train new staff in policy and permit processes, until they can become as efficient and effective as the experienced staff they are replacing.

Despite these challenges, the WDNR's Wastewater program has reduced its permit backlog over time. On January 1, 2012, the backlog of industrial and municipal permits, including both surface and groundwater discharges, was 34%. On January 1, 2014, it was 29%. On January 1, 2016, the permit backlog was 24%. The WDNR will strive to continue to decrease the WPDES permit backlog as new staff are hired and learn the program.

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Effluent Limitations

Each permit contains categorical effluent limitations, based on the type of facility, and/or water quality-based effluent limitations calculated to meet water quality standards. Effluent limitations regulate the amounts of biochemical oxygen demand (BOD), suspended solids, pH, nutrients, chlorine, temperature, toxic substances, or other pollutants of concern, depending on the type of facility and the designated uses of the receiving water to which it is being discharged. The need for whole effluent toxicity testing, used to determine the potential toxicity of the entire effluent matrix, is also evaluated for permits that discharge to surface waters.

Biosolids Disposal

Most municipalities in Wisconsin land apply their wastewater treatment biosolids (or sludge) on agricultural land as a soil conditioner or fertilizer. Biosolids either applied to farmland, or distributed for individual use as an exceptional quality product, are generated from approximately 98 percent of Wisconsin's permitted municipal facilities. In 2014, 213 facilities disposed of solids: 205 of these facilities either beneficially reused the material or hauled the material to a facility that beneficially reused it, one incinerated the material, and seven disposed of the material by only disposing into a licensed landfill. In addition to these facilities that dispose of biosolids annually, there are 368 permitted facilities which treat wastewater in lagoon systems or other systems which only require removal of biosolids on an infrequent basis (10-20 year cycles). Nearly all of the generators that infrequently dispose of their material land apply their biosolids.

Almost 50 percent of the costs incurred to construct, operate, and maintain a municipal wastewater treatment facility are directly related to processing, handling, treating, and recycling biosolids. Phosphorus concentrations in biosolids have increased, and may continue to increase as Wisconsin continues to limit the amount of phosphorus in effluents that is allowed to be discharged to surface waters. Removing the phosphorus in the effluent in wastewater usually transfers that phosphorus to the biosolids. It is, therefore, important that biosolids be managed in ways that keep biosolids on the land and minimize the potential for phosphorus runoff to surface waters. Regulations and permit conditions control the amount of biosolids that may be land-applied depending on the soil, slope, time of year, proximity to residences and wells, and other factors. Current application rates are limited by hydraulic rates and nitrogen agronomic needs of the crop to be grown, using 4-year soil testing results to establish baselines. While phosphorus application rates are not currently required by applicable biosolids code requirements, P-based nutrient management is encouraged and is being promoted as one alternative to more stringent effluent concentrations of phosphorus.

Many industrial facilities such as paper mills and food processors recycle their wastewater and biosolids to reuse nutrients and/or to improve soil conditions. Industrial biosolids, by-product solids, and industrial wastewaters are land applied, providing use of nutrient rich and/or carbon-based additives to improve the fertility of soils. Facilities conduct monitoring of wastewater streams and land apply only after meeting stringent requirements.

Wisconsin also regulates the septage pumped from approximately 700,000 septic systems and approximately 30,000 holding tanks. Approximately 80% of the septic systems currently serviced are maintained pursuant to required maintenance schedules, while the rest of these systems will have required maintenance schedules prior to October of 2019. Septage removed from septic or holding tanks must either be taken to a wastewater treatment plant for further treatment, or directly land applied following stringent treatment or barrier application methods. The same land application site criteria apply to septage as to biosolids. Wisconsin uses a licensing and certification system for 424 septage servicing businesses, 1,815 approved septage vehicles, and 1,078 septic servicing personnel. Servicing businesses are required to maintain service and disposal records. Personnel are required to obtain continuing education credits in order to maintain their certification.

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Pretreatment

Industrial facilities that discharge into a municipal treatment plant, rather than discharging directly to the waters of the State, are called indirect dischargers. The WDNR has been federally delegated the authority to administer a pretreatment program. Twenty-six municipal governments in the State are responsible for meeting state and federal requirements for implementation of pretreatment requirements. These "control authorities" regulate indirect dischargers that send waste to their systems from 526 users, through the issuance of permits and other local controls. Industrial discharges that are subject to the pretreatment requirements of the State, but are not within the systems of these municipal control authorities, must obtain permits directly from WDNR. There are a total of 142 facilities that receive permits directly from WDNR.

Compliance Maintenance Program

The Compliance Maintenance program is one of the successful cornerstones of the WDNR's WPDES program. The only program of its kind in the country, the web-based Compliance Maintenance Annual Report (eCMAR) is a self-evaluation report and grading system for Wisconsin's municipal wastewater treatment plants and sanitary sewer systems. Since its beginning in 1987, the compliance maintenance program has been extremely successful in achieving its purpose of "encouraging and, where necessary, requiring owners of publicly and privately owned domestic wastewater treatment works to take necessary actions to avoid water quality degradation, and prevent violations of WPDES permit effluent limits and conditions." Compliance maintenance promotes an owner's awareness and responsibility for wastewater conveyance and treatment needs, maximizes the useful life and performance of treatment works through improved operation and maintenance, and initiates formal planning, design and construction to prevent WPDES permit violations. Through a conventional and readily understandable grading system, the eCMAR brings awareness and understanding to governing officials about wastewater capital and management needs. Most importantly, it fosters communication among governing officials, operators, and the WDNR about the wastewater treatment plant and collection system. Governing bodies must review each year's CMAR and pass a resolution regarding it. Low grades require recommendations or action plans by the community to address the cause of any problems or deficiencies, and improve the wastewater treatment system.

Wastewater treatment plants complete various sections of the CMAR depending on their type of treatment system and their effluent limits. Satellite collection systems complete two sections of the CMAR: Sanitary Sewer Collection Systems and Financial Management. Performance indicators and trend graphs are automatically generated as part of this section of the CMAR to help operators evaluate the success of their Capacity, Management, Operation & Maintenance (CMOM), or Operation & Maintenance (O&M) program. The questions in the collection system sections of the annual report are to guide operators in developing a CMOM program, and in the operation & maintenance, and financial management of their collection system.

Enforcement and Compliance Assistance

The WDNR monitors dischargers to assure they are complying with the terms and conditions of their permits. This "compliance assurance process" takes several forms and includes:

- Compliance maintenance working with and assisting facilities to remain compliant;
- Compliance assessment conducting inspections of facilities and on-site assessments, reviews of discharge monitoring reports and other reports for compliance, and follow-up on self-reported violations; and
- Enforcement formal actions taken when a significant violation is identified, including notification of violation of
 a permit condition, formal enforcement conferences and/or contacts, and referral to the State Department of
 Justice.



An inspection checklist and detailed guidance were developed so that wastewater treatment plant inspections are done consistently and documented in the WDNR's database. A special computer program was developed and is being used that allows inspectors to write and package inspection reports including supporting documentation. Once completed, inspection reports are available online to municipal officials and operators.

Waterway Shorelands

The legislature has established four programs to protect our shoreland areas. The WDNR is legislatively mandated to oversee three of these programs, shoreland zoning, shoreland-wetland zoning, and St. Croix Scenic Riverway zoning, which are described below.

Shoreland Zoning

Shoreland zoning has the goal of protecting water quality, fish and wildlife habitat, recreation and natural beauty. To accomplish these goals, the statewide standards for shoreland zoning ordinances attempt to control the intensity and impacts of development around water and to maintain or establish a buffer between development and the waterway. A buffer is a vegetated strip of land that protects water from the impacts of nearby development, provides wildlife habitat and screens buildings when viewing from the water. If properly designed and maintained, a buffer can help protect shorelands and adjacent lakes and rivers from physical, chemical, hydrological and visual impacts. Development and land disturbing activities in shorelands directly affect the quality of our lakes and streams.



Stream with well-vegetated shoreline

The statewide shoreland zoning standards in Chapter NR 115, Wis. Admin. Code are implemented by counties and generally apply only to unincorporated land that is within 1,000 feet of the ordinary high water mark of a lake, pond, or flowage; or within 300 feet of the ordinary high water mark of a river or stream; or to the landward side of the floodplain, whichever distance is greater. Counties are required to adopt and administer shoreland zoning ordinances that address the minimum shoreland zoning standards in ch. NR 115, Wi. Admin. Code. Those shoreland zoning standards are minimum lot sizes; building setbacks; vegetation; filling, grading, lagooning, dredging, ditching, and excavating; impervious surfaces; height and nonconforming structures and uses.

Shoreland zoning when it was adopted in 1966 set minimum standards, and counties could be more protective or restrictive in regulating the above mentioned standards. Based on what scientists learned from their studies of lakes and rivers and waterfront property values in the 30 years after 1966 and based on their own local experience of whether shoreland zoning did or did not effectively protect their lakes, many counties chose more protective shoreland zoning standards for their local lakes and streams which had the greatest potential to be degraded by shoreland development. These were local county board decisions made to protect the lakes, rivers and property values in each county.

On July 12, 2015 Governor Walker signed 2015-17 Budget (Act 55) which modified the shoreland zoning provisions. Act 55 changes the authority counties have in the development of a shoreland ordinance that is more restrictive than the shoreland zoning standards contained in ch. NR 115, Wis. Admin. Code, and changed other shoreland zoning standards dealing with nonconforming structures. As a result, counties can no longer have more protective/restrictive shoreland zoning standards than the minimum statewide shoreland zoning standards.



Counties have until October 1, 2016 to have a certified ordinance that complies with 2010/2013 changes to ch. NR 115, Wis. Admin. Code, and the statutory changes in Act 55.

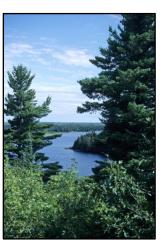
Shoreland-Wetland Zoning

Counties, cities, and villages are required to adopt shoreland-wetland zoning ordinances to regulate activities of wetlands within the shoreland zone. The shoreland zone is land located with 1,000 feet of the ordinary high water mark of a lake, pond, or flowage; or within 300 feet of the ordinary high water mark of a river or stream; or to the landward side of the floodplain, whichever distance is greater.

The minimum standards for shoreland-wetland zoning ordinances are found in <u>Chapter NR 115</u>, Wis. Admin. Code for counties and in <u>Chapter NR 117</u>, Wis. Admin. Code, for cities and villages. While the standards vary slightly between Chapters NR 115 and NR 117, the standards for shoreland-wetland zoning in Chapters NR 115 and 117 establish uses that may be permitted within a shoreland wetland and any uses that are not listed in zoning ordinance, are prohibited.

Lower Saint Croix National Scenic Riverway Zoning

Counties, cities, and villages are required to adopt ordinances that conform to the minimum standards found in Chapter NR 118, Wis. Admin. Code for lands within the Lower St. Croix National Scenic Riverway extends 52 miles from St. Croix Falls to the confluence of the Mississippi River at Prescott. Towns may, but are not required, to adopt an ordinance under Chapter NR 118, unless the town is located in a county which has not adopted a local zoning ordinance that applies to the town. The development standards established in Chapter NR 118 and administered by local governments, guide development away from sensitive areas such as shorelines, wetlands, steep slopes and unstable soils. At sites suitable for development, the regulations promote natural scenic beauty and protect water quality and property values. Development standards for lands in the Lower St. Croix Riverway apply at four points in the development process: land division, permitted uses, design and construction.



Saint Croix River

The Riverway is jointly managed by the National Park Service, Minnesota DNR and the WDNR in accordance with a Cooperative Management Plan that was signed by the three agencies. The standards in ch. NR 118, Wis. Admin. Code, reflect the principals and goals agreed to in the Cooperative Management Plan.

Waterways & Wetlands

Waterway Regulations and Protection

The job of water regulation programs is to protect public rights and interest in our waterways, and to allow projects that will not cause harm. Water regulation means the protection of your water rights. Consider the ways in which water regulations work for the citizens of Wisconsin:

• If you enjoy fishing or boating on Wisconsin's lakes and streams, water regulations work for you. Maintaining water levels and flows, protecting habitat, and keeping streams free of obstructions help provide top quality water recreation.



- If you farm, you might use Wisconsin's waterways for irrigation or drainage. Water regulations help make your water supply and drainage capacity more reliable while protecting the water rights of others.
- If you own waterfront property, water regulations work for you. Regulating erosion control projects and dam or pier construction are a few of the programs which help people avoid dangers and unnecessary costs to themselves or other water users.



Lake pier

Water regulations are needed because:

- Conflicts often arise between the many different users of Wisconsin's waterways.
- Water regulations are an alternative to going to court whenever we affect or are affected by our neighbors' water related activities.
- Clear lakes and free-flowing streams are necessary for healthy fish, wildlife and human populations.

Changing Protection for Changing Water Needs

Since 1787, when the Northwest Ordinance was adopted to govern the Wisconsin Territory, the State's navigable waterways have been considered public - for the use of all citizens. Article IX of Wisconsin's Constitution provides that navigable waters are held in trust, and "forever free."

When most Wisconsinites' nearest neighbors were wolves and deer, small dams or bridges on streams had little effect on other water users. As lumbering, milling, and farming drew settlers to Wisconsin, the variety of water uses and the number of users grew. By the 20th century, recreational hunting, fishing, boating, and swimming increased the variety of water needs.

Over the years, the courts and state legislature have developed laws and rules for protecting the rights of waterfront property owners, as well as public rights. This body of law is known as the Public Trust Doctrine. First the Railroad Commission, then the Public Service Commission, and finally the WDNR have been charged with the duty to protect the public trust in our navigable waters.

Today, the state helps protect your water rights as well as public safety by ensuring adequate planning and design of projects that may affect public waters. This is done through permit and plan approval requirements for individual projects. Wisconsin Statutes, Chapter 30, "Navigable Waters, Harbors and Navigation" and Chapter 31, "Regulation of Dams and Bridges in Navigable Waters" establish the permit programs.

Sharing Responsibility for Water Protection

The WDNR has Water Management Specialists in Service Centers around the state, whose job is to help people understand their water rights, and to administer and enforce the laws which protect them. The Bureau of Watershed Management in Madison provides policy development and technical support for the field staff.

The U.S. Army Corps of Engineers (USACE) may require permits for dams, dikes, and other structures in federal navigable waters and for the discharge of dredged or fill material into waters and wetlands. The U.S. Coast Guard regulates the construction of bridges and causeways over federal navigable waters.

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Local governments use floodplain and shoreland zoning to control development along lake shores and streams. Local zoning officials administer permit programs for buildings, land disturbance and other activities in shoreland and floodplain areas.

We are all responsible for water rights protection. You can protect water rights by following proper procedures and obtaining needed permits for activities in public waters. You can also report activities which may be in violation of laws so that damages can be avoided or corrected, and voice your opinions to state and local governments to help keep water rights protection up to date.

Permits or Approvals for Shoreland Alterations

Many activities affecting navigable waters require permits or approvals from WDNR. Most of the physical alterations to navigable waters which require permits are listed in Table 2. Information and permit application materials are available online.

Table 2. Types of waterway alterations that require permits

Construction	Recreation	Shoreline &	Water Levels &
Dredging Dry Hydrants Cranberry Projects Grading Intake/Outfall Structures Miscellaneous Structures Nonmetallic Mining Pilings Ponds	Beach Maintenance Boathouse Repair Boat Ramp (landings) Boat Shelter Buoys Pea Gravel Blanket Piers, Docks, Wharves Swimming Rafts Water Ski Platforms	 Habitat Aquatic Plant Control Beaver Damage Cranberry Projects Fish or Wildlife Habitat Lake Shore Erosion Control Streambank Erosion Control Stream Realignment Wetlands 	Crossings • Bridges • Culverts • Dams • Fords • Diversions & Irrigation • Lake Levels • Temporary In-Stream Crossing • Utility Waterway Crossing

Wetland regulatory programs

With the historic loss of wetlands in the state, people who work in wetlands recognize the increasing importance of protecting them. WDNR's Waterway and Wetland Program provides more information about Wisconsin laws that protect wetlands and other water resources.

State wetland permits

Anyone planning a project that proposes wetland impacts will need a permit from the WDNR approving the proposed wetland impact before proceeding with the project. The WDNR has both general permits and individual permits available. Recent changes allow the WDNR to issue general permits for new categories of activities. General permits are currently available for wetland restoration activities and wetland discharges up to 10,000 square feet as a result of industrial, commercial or residential development. The WDNR permits website and application materials will be updated as other general permits are issued.

General permits

General permits are currently available for wetland restoration activities, and wetland discharges up to 10,000 square feet as a result of industrial, commercial or residential development. General Permits are granted for projects that meet all of the design, construction, and location specifications set by the statewide general permit. To qualify for a general permit,

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all required application items need to be submitted elements. WDNR reviews general permit applications within 30 days and notifies an applicant if any required items are missing. Once all required items have been submitted, WDNR checks to see that the plans and location match the general permit specifications, and if so grants the permit in 30 days. In special circumstances where the review shows that the general permit conditions are not sufficient to ensure the wetland discharge will cause only minimal adverse environmental effects, WDNR may inform an applicant that an individual permit is needed to allow detailed review.

Individual permits

For wetland disturbance activities where no exemption or general permit is available an individual permit is required. Because these projects are not pre–approved designs, a more detailed application is required. As part of the individual permit process applicants are **required** to have a pre–application meeting with the WDNR to discuss the purpose and scope of the proposed project and the preliminary scope of alternatives the applicant must consider that will avoid and minimize wetland impacts. Compensatory wetland mitigation is **required** for all individual permits. Individual permits require a 30–day comment period of which people are notified by the WDNR website, a newspaper notice, and mailing to interested parties. During the comment period an informational hearing may be requested. WDNR staff conducts the informational hearing to gather observations and facts from others to consider in addition to its own data in making a decision. A permit is granted for projects when the WDNR concludes from this process that no significant adverse impacts to wetlands will occur. WDNR staff routinely advise applicants on project modifications to reduce impacts and gain approval. Permit decisions are subject to appeal for review by an administrative law judge within 30–days of the decision.

Wetland rules

- Section 281.36. Wis. Stats. establishes the state authority for granting wetland permits.
- NR 103 establishes the water quality standards for wetlands.
- NR 299 explains the procedures for certifying projects that impact wetlands.
- NR 300 describes the time limits and fees for waterway and wetland permits.
- NR 350 describes the requirements for the wetland compensatory mitigation program.
- NR 353 establishes a streamlined process to review regulated activities associated with the restoration of former wetlands, the enhancement of degraded wetlands, and the maintenance or management of existing wetlands.

Wetland Functional Values

Until recently wetlands were often viewed as wastelands, useful only when drained or filled. Now, we know that wetlands benefit people and the natural world in remarkable ways. They provide critical habitat for wildlife, water storage to prevent flooding and protect water quality, and recreational opportunities for wildlife watchers, anglers, hunters, and boaters. These are known as "wetland functional values." Different wetlands perform different functions.

Every wetland is unique. One wetland on the north edge of town may perform different functions than another on the south edge – even though they may appear at first glance to be very similar. A bog in northern Wisconsin may be valued for different reasons than a bog in southeastern Wisconsin. Wetland functional values are determined by a variety of different parameters including physical, chemical and biological components.

Floral diversity

Wetlands can support an abundance and variety of plants, ranging from duckweed and orchids to black ash. These plants contribute to the earth's biodiversity and provide food and shelter for many animal species at critical times during their life cycles. Many of the rare and endangered plant species in Wisconsin are found in wetlands.



The importance of floral diversity in a particular wetland is usually related to two factors. First, the more valuable wetlands usually support a greater variety of native plants (high diversity), than sites with little variety or large numbers of non–native species. Second, wetlands communities that are regionally scarce are considered particularly valuable.

Fish and wildlife habitat

Many animals spend their whole lives in wetlands; for others, wetlands are critical habitat for feeding, breeding, resting, nesting, escape cover, or travel corridors. Wisconsin wetlands are spawning grounds for northern pike, nurseries for fish and ducklings, critical habitat for shorebirds and songbirds, and lifelong habitat for some frogs and turtles. Wetlands also provide essential habitat for smaller aquatic organisms in the food web, including crustaceans, mollusks, insects, and plankton.

Some of the most valuable wetlands for fish and wildlife provide diverse plant cover and open water within large, undeveloped tracts of land. This function may be considered particularly important if the habitat is regionally scarce, such as the last remaining wetland in an urban setting.

Flood protection

Due to dense vegetation and location within the landscape, wetlands are important for retaining stormwater from rain and melting snow rushing toward rivers and lakes. Wetlands slow stormwater runoff and can provide storage areas for floods, thus minimizing harm to downstream areas.

Preservation of wetlands can prevent needless expenses for flood and stormwater control projects such as dikes, levees, concrete—lined channels, and detention basins.

Wetlands located in the mid or lower reaches of a watershed contribute most substantially to flood control since they lie in the path of more water than their upstream counterparts. When several wetland basins perform this function within a watershed, the effect may be a staggered, moderated discharge, reducing flood peaks.



Flooded properties

Flood protection may be especially important in cities,

where pavement contributes to runoff, and in areas with steep slopes or other land features which tend to increase stormwater amounts and velocity. These functional values can provide economic benefits to downstream property owners and taxpayers.

Water quality protection

Wetland plants and soils have the capacity to store and filter pollutants ranging from pesticides to animal wastes. Calm wetland waters, with their flat surface and flow characteristics, allow particles of toxins and nutrients to settle out of the water column. Plants take up certain nutrients from the water. Other substances can be stored or transformed to a less toxic state within wetlands. As a result, our lakes, rivers, and streams are cleaner and our drinking water is safer.



Larger wetlands and those which contain dense vegetation are most effective in protecting water quality. If surrounding land uses contribute to soil runoff or introduce manure or other pollutants into a watershed, the value of this function may be especially high.

Wetlands that filter or store sediments or nutrients for extended periods may undergo fundamental changes. Sediments will eventually fill in wetlands and nutrients will eventually modify the vegetation. Such changes may result in the loss of this function over time.

Shoreline protection

Shoreland wetlands act as buffers between land and water. They protect against erosion by absorbing the force of waves and currents and by anchoring sediments. Roots of wetland plants bind lakeshores and streambanks, providing further protection. Benefits include the protection of habitat and structures, as well as land which might otherwise be lost to erosion. This function is especially important in waterways where boat traffic, water current and/or wind cause substantial water movement that would otherwise damage the shore.

Trout streams and other high quality waterways often depend on shoreland wetlands to protect their characteristic clear, cold waters. Without this wetland buffer, the shoreline becomes undercut and collapses. When this happens, streams often become wider, shallower and turbid. Water temperatures rise and habitat quality deteriorates.

A wetland that reduces erosion can also reduce sedimentation to nearby waterways. If the waterway is a navigational channel the reduction in sedimentation can help reduce the frequency of dredging to maintain the channel.

Groundwater recharge and discharge

Groundwater recharge is the process by which water moves into the groundwater system. Although recharge usually occurs at higher elevations, some wetlands can provide a valuable service of replenishing groundwater supplies. The filtering capacity of wetland plants and substrates may also help protect groundwater quality.

Groundwater discharge is the process by which groundwater is discharged to the surface. Groundwater discharge is a more common wetland function and can be important for stabilizing stream flows, especially during dry months. Groundwater discharge through wetlands can enhance the aquatic life communities in downstream areas. It also can contribute toward high quality water in lakes, rivers, and streams. In some cases, groundwater discharge sites are obvious, through visible springs or by the presence of certain plant species.

Aesthetics, recreation, education and science

Do you like to canoe or cross-country ski? Watch birds or listen to bullfrogs? Wetlands are some of our favorite places to study, hike, or just drive by. They provide peaceful open spaces in landscapes that are under development pressure and have rich potential for hunters and anglers, scientists and students.

Wetlands provide exceptional educational and scientific research opportunities because of their unique combination of terrestrial and aquatic life and physical and chemical processes. Many species of endangered and threatened plants and animals are found in wetlands.

Wetlands located within or near urban settings and those frequently visited by the public are especially valuable for the social and educational opportunities they offer. Open water, diverse vegetation, and lack of pollution also contribute to the value of specific wetlands for recreational and educational purposes and general quality of life.



B3. Cost/Benefit Analysis

The CWA requires states to report to Congress on the social costs and benefits of actions necessary to achieve the objectives of the CWA. WDNR believes that while cost benefit assessments can inform the decision making process, this type of analysis should not override the goals of environmental or ecosystem health as a single dominant decision point.

The complex and multi-jurisdictional nature of environmental protection and water quality regulation and restoration precludes a precise analysis of fiscal outlays in the context of this biannual report. In addition, rapid change in our understanding of the complexity of environmental systems, as well as evolving knowledge of precise endpoints for environmental damage exerted by a single contaminant, further complicate our ability to assess potential benefits of specific actions or regulations. Thus, this section of the report assessment is limited to a brief discussion of some of the major financial outlays related to water quality, including the Environmental Improvement Fund (with special emphasis on the Clean Water Fund Program and the Safe Drinking Water Loan Program), the State's Stewardship Program (Land Acquisitions and Easements) and the State's Runoff Management Program.

Environmental Improvement Fund

Wisconsin's Environmental Improvement Fund (EIF) consists of two separate financial assistance programs: the Clean Water Fund Program for wastewater treatment and urban runoff projects, and the Safe Drinking Water Loan Program for drinking water projects. The EIF directs limited financial resources to projects with the highest environmental priority score. The programs are administered jointly by WDNR and the Department of Administration.

The EIF is an excellent tool for Wisconsin in meeting its responsibilities under both the CWA and the Safe Drinking Water Act (SDWA). EIF programs provide financial assistance to local units of government in the form of subsidized loans and, in some cases, grants, principal forgiveness, or interest subsidy payments.

Clean Water Fund Program

The Clean Water Fund Program (CWFP) is the larger of Wisconsin's two revolving loan programs. The CWFP uses funding from the capitalization grant authorized by the CWA, repayments from previous loans, and supplemental funding from state borrowing, to help achieve state water quality goals and the objectives under the CWA.

Repayments of principal and interest from CWFP loans will make up the primary source of funding for future CWFP projects. The CWFP provides financial assistance to municipalities for planning, design, and construction of surface water and groundwater pollution abatement facilities to process municipalities' wastewater and urban runoff. Projects typically are constructed to maintain compliance with existing permit limits, achieve compliance with new limits, or provide wastewater treatment in areas previously not served. Financial assistance is administered by the CWFP through: 1) a federal leveraged program, 2) a state direct loan and hardship program, and 3) an interest rate subsidy program for small projects. The State programs are a commitment made by the Wisconsin Legislature to exceed the federal funding for surface water pollution abatement.

From 1991 through June 30, 2014, the CWFP entered into 870 financial assistance agreements with Wisconsin municipalities totaling \$4.0 billion—\$3.8 billion in loans and \$234.9 million in grants and principal forgiveness. In



addition, the CWFP has executed 86 agreements with municipalities to subsidize interest payments on wastewater treatment project loans made to the municipalities by a state program other than the CWFP. The amount of financial assistance provided for individual CWFP projects ranges from \$22,000 to over \$138 million.

The CWFP provides financial assistance for the following types of projects:

- Compliance maintenance projects These wastewater projects are necessary to prevent a municipality from exceeding effluent limitations contained in their WPDES permit.
- New or changed limits projects These wastewater projects are necessary for a municipality to meet effluent limitations contained in its WPDES permit which were newly established or modified after May 17, 1988.
- Unsewered projects These wastewater projects provide treatment facilities and sewers for unsewered or partially unsewered municipalities.
- Urban runoff projects These stormwater/nonpoint source projects are necessary to meet WPDES permit
 requirements, meet non-agricultural performance standards, or control urban stormwater problems under WDNRapproved plans.

The CWFP may provide financial assistance to municipalities in the following ways: provide loans at or below market interest rates, provide grants under a state hardship assistance program, purchase or refinance the debt obligations of municipalities incurred for CWFP-eligible water pollution control projects, and make subsidy payments to municipalities to reduce interest on loans made by the Board of Commissioners of Public Lands for CWFP-eligible projects. For the past several years, the CWFP has also provided principal forgiveness to some municipalities to meet federal requirements regarding additional subsidization.

Each CWFP project is prioritized using a system established by Wisconsin Administrative Code. The criteria used to evaluate projects are based on human health, regionalization, water quality impacts (based on a facility's discharge permit limit), and the population served by the project. The priority system assigns a score to every project based on these criteria. Projects are ranked numerically, so in the event funding is not available for all requested projects in a given year, awards will be made by the order in which they are ranked. Funding each biennium has been sufficient to fund all eligible CWFP projects, except for those projects requested under the financial hardship assistance program.

Safe Drinking Water Loan Program

The Safe Drinking Water Loan Program (SDWLP) was enacted in 1997 to provide financial assistance to municipalities for the planning, design, construction, or modification of public water systems. The SDWLP uses funding from the capitalization grant authorized by the SDWA and repayments from previous loans.

From the beginning of the program in 1998 through June 30, 2014, the SDWLP entered into 246 financial assistance agreements with Wisconsin municipalities totaling \$488.8 million—\$431.6 million in loans and \$57.2 million in principal forgiveness. To be eligible for SDWLP funding, a project must have one of the following purposes:

 Address SDWA health standards that have been exceeded, or prevent future violations of health standards and regulations. This includes projects to maintain compliance with existing regulations for contaminants with chronic health effects.



Replace infrastructure, if necessary, to maintain compliance with or further the public health protection goals of the SDWA. This includes projects to rehabilitate or develop sources, install

or upgrade treatment facilities, install or upgrade storage facilities, or install

or replace transmission and distribution pipes.

- Consolidate existing community water systems that have technical, financial, or managerial difficulties. These projects are limited in scope to the service area of the systems being consolidated.
- Purchase a portion of another public water system's capacity, if it is the most cost-effective solution.
- Restructure a public water system that is in noncompliance with the SDWA requirements or lacks the technical, managerial, and financial capability to maintain the system if the assistance will bring the system back into compliance.
- Create a new community water system or expand an existing community water system that, upon completion, will address existing public health problems with serious risks, caused by unsafe drinking water provided by individual wells or surface water sources. These projects are limited in scope to the specific geographic area affected by contamination.



Public drinking fountain

The SDWLP may provide financial assistance to municipalities as loans at or below market interest rates, or may purchase or refinance the debt obligations of

municipalities incurred for SDWLP-eligible projects. In recent years, the SDWLP has also provided principal forgiveness to some municipalities to meet federal appropriation requirements.

Each SDWLP project is prioritized using a system established by Wisconsin Administrative Code. The criteria used to select projects include: risk to human health of acute and chronic contaminants, financial need based on population and median household income of the municipality served by the project, secondary contaminant violations or system compliance with regulations, and system capacity.

The priority system assigns a score to every project based on the criteria. Projects are ranked numerically, so in the event funding is not available for all project applicants in a given year, awards will be made by the order in which the projects are ranked.

Land Acquisitions and Easements

The Warren Knowles-Gaylord Nelson Stewardship Program provides funding for a variety of fee simple and easement acquisition programs that protect natural resources and increase public recreational opportunities. Land acquisition is the tool for effective conservation of green space for recreation and provides opportunities for the protection of species and habitats. In Wisconsin, land acquisition leads to creation and expansion of wildlife management areas, fishery areas, natural areas, state parks, state forests, and habitat restoration areas. Where possible, the WDNR looks for opportunities to stretch state Stewardship Program funds using federal programs such as the Land and Water Conservation fund (LAWCON), United States Fish and Wildlife Service (USFWS) grants, and USDA Natural Resources Conservation Services (NRCS) Farm Land Protection Grants. Additionally, the WDNR accepts gifts of land from landowners and various non-governmental organizations.



Annually funding for the Knowles Nelson Stewardship Program is \$54.5 million dollars in fiscal year 2015-16 and not more than \$50 million dollars in each year from 2016-17 through 2019-20 (actual bonding allotment-Legislative Fiscal Bureau Informational Paper 62). The funding can be used for both land acquisition and property development. Examples of projects funded by the Stewardship program in the past several years include acquisition of the Willow Flowage Scenic Water area, the Rainbow Flowage, the Peshtigo River State Forest, Capitol Springs State Park, the Lower Chippewa River State Natural Area, Brule-St. Croix Legacy Forest and Paradise Valley Wildlife Area. In addition, substantial expansions to several water-based properties have occurred, including the Turtle Flambeau Scenic Waters Area and the Lower Wisconsin State Riverway. Additionally, WDNR looks for opportunities to partner with other organizations or to cost-share project costs with federal dollars available for acquisition of lands protecting wildlife, fishery, or water quality.

Runoff Management Programs

Implementation and enforcement of the runoff management Performance Standards contained in ch. NR 151, Wis. Adm. Code, require a significant expenditure to realize significant reductions in polluted runoff. WDNR's Runoff Management Program has numerous grant opportunities for communities to implement runoff management practices. Information regarding costs and benefits of these programs is provided in the Runoff Management Section in this report.

Expenditures for polluted runoff that are described in that chapter include:

- Targeted Runoff Management (TRM) Grant Program
- Urban Nonpoint Source and Stormwater Management (UNPS) Grant Program
- Notice of Discharge (NOD) Grant Program

B4. Special State Concerns & Recommendations

Great Lakes

Wisconsin DNR's Office of the Great Lakes provides leadership for addressing important Great Lakes issues and facilitates project development for the restoration and protection of the Great Lakes in Wisconsin, as well as supports the efforts of others to accomplish projects. Effective protection and restoration of these complex, multi-jurisdictional systems requires collaboration among a wide variety of partners and stakeholders as well as cross-program project collaboration within the agency. For a full review of the responsibilities and objectives of the WDNR's Office of the Great Lakes see our Wisconsin's Great Lakes Strategy available at dnr.wi.gov search "Great Lakes Strategy."



Great Lake shoreline. Photo by Chris Gaziano.

Lakewide Management

The development of Lakewide Action and Management Plans (LAMPs) is required under Annex 2 of the Great Lakes Water Quality Agreement Protocol of 2012. The LAMP provides the framework for prioritizing issues, defining lakewide objectives, and identifying the need for action for each of the five Great Lakes. The LAMP is comprehensive and Wisconsin's Great Lakes restoration and protection projects contribute to meeting LAMP goals for Lake Michigan and Lake Superior.



Lake Superior Management

Wisconsin is included in a partnership with the U.S. and Canada to share responsibility for Lake Superior management. The Lake Superior Partnership is currently developing a five-year LAMP which will lay out the binational strategy for taking action to restore and protect the Lake Superior ecosystem. The plan will support the development and implementation of lake-specific strategies and initiatives including biodiversity, cooperative science and monitoring, and nutrient management strategies. This plan is being prepared in accordance with Annex 2 of the Great Lakes Water Quality Agreement. Lake Superior will be the first of the Great Lakes to complete the 5-year plan.

Lake Michigan Management

Wisconsin achievements continue to contribute to the Lake Michigan LAMP goals. A large-scale habitat restoration project is being completed on Ulao and Kaul creeks within the Milwaukee River Watershed. The project will improve aquatic habitat for fish in the Milwaukee River Watershed and Lake Michigan Basin by reestablishing meanders in over 5,760 feet of Ulao Creek and reconnecting nearly 330 acres of wetlands and floodplains as well as constructing two wetland/pond areas. In 2015, the Door Peninsula Coastal Wetlands complex, an 11,443-acre site, was designated a Wetland of International Importance under the Ramsar Convention, an international treaty for protection of exemplary wetland systems around the world. This designation will protect some of the most biologically diverse habitat in the region. (Ramsar Convention: http://www.ramsar.org/)

Areas of Concern

Forty-three Areas of Concern (AOCs) were designated by the U.S. and Canada under the Great Lakes Water Quality Agreement in 1987. The Great Lakes Water Quality Agreement Protocol of 2012 incorporates AOCs in Annex 1, which defines them as "geographic area[s] designated by the Parties where significant impairment of beneficial uses has occurred as a result of human activities at the local level." Wisconsin has five AOCs: St. Louis River (shared with Minnesota), Lower Menominee River (shared with Michigan), Lower Green Bay and Fox River, Sheboygan River, and Milwaukee Estuary. Each AOC includes significant sediment remediation activities, which are summarized in the Sediment Management section of this report.

St. Louis River AOC

A milestone was reached in 2014 when the "Degradation of Aesthetics" beneficial use impairment (BUI) was removed from the St. Louis River, the first BUI to be removed for the AOC. A variety of projects are currently being implemented to meet BUI removal targets. A two-year semi-aquatic mammal survey is underway to assess the status of wildlife populations in the St. Louis River AOC. The survey is being conducted using wildlife cameras within the AOC and two reference sites, as well as aerial surveys. An AOC-wide beach monitoring project began in 2015 at six beaches to determine if pathogen sources are of human origin. This project will provide data to determine if any additional beach restoration actions are necessary and for BUI removal. Projects are underway in the Nemadji River watershed to assess the status of the excessive loading of sediment and nutrients impairment in the watershed. This includes fish, macroinvertebrate, and water quality monitoring in the lower Nemadji; a sediment loading assessment by United States Geological Survey (USGS); and modelling of historic and modern sediment loading scenarios. In addition, Douglas County has initiated outreach and implementation planning efforts in the Nemadji Basin. The St. Louis River AOC sediment database is being incorporated into the NOAA Great Lakes Data Integration Visualization Exploration and Reporting (DIVER) system. This data system will house multiple data types that are being collected for BUI removal targets and provide a web-based data viewer and query tool.

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Lower Menominee River AOC

With the completion of all known contaminated sediment site cleanups in 2015, the Lower Menominee River AOC is now focusing on habitat restoration projects. Through a partnership between the WDNR and the City of Marinette, habitat restoration at Menekaunee Harbor began in August of 2014 and is expected to be completed in spring 2016, followed by three years of invasive plant monitoring and control. In 2015, the EPA approved over \$600,000 in funds for restoration of the South Channel area of the Lower Menominee River, just upstream of Menekaunee Harbor, by implementing a design provided by the USFWS. In 2014, the U.S. Army Corps of Engineers (USACE) funded a three-year project to improve habitat on four islands in the river for island-nesting birds. State, federal, local, and private partners are also working to move lake sturgeon around two hydroelectric dams to their ancient spawning territory in the Menominee River. In 2015, the first successful passage of Lake Sturgeon through a newly constructed fish elevator was completed. All four of these habitat projects were identified as priorities for restoration in the 2013 Fish and Wildlife Population and Habitat Management and Restoration Plan Update.

Lower Green Bay and Fox River AOC

Great Lakes Restoration Initiative (GLRI) funding was secured for 2015-2016 to assess fish and wildlife habitat and populations in the AOC. The project is assessing baseline fish and wildlife habitat conditions and documenting potential habitat restoration opportunities in the Lower Green Bay and Fox River Area of Concern and its immediately contributing watershed. Results from this assessment will be used to identify a list of necessary projects to address habitat and population deficiencies. With the completion of the Cat Island Chain wave barrier construction project in 2013, plans are also underway to determine the best long term management of this unique opportunity for habitat restoration, as the islands will continue to be filled in by beneficial reuse of clean dredge material from the maintenance of the Green Bay Harbor over the next 20 to 30 years.

Sheboygan River AOC

In 2015, the first two beneficial use impairments were removed from the Sheboygan River AOC following public input and agreement from the EPA. The "Restrictions on Dredging Activities" removal represented more than 25 years of identifying, planning, and completing four major sediment projects which removed harmful polychlorinated biphenyls (PCBs), polycyclic aromatic hydrocarbons (PAHs), heavy metals and other contaminants. In total, approximately 400,000 cubic yards of contaminated sediments were removed from the river from 2011-2013. The "Eutrophication or Undesirable Algae" BUI removal was the result of dramatic water quality improvements in the past several decades as a result of numerous efforts, including wastewater treatment plant upgrades, agricultural practices to reduce soil erosion and nonpoint pollution runoff, storm water permits to control urban runoff, and reduced phosphorus content in detergents and lawn applications. The focus is now on improving habitat in the area. Through a strong partnership with the City of Sheboygan, over \$5 million was invested in habitat restoration design and implementation projects within the Sheboygan River AOC. The projects, which included shoreline, wetland, and island restorations, were substantially completed in 2012. Maintenance will be on-going through 2016, to ensure the successful establishment of native plantings.

Milwaukee Estuary AOC

The Milwaukee Estuary AOC received nearly \$1.25 million from the EPA in 2013, to conduct assessments related to benthos and plankton, recreational restrictions, and fish and wildlife populations. Through partnerships with the City of Milwaukee, UW-Milwaukee, Milwaukee County Parks, and other organizations, several projects are underway or have been completed. Wildlife and fish population assessments are entering their third and final year. A nearly \$500,000 project to identify and quantify sources of bacterial sanitary sewage contamination within the estuary is also underway. Assessments of benthos and plankton were completed in 2015, as well as the restoration of grassland habitat at Little



Menominee Parkway, 32.5 acres along the Little Menominee River which provide critical habitat for breeding and migratory birds and wildlife.

Great Lakes Special Interests

Coastal Wetlands

Wisconsin was one of three states invited by the EPA to submit project proposals for coastal wetland restoration and protection using federal GLRI funds. Wisconsin has been working with program staff and local partners to identify projects that will help reach the GLRI goal of 60,000 acres of coastal wetland protected or restored by 2019. Successful project proposals put forth in 2015, have secured over \$1.1 million dollars in GLRI funds, with nearly \$1 million in additional funds requested so far for projects in 2016. The diverse set of projects include land acquisition for coastal wetland protection along Lake Superior and Lake Michigan shorelines, restoration design plans for future work to hydrologically reconnect and improve 60 acres of wetland habitat in Bayfield County, invasive species control in various locations and wild rice restoration in the St. Louis River.

National Marine Sanctuaries

In December of 2014, Wisconsin submitted a nomination for an 875 square mile area off Lake Michigan's Wisconsin coast to be added to NOAA's inventory of National Marine Sanctuaries. This significant designation would be the first time in nearly 20 years since such a sanctuary was designated and would be one of the first in the Great Lakes. The proposed sanctuary would stretch from Two Rivers, WI on the north to Port Washington, WI on the south and protect a collection of 38 known shipwrecks including several with national significance. The designation has strong community support and a management team has been assembled to develop more detailed plans for protecting the area. The recognition of Great Lakes waters as potential sanctuaries has also spurred strong interest and public support for a similar designation along the Wisconsin coast of Lake Superior, based on its ecological and cultural significance. Planning is still in the early stages, but a core group has been formed and is currently in the process of putting together an application to be considered in the near future.

Ballast Water

Wisconsin has required a ballast water discharge permit for commercial cargo vessels operating in its waters since 2010. This permit program was developed to address aquatic invasive species (AIS) introductions into the Great Lakes, the spread of AIS within the Great Lakes, seawater discharges, and any potential biocides that may be used to treat ballast water discharges.

A new version of the permit was reissued in May, 2015. It retained much of the earlier language, but it also requires the installation of ballast water treatment systems on both ocean-going vessels (first dry dock after 2016) and inter-lake vessels (first dry dock after 2018) if technology is available and compatible with that ship. The WDNR conveyed coverage under the new permit to over 80 ship-owning companies



Ship leaving the Duluth-Superior harbor. Photo by Ashley Beranek.

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covering a total of 287 vessels during fiscal year 2015.

WDNR field staff continue to conduct an average of 50 on-board ship inspections each year in support of the program. After an inspection, each vessel receives a follow-up letter, which often includes recommendations to improve ballast water management plans or best management practices relevant to AIS issues. At the end of the shipping season, inspectors review arrival logs and send Notices of Noncompliance to all companies that operated without permits to assist bringing them into compliance.

The WDNR continues to participate in the Ballast Water Collaborative with the U.S. Saint Lawrence Seaway Development Corporation, International Joint Commission, the shipping industry, and other state and federal regulators on regional ballast water and invasive species issues. As has been the case throughout, WDNR staff will remain available to assist with local and regional research efforts aimed at characterizing AIS in ballast water, identifying AIS release risks, and developing ballast water treatment technologies such as those in progress at the Great Ships Initiative in Superior, WI. The WDNR also continues to support peer projects related to ship mediated invasive species.

The Wisconsin State Legislature recently showed its support for the Wisconsin Ballast Water Program by removing a state statute sunset clause which would have eliminated permit fees for ships discharging ballast water into Wisconsin's surface waters. This action ensures that Wisconsin will be able to continue implementing this important program into the foreseeable future.

Monitoring and Special Projects

Data is needed to inform decision making for Great Lakes policy development and program implementation. The Office of the Great Lakes works closely with many other agency programs in areas of special concern to the Great Lakes including aquatic invasive species, fisheries management, and nutrient loading and helps to oversee projects in support of Great Lakes management. See pertinent sections of this report for specific information about Wisconsin's efforts in these areas.

WDNR routinely supports projects in areas of special interest to Great Lakes protection and restoration. In 2014, WDNR partnered with UW-Green Bay on a multi-year study of lake whitefish in the Menominee River in Green Bay. Habitat degradation from pollution and logging destroyed the population in the late 1800s, but there is evidence of substantial spawning in the area in recent years. The Menominee River is likely contributing significantly to Lake Michigan's whitefish population and impacts both commercial and sport fishing industries. The study will provide key information in proper management and protection of lake whitefish populations for restoration efforts in other rivers where whitefish populations existed historically.

Collaboration on Great Lakes Policies and Priorities

WDNR provides leadership for addressing important Great Lakes issues. Wisconsin and its partners integrate and implement priorities of the LAMP, Great Lakes Regional Collaboration, internal program priorities, and the priorities of internal and external Wisconsin Great Lakes partners. Wisconsin brings its voice to regional Great Lakes discussions by participating in Great Lakes Water Quality Agreement (GLWQA) subcommittees as assigned and ensuring participation and engagement in regional activities related to the International Joint Commission, Great Lakes Commission, Council of Great Lakes Governors, the Great Lakes Protection Fund, and other Great Lakes forums to ensure Wisconsin's perspective is considered in regional policy-making. The WDNR Office of the Great Lakes, also, manages Wisconsin's allocation of the Great Lakes Protection Fund, the Great Lakes Harbors and Bays funds, EPA grants for the Great Lakes, and other Great Lakes funds.



Beaches

The Beach program oversees beach monitoring, manages BEACH Act funds from the EPA, and collaborates with coastal communities to carry out beach monitoring and restoration projects. Beaches are a critical resource for Wisconsin tourism and bring vitality to the communities they are located in. The Beach program works to ensure continued safe use of public beaches while contending with issues including aging sewerage infrastructures, agricultural impacts, fluctuating water levels, and increasingly limited budgets.

Communicating Health Hazards to the Public

The EPA's national BEACH Act applies to coastal beaches which include the Great Lakes freshwater beaches. Approximately 180



Beach recreation

identified beaches or roughly 50 miles of Wisconsin coastline are accessible to the public for recreational access. For the 2015 season, a \$217,000 BEACH Act grant supported monitoring at 101 beaches, a beach health website for reporting data and notifying the public of swimming advisories, and limited operational costs. Inland beaches along Wisconsin's thousands of lakes and rivers are not covered by the BEACH Act grant so monitoring for fecal bacteria and public health notifications are entirely voluntary.

As a result of feedback on the effectiveness of beach signage, the program redesigned its signs in 2015, to incorporate multi-lingual messages about the advisory levels and include a link to the beach health website that can be accessed via smartphone. The beach health website lists up to date beach advisory and water quality data for monitored beaches and includes an interactive map.

Monitoring Strategy Improvements

The Beach program has invested in cost-effective and time-saving technologies to provide more accurate and immediate public notification on beach health hazards. Wisconsin continues to partner with USGS and Wisconsin Sea Grant to create automated systems for retrieving National Weather Service and National Oceanic and Atmospheric Administration (NOAA) data into Virtual Beach, an application used to predict water quality exceedances at beaches. To date approximately 20 Wisconsin beaches have operational Nowcasts. In 2015, funding was provided to help ensure that the streamlined data retrieval of Nowcast modeling is sustainable at the local level, including the development of online training, supporting materials, and a Virtual Beach Users Group. The same 'big data' systems and modeling tools that are routinely used for Nowcasting are also being applied to the longer-range problem of bacterial source identification and remediation of problem beaches. Analytical models have been used to inform remediation planning at two beaches, with plans to expand this practice to a possible 10 additional sites in 2016-2017.

Beach Restoration Projects

Two recent Great Lakes Restoration Initiative grants focused on identifying sources of fecal pollution and developing redesign plans to improve water quality at beaches that are listed on the impaired waters list in both the St. Louis River and Milwaukee Estuary Areas of Concern. Nearly \$600,000 has been allocated in these areas to determine if bacterial contaminants, which are currently causing impairments at these beaches are of human origin and, if necessary, identify restoration options. These multi-year monitoring projects using DNA analysis will continue into 2016. By having redesign plans in place, both large and small communities are able to secure funding to begin restoring their beaches and give an economic boost to the surrounding area. A similar project is underway near a somewhat rural state park, where identifying

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the specific locations where bacteria is being discharged into drainage ditches is a necessary first step in addressing them. In Green Bay, there is strong public interest in re-opening Bay Beach, which has been closed since the 1940's because of poor water quality.

Sediment Management

WDNR's Sediment Management Unit has statewide responsibilities for developing and implementing strategies leading to contaminated sediment cleanup. Sediment Management Unit staff also assess non-contaminated dredge sites for sediment monitoring and analysis under Chapter NR 347, Wisconsin Administrative Code.

Great Lakes Area of Concern Sediment Cleanups

Fox River Cleanup (Lower Green Bay and Fox River AOC): Summer of 2016 will mark the 12th consecutive year for remedial actions at the Fox River PCB site. During the 2015 field season, remediation of contaminated sediments took place in Operational Unit 4 (OU-4), the Lower Fox River beginning at the North Western Railroad Bridge and continuing downstream to the junction with the East River. High-volume dredging and capping took place simultaneously throughout the 1.75 river miles comprising the above described work area, as well as finishing 2014 cover/capping work upstream of Fort James. A total of 514,750 cubic yards of sediment were dredged during this season. Hydrocylonic separators removed 65,848 tons of sand from dredge spoils and this sand, having an average PCB concentration less than 0.24 ppm, was beneficially incorporated into the reconstruction of Hwy. 41 in Green Bay. The remaining spoils were mechanically dewatered and resulted in 295,000 tons of dry sediment cake that was hauled by truck to the Advanced Disposal Landfill in Chilton. Filtration and treatment of interstitial and carriage water resulted in 859 million gallons of clean water returned to the Fox River. Clean sand and armoring gravel were once again used to create single and multi-layer residual sand covers and isolation caps. Residual sand cover was placed over 80 acres, and 38 acres of armored caps were created. This season, heavy-armor "quarry spall" was placed over 8 acres of contaminated sediment in the Federal Navigation Channel upstream of the Fort Howard turning basin, and adjacent to the Hwy. 172 bridge. Dredge and capping performance during the 2015 calendar year served as assurance to the WDNR/EPA Agency Oversight Team that the project will meet its goal of completion by 2017.

Ansul/Tyco Arsenic Contaminated Site (Lower Menominee River AOC): Tyco International, owners of Ansul Incorporated, completed implementation of the EPA approved work plan to remediate arsenic contaminated sediments to 50 ppm in 2013. A total of over 250,000 cubic yards of contaminated sediment was removed from the river and confirmation sampling determined that the remedial action goals for 2013 were reached. A Great Lakes Legacy Act (GLLA) Betterment Agreement between TYCO, the EPA, and the WDNR was signed in May 2014. The agreement calls for additional dredging of all soft and semi-consolidated sediments that have arsenic concentrations greater than 20 ppm remaining after the 2013 completion of the Resource Conservation and Recovery Act (RCRA) component of the project. This agreement acts to speed recovery of the aquatic ecosystem and delisting of the Menominee River AOC. The Betterment Action was completed in mid-November 2014, with 42,000 additional yards of arsenic contaminated sediments removed from the river. In 2015, a 6" covering of carbon-enhanced sand was placed in those deep-water areas where excavation activities had exposed glacial till with arsenic concentrations >20 ppm at the surface. This cover will attenuate any remaining arsenic that might migrate vertically through the dense till material, and ensure water quality limits are not exceeded in the over lying water column. As part of the RCRA 5-yr review, surficial sediment samples will be collected over the remedial footprint and used to verify the deposition of clean material over the site.

Menekaunee Harbor (Lower Menominee River AOC): The City of Marinette and WDNR began restoration activities at Menekaunee Harbor with financial support from the EPA Great Lakes National Program Office via a GLRI grant. 2014



activities included removal of failing seawall and removal of 27,100 cubic yards of contaminated sediment and 31,900 cubic yards of navigational sediment. A small area (12,500 square feet) of residual contaminants was covered with a 6-inch sand cover to allow for benthos recovery. Habitat restoration activities were substantially completed in 2015. Restoration activities included the following: control and removal of invasive species; establishment of diverse and native plant communities; improvement of fish spawning, feeding, and cover areas with installation of fish sticks and deep water log structures; and restoration of wetland and upland habitat for use by invertebrates, amphibians, reptiles, mammals, and birds through diverse plantings, nesting platforms and boxes, bat houses, and finally, rock and brush piles. Invasive plant monitoring and control will begin in 2016 and conclude in 2018 to ensure successful establishment of native plantings.

WPSC former MGP Site (Lower Menominee River AOC): Wisconsin Public Service Corporation, EPA, and WDNR oversaw the removal of 15,000 cubic yards of coal tar wastes during 2012 and 2013. Follow-up sediment monitoring and bathymetry occurred during 2013-2014 to determine if a 10-inch sand cover and reactive core mat are effective measures to address residual contaminants that were not removed during dredging due to bedrock configuration and to address upland migration of contaminants to the river. The monitoring showed that all surface sand cover results were below the 22.8 ppm total Polycyclic Aromatic Hydrocarbons (the remedial action objective), and that overall, sand cover thickness is greater than 10 inches, indicating new depositional material over the cover. Sampling is now complete until the 5-year review in 2018.

Lincoln Park (Milwaukee Estuary AOC): The EPA, WDNR, and Milwaukee County completed remediation work on the Lincoln Park EPA Great Lakes Legacy Project Phase II in 2015. The Lincoln Park project addresses significant



Lincoln Park remediation photo. Photo by Emily Punke, DNR.

deposits of harmful polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs) in the Milwaukee River. Implementation of Phase II began in December of 2014 and is the final phase of the three part project which began with the cleanup of Blatz Pavilion in 2008 and Phase I in 2012. Overall the project partners have spent about \$50 million over the past 8 years on this cleanup. Phase II was a highly choreographed and technical operation with cofferdams temporarily blocking water flow for dry removal, an on-site mobile lab, and its

wastewater treatment system and decontamination Remediation area. completed in 2015 with a total of approximately 52,000 cubic yards of contaminated sediment removed from the Milwaukee River in a county park located about 7 miles upstream from Lake Michigan. Restoration work, which includes placement of boulders and root wads for fish habitat as well as native plantings, has begun and will continue into 2016 followed by several years of maintenance. The cleanup of this area is expected to result in significant long term



Lincoln Park remediation. Photo by Duane Thomas, EA Engineering, Sci. and Tech., Inc.

reductions of PCBs within the Milwaukee River and harbors by eliminating the source of 75% of the PCBs transported by the river.

Kinnickinnic River (Milwaukee Estuary AOC): Contaminated sediment between Becher Street and Kinnickinnic Ave. was cleaned up in 2009 under the GLLA. According to the remedial action plan, additional sediment quality assessment was conducted for the Municipal Mooring in 2015 under the GLRI administrated by the EPA GLNPO. Also downstream of Kinnickinnic Avenue, sediment is impacted by the former coke and gas production. The Milwaukee Solvay Coke &



Gas Site Remediation Investigation/Feasibility Study Group completed a remedial investigation in 2015 and will move to the feasibility study phase. The investigation was overseen by the EPA under the Superfund Alternative program in cooperation with the WDNR.

Howard's Bay (St. Louis River AOC): Howards Bay is an industrial embayment which is important for Great Lakes commerce. The only U.S. shipyard above the Soo Locks and largest grain elevator in Duluth-Superior harbor are located here. Industrial pollutants in sediment, including high levels of lead, organotin, mercury, and polycyclic aromatic hydrocarbons (PAHs), restrict dredging activities in the bay. Remediation of contaminated sediment will result in a channel deep enough to accommodate large vessel access to the shipyard and grain elevator. To reduce costs, the WDNR, EPA, and Fraser Shipyards, Inc. are collaborating to address environmental problems and meet maritime needs with a single project. The USACE and City of Superior are also participating in project design and planning. The USACE is also conducting a parallel effort for "Strategic Navigation Dredging" of the federal channel in Howards Bay. Sediment sampling was done in 2010, 2013, 2014 and 2015 to identify the degree and extent of contamination. A project agreement was signed in 2014 for a Great Lakes Legacy Act project to complete a feasibility study and remedial design to address sediment contamination. The feasibility study was completed in 2015 and identified a preferred alternative that consists of a combination of dredging and enhanced natural recovery. The remedial design will be completed in 2016 and implementation of this design is expected to occur later this year or in 2017, contingent on availability of funds. Once cleaned up, restrictions on dredging can be removed and the bay will be improved for maritime uses while improving habitat for fish like musky and northern pike and for migratory waterfowl.

Statewide Sediment Cleanups

Ashland MGP Site (Ashland, Wisconsin): The Ashland EPA Superfund Site is split into two Phases (I and II), representing the land and off-shore remediation, respectively. The on-land portion is nearing the end of the implementation phase, which started in 2013. For the upper bluff and filled ravine portions of the site, 80,000 tons contaminated soils from the former Manufactured Gas Plant where excavated, and 65,000 tons were thermally desorbed and placed back on-site, the balance was landfilled. For the Kreher Park portion of the site, 3,400 lineal feet of slurry and sheet pile walls where installed to contain the shallow contaminated groundwater. Fifteen wells were installed in the deep aquifer to recover free product and the on-site wastewater treatment plant will be constructed and the pump and treat system online by the end of 2016. To date, over several years, 15,000 gallons of free product have been recovered from a low-flow pilot system. For the Phase II offshore remedy, the Record of Decision allowed a Pilot Study option to determine the efficacy of wet dredging in the near shore area. The Pilot Study design was performed in 2014 with mobilization starting in the fall of 2014. However, dredging was never attempted because the barge based wave attenuation system capsized during a fall storm event on Lake Superior. The following year, 2015, a significantly more robust wave attenuation system in the form of a 900-foot long rubble mounded breakwater was designed, permitted, and constructed. This was noteworthy considering the State of Wisconsin had not permitted a breakwater on the Great Lakes in the last decade and construction occurred 24-hours per day. The Pilot Study is currently being redesigned for the changes due to the breakwater and is intended to be implemented during the construction season of 2016. Additionally, all Superfund liability litigation was settled following the Federal Case that was heard by Judge Crabb in 2015. Many issues on this longstanding site have been or are currently being resolved with all parties working cooperatively.

Hayton Area Remediation Project (Tecumseh Products): Tecumseh Products contractors are continuing cleanup work to address PCB contaminated sediment in tributaries of the South Branch of the Manitowoc River, Calumet County. In 2014 and 2015 11,700 tons of PCB impacted sediment and soil were removed from the site. Removal work will continue in 2016.



Portage Canal (Portage, WI): The WDNR has prioritized internal funding to document and summarize the many previous sediment investigations in a Remediation Investigation report and perform a subsequent Feasibility Study to determine the cost to remediate the 2-miles of contaminated sediment. These reports are expected to be completed in 2016 with the intent that they can be used to assist in acquiring funding. Concurrently, WDNR is working with the City and County to dredge and cap the contaminated sediment in the small portion of the canal that the County is developing around. The County contractor will be implementing a WDNR design in 2016 as part of the development work.

Ripon MGP site (Alliant Energy): Alliant Energy's contractors continue to monitor the 2014 cleanup in the Ripon Millpond at Selfridge Park. The engineered cap placed during the dredge and cap cleanup continues to function as designed. Contaminant levels in the pond sediment indicate the system is in recovery and the sediment is not a risk concern. Yearly monitoring will continue to verify the performance of the remedy.

Stevens Point MGP (**WE Energies**): WE Energies contractors performed a sediment cleanup at the site of a former manufactured gas plant (MGP) on the Wisconsin River in the fall of 2015. The site of the old gas plant is now a city park and the sediment cleanup addressed human health and ecological risk at this popular local location. 2,300 cubic yards of MGP waste and contaminated sediment were removed and the site was capped with sand and activated carbon to manage dredge residuals. The work was overseen by the EPA under the Superfund Alternative program in cooperation with the WDNR.

Aquatic Invasive Species

The Wisconsin DNR aquatic invasive species program participated in several programs in 2015 which aided water quality:

- Ballast water permit program
- Boat, Gear, and Equipment Decontamination and Disinfection Manual Code 9183.1
- Asian carp
- Great Lakes and Mississippi River Interbasin study
- Aquatic Invasive Species Monitoring
- Emerging challenges

Decontamination/Disinfection Manual Code

The WDNR updated and revised its own internal "Manual Code" which directs WDNR staff on how to clean their boats and equipment prior to moving between water bodies. An internal comment period was completed in 2015. Affected

agents, contractors and permittees will be provided an opportunity to comment in early 2016. A copy of this guidance can be found here: http://intranet.dnr.state.wi.us/int/mb/codes/MC9183-1.pdf.

Asian Carp

Invasive Silver Carp could negatively impact Wisconsin water quality. In 2014, the USFWS collected 100 water samples in June and July from both the Fox and Milwaukee Rivers and tested them for Asian carp eDNA. The June samples all came back negative while one sample from the Fox River tested positive for silver carp eDNA. After notifying the WDNR of this



Asian Carp

finding, the USFWS agreed to collect an additional 100 samples from the Fox River to determine if eDNA for silver carp



could be located again. Two additional sampling rounds of 100 samples were completed in October 2014. No additional Asian carp eDNA was detected.

Great Lakes and Mississippi River Interbasin Study (GLMRIS)

The movement of AIS between waterbodies can happen in any number of ways. In Wisconsin boaters are the number one mechanism for AIS dispersal between inland waters. Canals and diversions are an important pathway for AIS movement between the Great Lakes and the Mississippi River and the number one location where this occurs is located in Chicago. Congress authorized the USACE to study potential connections between the Great Lakes and Mississippi River basins and to present a range of options and technologies to prevent the transfer of aquatic nuisance species (ANS) between the Great Lakes and Mississippi River basins through aquatic pathways.

Using the GLMRIS report the Chicago Area Waterway System (CAWS) Advisory Committee has been working to find a two-way, long-term solution that prevents the inter-basin transfer of AIS while also maintaining or enhancing transportation, maritime commerce, water quality, recreation, and flood protection in the region. The CAWS Advisory Committee developed consensus recommendations on a long-term solution and sent them to Congress and requested the President to provide sufficient funds in the 2017 federal fiscal year to implement the recommendations. As a member of the Great Lakes Panel of the Aquatic Nuisance Species Taskforce, Wisconsin is represented on the CAWS Advisory Committee and participates in these discussions.

Aquatic Invasive Species Monitoring Program

WDNR has been implementing AIS monitoring since the early 1990's. Prior to our initial Great Lakes Restoration Initiative grant from the EPA and USFWS in 2010, this monitoring was not a strategic and coordinated effort. In 2015, a 5 year project was completed to evaluate the rate of spread of AIS within the state to determine whether AIS outreach efforts were effective. Over half the state's ~1,800 lakes with public access were surveyed during this project. Results from this project indicate that rate of spread is not increasing, but staying the same. This suggests that outreach efforts are slowing the spread, but there is room for improvement. Also in 2015, a pilot project was implemented on 100 stream/road crossings in the Lake Michigan Basin to develop a protocol for stream AIS monitoring and also identify whether land use or recreation were related to AIS presence. The protocol was field tested and improvements were made. Results suggest that land use was related to the presence of riparian species, but not in-stream AIS. Moving forward, protocols for lakes and stream are being integrated with routine water quality monitoring.



Aquatic plant removal sign.

AIS Grants

Federal

The GLRI program has funded a variety of clean up, restoration and protection activities including fighting invasive species. The Lakes and Rivers Section of the WDNR has received over \$6 million from GLRI since 2010 to fight aquatic invasive species. These funds increase Wisconsin's capacity to educate boaters about the harmful effects of AIS such as zebra mussels, Eurasian water milfoil, or spiny water fleas, and conduct early detection monitoring and response actions to find AIS quickly and contain or control them. Funds are distributed through a variety of federal agencies but the USFWS and EPA are the two primary agencies distributing funds for AIS activities.

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Wisconsin receives federal funding to implement its statewide AIS Plan. While these funds are important in implementation of the plan they fall far short of what is needed to sustain an effective AIS effort in the state.

State

In 2015, the Wisconsin lake grants program, including grants for aquatic invasive species, shifted to a single application period designed to reduce workload on field staff. With minor growing pains, the new process went relatively smoothly. Additional changes are planned as the WDNR anticipates revising ch. NR 198, Wis. Adm. Code. The WDNR provides over \$4.0 million annually to eligible applicants to fight AIS.

Emerging Challenges

New Zealand Mud Snail

Following the discovery of New Zealand mudsnails (*Potamopyrgus antipodarum*) in Black Earth Creek, Dane County in October 2013, the WDNR implemented a response project to determine their distribution and prevent their spread. Monitoring included statewide winter benthic sampling, an eDNA pilot project, and multistate surveillance using the validated eDNA method. New Zealand mudsnails were not observed outside Black Earth Creek and benthic and eDNA surveillance will continue. Prevention efforts included partnering with the River Alliance of Wisconsin, Trout Unlimited, and multiple organizations to sponsors grants to engage wading angling outreach, construct wash stations, post signs, and provide presentations.

Faucet Snail

Faucet snails (*Bithynia tentaculata*) infected with a parasitic flatworm (*Sphaeridiotrema globulus*/pseudoglobulus) that is harmful to waterfowl, were identified in Elton Creek, Langlade County in December 2014. Following the initial discovery and verification, WDNR staff conducted reconnaissance and did not observe faucet snails outside Elton Creek. Continued monitoring will include routine benthic sampling and Snapshot Day volunteers. The discovery was communicated to stakeholders and partners like Trout Unlimited and the Menominee Tribe and actions were initiated to contain and control the population. The WDNR is now working to identify the snails' distribution in the area.

Previously found in the Great Lakes, the Mississippi River and the Wolf River system, this is the first known occurrence of the snail in a small, cold water stream in the region. While the faucet snail was likely introduced into the Great Lakes through ship ballast, its spread may be occurring by transport on watercraft, recreational gear and even waterfowl.

Starry Stonewort

Starry stonewort (*Nitellopsis obtusa*) was discovered in Little Muskego Lake, Waukesha County in September 2014 by WDNR staff. Following the discovery and verification, WDNR staff delineated the population in Little Muskego and also surveyed 13 other proximal lakes. Starry stonewort was observed in two other Waukesha County lakes, one in Racine County and one in Washington County. Lakes with starry stonewort are applying for early response grants for Clean Boats Clean Waters inspectors and manual control. Three informational workshops were held to provide information on species biology, impacts, prevention, management and the response actions.

Water Quantity Issues

While Wisconsin generally has abundant water resources over most of the state, there are isolated areas where excessive groundwater pumping has resulted in impacts to surface water bodies and springs and has reduced the availability of good

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quality drinking water. Concern over impacts to springs and valuable surface water resources as a result of a proposed water bottling operation in central Wisconsin led to the 2004 adoption of comprehensive groundwater quantity legislation (2003 Wisconsin Act 310). Under that law, proposed high capacity wells that are within 1200 feet of trout streams and other designated high quality waters, wells that could have significant impacts on a spring, and wells with a high water loss, are all subject to more rigorous evaluation by the WDNR using the Environmental Impact Statement process. Since the 2004 adoption of Act 310, as a result of the July 2011 Wisconsin Supreme Court decision in the Lake Beulah case and a September 2014 administrative law decision in the Richfield Dairy case, the scope of the WDNR's review of proposed high capacity wells has expanded significantly. When reviewing high capacity well applications, WDNR staff now considers impacts to all waters of the state including streams, lakes, wetlands, municipal wells, and private wells, cumulative impacts of the proposed well along with other wells on the same property and water withdrawals on other nearby high capacity well properties. If significant impacts are predicted, the well application may be modified or the approval may be denied.

The Wisconsin legislature has considered multiple bills to modify the high capacity well review process and groundwater management approaches since 2009. The effect of the bills would be to modify, expand, or reduce the scope of WDNR authority over high capacity well reviews and the procedures for those reviews and also would establish mechanisms to designate and manage groundwater use in areas of the state which have experienced significant cumulative impacts due to groundwater withdrawals. To date none of these bills have passed, but this continues to be an active area of legislation.

Climate Change

Regional Monitoring Network for Streams and Lakes

The EPA is working with its regional offices, states, tribes, and other state and federal agencies to establish regional monitoring networks (RMNs). The primary goals are to monitor and quantify changes in baseline conditions over time, including responses to changing climatic conditions. RMNs have been established on streams in the northeast (Region 1), Mid-Atlantic (Region 3), and the southeast (Region 4), and efforts are expanding into the Upper Midwest (Region 5). Although the focus has been on streams, EPA is now attempting to develop RMNs for lakes in Region 5 as well.

The need for RMNs stem from the lack of long-term, biological, thermal, and hydrologic data across state boundaries, particularly at minimally disturbed sites to track long-term environmental changes. Data collected at RMNs will be used to quantify temporal variability and trends; investigate relationships between physical, chemical, and biological data; separate natural climatic changes from human disturbances; explore ecosystem responses to and recovery from extreme weather events; and test hypotheses and predictive models related to climate change. The goal is to collect comparable data that can be effectively pooled and analyzed at regional and national levels while also tying in with baseline monitoring efforts that meet individual state needs.

For streams, each EPA region should try to establish a minimum of 30 monitoring sites on minimally-disturbed cold or cool headwater streams within each EPA region. The WDNR is partnering with the USGS, USFWS, the University of Wisconsin, and colleges to take advantage of and collaborate on long-term continuous stream monitoring already being conducted in Wisconsin. A key criterion is to select catchments with low levels of human disturbance. Streamflow and water and air temperature will be monitored continuously, aquatic invertebrates will be sampled annually, and fish and habitat biannually.



EPA Region V is the first region to consider a RMN for lakes, and a monitoring design is still under development. The Lake RMN may result in expanding the parameter list and sampling a handful of WDNR Long Term Trend Lakes at higher frequency. The 2015 monitoring strategy for WDNR suggests establishing a "sentinel lakes" monitoring program on a subset of the lakes that have been monitored for 20+ years.

Table 3. EPA Site Selection Criteria

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Consideration	Desired characteristics at primary sites
Existing monitoring	Located in established long-term monitoring networks to build upon data already
network	being collected by states, tribes, RBCs, and others.
Disturbance	Low level of anthropogenic disturbance.
Potential for future disturbance	Located in watersheds that are protected from future development.
Sampling record	Lengthy historical sampling record for biological, thermal or hydrological data.
Equipment	Co-located with existing equipment (e.g., USGS gage, weather station).
Broad-scale classification	Freshwater wadeable streams with rocky substrates and riffle habitat. At least 30 sites (within or across regions) should fall within US EPA's broad-scale colder temperature, faster water class (US EPA, unpublished).
Sustainability	Accessible (e.g., day trip), opportunities to share the workl oad with outside agencies or organizations.
Climate change vulnerability	Rated as moderately or most vulnerable to at least one of the exposure scenarios: increasing temperatures, increased frequency and severity of extreme precipitation events, and increased summer low flow events (US EPA, unpublished).

Mississippi River

The Long Term Resource Monitoring Program (LTRMP) was authorized by Congress in 1986 as part of the U.S. Corps of Engineers' Environmental Management Program on the Upper Mississippi River (UMR). This program is being implemented by USGS with assistance and field support by the five UMR States (MN, IA, WI, IL and MO). It has been in place since 1988 and provides information on water quality, vegetation, fisheries and land-cover/land-use and other resource information used to assess the trends and ecological health of the Upper Mississippi River System (UMRS). The WDNR's LTRMP field station at La Crosse, WI carries out this monitoring program on navigational Pool 8 of the Mississippi River.

The <u>Pool 8 State of the Ecosystem Report [PDF]</u> provides a summary of water quality, fisheries and vegetation monitoring data collected by the LTRMP field station for years 1993 to 2014. Pool 8 underwent a change from a turbid, low submersed aquatic vegetation (SAV) system to one with greater water clarity and SAV frequency. This change was associated with notable changes in the fisheries community during the monitoring period.

Studies of ecological shifts during a transition from a turbid to clear water state

Water clarity is a keystone variable in aquatic ecology. The positive relationship between water clarity and aquatic plants is well understood and the prevalence of aquatic plants drives a variety of ecological processes in aquatic ecosystems. Proliferation of aquatic plants has been shown to drive a variety of feedback mechanisms including reduced sediment resuspension, reduced phytoplankton, increased invertebrate biomass, increased refuge for zooplankton, increased denitrification, production of allelopathic substances, and increases in waterfowl abundance.

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Water clarity and aquatic plant abundance are among the major factors driving fish community characteristics across the Upper Mississippi River. Widespread landscape disturbance, resulting in increased sediment loading, has been identified as driving declines in aquatic plant abundance. This results in declines of backwater specialists and predators with plant-dependent life cycles. Clear, vegetated systems tend to be dominated by visual predators such as yellow perch (*Perca flavescens*), northern pike (*Esox lucious*), and largemouth bass (*Micropterus salmoides*). Predatory fishes such as northern pike, bowfin (*Amia calva*), largemouth bass and longnose gar (*Lepisosteus osseus*) are often able to substantially reduce recruitment among planktivorous fishes. This reduction in planktivorous fish can alter food webs and result in further increases in aquatic vegetation and water clarity. Alternatively, benthivorous fish such as common carp (*Cyprinus carpio*) tend to be abundant in turbid systems and can keep these systems in a turbid state due to resuspension during their feeding and spawning activities. Once substantial populations of common carp and other benthivores are high, establishing aquatic plants can become difficult due to poor water transparency.

Over the past 20+ years, WDNR has observed an ecological shift from a turbid to clear water state on the Mississippi River. WDNR has observed significant, synchronous changes occur in total suspended solids concentration, aquatic macrophyte abundance, native and non-native fish biomass, fish functional feeding guild patterns, fish habitat guild assemblages, fish spawning guild assemblages, and upper trophic level biomass. Environmental variables driving fish assemblage changes were identified (total suspended solids and aquatic vegetation coverage) and management relevant thresholds were identified to prevent the river from moving to a degraded state characterized by high non-native fish abundance and low predatory fish species abundance.

Manuscripts and Reports:

Giblin, S.M., Ickes, B.S. and Drake D.C. Evidence of Ecological Thresholds in a Large Floodplain River during a Transition from a Turbid to Clear Water State. In Review.

Giblin, S.M. <u>Let There Be Light: Making the Case for Improved Water Quality and Targeted Restoration</u>. UMRCC Winter Newsletter.

Studies of duckweed and other free-floating plants (FFP)

These plants can form dense surface mats that reduce ecosystem health, and can impair public use of aquatic resources. The UMR has experienced an increase in free-floating plants comprised of duckweeds and filamentous algae in recent years. Dense mats of FFP have been shown to create low oxygen conditions, reduce fish and invertebrate biomass, and decrease property values. During many years, a large proportion of backwater habitat is covered by these mats resulting in poor fish and wildlife habitat and reduced recreational opportunities. While much of the emphasis regarding excessive phosphorus and nitrogen loading to the UMR has focused on "The Dead Zone" in the Gulf of Mexico, it is becoming increasingly evident that high nutrient concentrations can have effects on the local ecosystem as well. The objective of these studies was to better understand the factors that are associated with the formation of dense surface mats of these plants. Favorable environmental conditions for FFP include abundant nitrogen and phosphorus, warm water temperature, shallow water depth, and low water velocity. Additionally, the presence of rooted aquatic plants (submersed, rooted floating-leaved, and emergent), which act as a substrate to hold FFP in place, has been associated with high FFP biomass. Studies indicated that relatively small changes in drivers such as water velocity, rooted aquatic plant cover, water depth, and nitrogen and phosphorus concentrations can produce relatively large changes in FFP biomass. The study also estimated thresholds of causal factors that were important in influencing FFP abundance. These factors included nutrient concentrations, water depth, current velocity, and rooted aquatic plant abundance.

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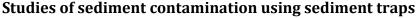
Management actions on the Upper Mississippi River are often designed to alter water velocity and hydraulic connection between channel and off-channel areas. (e.g., constructing islands to reduce wind fetch and create shallow, sheltered areas). Factors influencing FFP development, along with observed patterns in nitrogen and phosphorus limitation, will help managers and project planners understand likely effects of rehabilitation project design on FFP abundance. Furthermore, the estimated phosphorus threshold is consistent with the numeric phosphorus criterion of < 0.1 mg/L total phosphorus for Wisconsin non-wadeable rivers (Wisconsin Administrative Code, section NR 102.06(3)); achieving this value may reduce the frequency of occurrence of large FFP mats in the UMR.

Recent published manuscripts and other reports evaluating duckweeds and free-floating plants prepared by LTRMP and Mississippi River Unit water quality staff include:

- Giblin, S.M., Houser, J.N., Sullivan, J.F., Langrehr, H.A., Rogala, J.T., and Campbell, B.D. 2014. <u>Thresholds in the Response of Free-Floating Plant Abundance to Variation in Hydraulic Connectivity, Nutrients, and Macrophyte Abundance in a Large Floodplain River.</u> Wetlands 34:413-425
 - Houser, J.N., Giblin, S.M., James, W.F., Langrehr, HA., Rogala, J.T., Sullivan, J.F., and Gray, B.R. 2013. Causes and consequences of abundant duckweed and filamentous algae in backwater lakes of the Upper Mississippi River near La Crosse, Wisconsin. River Systems 21:71-89



- Sullivan, J. and S. Giblin. 2011. <u>Continuous Dissolved Oxygen and Water Temperature Monitoring in Pool 8 Backwaters of the Upper Mississippi River May-September, 2010</u>. Wisconsin Department of Natural Resources, La Crosse, Wisconsin. [PDF]
- Upper Mississippi River Restoration Environmental Management Program Habitat Rehabilitation and Enhancement Program (HREP)



The WDNR has been conducting long term monitoring of suspended sediment contaminant concentrations in the Mississippi River at Lock and Dam 3 (Red Wing, MN) and Lock and Dam 4 (Alma, WI) since 1987. Suspended sediment is collected passively through the deployment of glass sediment traps for about 60 days in a low velocity area immediately upstream of both lock and dams during spring, summer and fall. The primary purpose of this monitoring has been to assess long term trends and to provide an estimate of whole-water particulate-phase concentrations. Suspended sediment or particulate matter in river water represents a major portion of contaminant transport, especially in turbid rivers like the Mississippi River. PCB and mercury concentrations in suspended sediments are normally higher in samples collected from Lock and Dam 3 than at Lock and Dam 4. This is due to the closer proximity to the Twin Cities Metropolitan Area, a major source of these contaminants. In addition, Lake Pepin, a natural riverine lake located in Pool 4, acts as a natural sediment trap, which results in decreased transport of these contaminants downstream. Temporal trends indicate a decrease in PCB and mercury concentrations at both monitoring sites. PCB concentrations are presently one-third to one-fourth that observed in the late 1980s, while present mercury concentrations are roughly one-half of



Example of sediment trap deployment at Lock and Dam 3.

Photo from Shavin Giblin



concentrations during the late 1980s. Pollution abatement efforts to reduce the use or discharge of these contaminants have led to these reductions in contaminant concentrations.

Manuscripts and Reports:

Giblin, S.M. Mississippi River Long Term Sediment Trap Contaminant Trends: Lock and Dam 3 and 4 (1987-2015)

Site-level water quality evaluations

Water quality evaluations were conducted at a variety of locations to inform management decisions related to: increasing or decreasing hydraulic connectivity to improve water quality, habitat project evaluation, long term trend evaluation, data gathering in areas proposed for habitat projects and data gathering in areas of special interest. Locations sampled in 2014-2016 include: Spring Lake (Pool 5), Whitman Bottoms (Pool 5A), Johnson Island (Pool 6), Lake Onalaska and Trempealeau Lakes (Pool 7), Goose Island, Pettibone Lagoon and Stoddard Bay (Pool 8), Capoli Slough, Cold Springs and Blackhawk Park (Pool 9), and Sunfish Lake (Pool 11). Reports related to these evaluations are available by request.

Upper Mississippi River Basin Association (UMRBA) Water Quality Task Force Activities

The <u>UMRBA</u> Water Quality Task Force provides a forum for water resource management program coordination and consultation among the five state (IA, IL, MN, MO, and WI) water quality management agencies and EPA Regions 5 and 7. The focus of the Task Force's activities in the past two years has been on the development of <u>Clean Water Act Strategy and Recommended Monitoring Plan for the UMR [PDF]</u>. The plan has been approved by the UMRBA Board and was endorsed by the UMRBA Water Quality Executive Committee. The plan provides a consistent and coordinated interstate monitoring approach for assessing the water quality of UMR including the use of new biological assessment methods. This new monitoring initiative would enhance states' ability to track changes in water quality, provide consistency in identify water quality problems, help track nutrient reduction strategies and provide information assessing attainment of designated uses. Current efforts are now focused on the development of an assessment methodology which will provide guidance for evaluating attainment of the four major CWA designated uses for the UMR including: aquatic life, drinking water, human health (fish consumption) and recreation.

A field pilot of the UMR CWA Monitoring Plan will be conducted in the states of Minnesota and Wisconsin on a subset of the UMR's upper reaches, beginning in May 2016. A UMR CWA Pilot Monitoring Project Field Operations Manual is being developed to provide the technical and procedural detail necessary for the states of Minnesota and Wisconsin, as well as other partners, to implement UMR CWA pilot monitoring. While it will inform sampling procedures UMR-wide, the nature of the pilot is such that changes and improvements are expected to be made as a result of this initial effort.



Mississippi River. Photo credit WDNR.



C. Surface Water Monitoring & Assessment

C1. Monitoring Program

Rivers / Streams

Baseline Monitoring - Statewide

The 2015 strategy update supports continuation of ongoing studies described below.

- Trends sites (Lakes, Rivers) Long Term Trend Projects (ongoing)
- Probabilistic surveys (streams, AIS, NARS (coastal condition and wetlands))
- Reference sites (wadeable streams, macrophytes, large river macroinvertebrates)

WDNR will work to continue collection of ambient water quality data such as dissolved oxygen, pH, temperature, hardness, heavy metals, and pesticides important in understanding the assimilative capacity that is appropriate for specific receiving waters under its Long-Term Trend Rivers and Wadeable Streams Programs. There is an important emphasis on collection of phosphorus and stream base flow data statewide, as the issues of phosphorus permit issuance, site specific permit issuance, and high capacity well permit reviews are conducted. The emphasis on biological data and background information needed to create assessment parameters to support the creation of updated designated uses and biocriteria for the state's water quality standards will precipitate new and additional monitoring requirements in the current and future work plans.



Black Earth Creek. Photo credit WDNR.

Prescribed Monitoring - Statewide and District Collaboration

Prescribed Monitoring includes directed monitoring activities with common purpose and a suite of standard monitoring procedures. A major goal of this monitoring effort is to coordinate water selection across disciplines (e.g., more integration between streams and lakes, water resources and fisheries) to obtain diverse data sets from the same water body (e.g., water chemistry, physical habitat, and biological data on a single lake). However, the field sites will vary from year to year and will be selected jointly by District and Central Office staff. In some cases Prescribed Monitoring projects may be used for stream, river and/or lake monitoring waterbodies individually for whole watersheds.

For those areas in the state where protection is warranted or pollutant problems are known, such as an impaired water or an existing listed watershed where a TMDL is needed, more intensive sampling will occur to verify the cause, extent, or loading rates of the pollutant or problem. Prescribed monitoring is designed to meet statewide data needs through consistent data collection schemes and generalized site selection priorities, however watershed/site selection and monitoring designs are developed by Districts.

Four examples of this type of work include:

Targeted Watershed Assessments



- Directed Lake Assessment (including APM and Critical Habitat)
- 319 (Non-point) Project Evaluation
- Follow-up for Impaired Waters

"Local Needs" - District Initiated

Local needs monitoring are designed to address specific data gaps for closing up open questions related to attainment decisions, permit evaluation or other pressing needs.

This strategy is designed to be a dynamic document, with continuing investment in research to better understand our aquatic resources and timely update of when and how gaps are addressed as documented online and as amendments to the state's Water Quality Monitoring Strategy. This 2015-2020 Monitoring Strategy is formally the 4th Water Program update of previous versions in 2008, 2006, and 2004. This strategy will be advanced as a formal amendment to the state's Areawide Water Quality Management Plan.

Natural Community Stratified Random

To assess the condition of all of Wisconsin's 45,000 miles of perennial streams a probability based stream monitoring program was developed. Probabilistic survey designs provide statistically-valid estimates of conditions large, hard to sample resources with a known confidence.

In 2010-2013 the WDNR began a monitoring program to assess the condition of wadeable streams across the State using a probabilistic design called the Natural Community Stratified Monitoring program (NCSR). The Wisconsin monitoring design included sampling 550 sites over four years that were spatially stratified to cover the entire stream, geographic and Natural Community types found throughout the State.

Monitoring Objectives

By using a probabilistic design the State was able to determine the condition of Wisconsin's wadeable streams in a statistically valid manor. The results of this analysis provide an assessment of the physical, chemical & biological quality of the overall population of wadeable, perennial streams across the State. From the results of the 2010-13 NCSR program future versions of the project will consist of 50 sites per year and data will be analyzed every two years (100 sites per cycle starting 2014 & 2015).

Monitoring Design

Stream monitoring locations were selected using a probability based random selection stratifying by WDNR District and Natural Community type.

Table 4: Natural Community Stratified Random Monitoring Program Indicators				
Parameter	Analysis Location	Database	Assessment Indicator	
Chemistry Data	State Laboratory of	Horizon (SLOH)	TP Package, chlorides package, other	
	Hygiene	to LDES to SWIMS	(WisCALM Assessments)	
Macroinvertebrate Substrate	UW Stevens Point	UWSP to SWIMS	Wadeable Macroinvertebrate Index	
Sample	Entomology Laboratory		(WisCALM Assessment)	
Fish Electroshock – Fish	In Field and Fish DB	Fisheries Database	Fish IBI (dependent on natural	
species present, count			community) (WisCALM	
			Assessment)	



Physical parameters	In Field	Fish DB or SWIMS	Physical (flow) Data
Habitat (qualitative) Metrics	In Field	Fisheries Database	Qualitative Physical Habitat Index

Long Term Trend River Water Quality Monitoring Network

The Long Term Trends (LTT) Rivers monitoring program is a baseline monitoring activity conducted by the WDNR Water Quality Bureau. The LTT Rivers program was developed to track and analyze water quality trends over time in Wisconsin's rivers. The current version of the network, initiated in 2001, now consists of 43 sites, with a minimum of one site per major river basin, generally located near the mouth of each river located at or near a USGS stream flow gauge. Most of these sites are part of an earlier trend monitoring efforts that contribute historic record of water quality data tracing back to the 1970s and 80s.

Monitoring Objectives

- Collect basic water quality information on Wisconsin rivers.
- Establish long-term trends in ambient water quality across the state.
- Provide program-specific water quality data at a large river sites where the combined watersheds drain the majority of the state to track and document changes in water quality over time.
- Provide water quality information to support 305(b) reporting and the TMDL/303(d) program.

Monitoring Design

The general stream monitoring strategy limits sampling to streams that are larger, mostly nonwadeable Rivers. These rivers are generally more likely than smaller streams to receive full body contact recreational use, have a WPDES discharge, and provide at least some information as down gradient indicators of water quality for upstream land and water management practices. Sample sites are identified to incorporate as many of the data needs of the monitoring objectives as possible.

Site Selection

There are 43 LTT Rivers sites located throughout the state, generally at the mouth of larger rivers within and bordering the State. Some sites are located upstream from the mouth on some of the larger rivers (i.e. Wisconsin River) as one location at these rivers would not adequately capture the general condition of those rivers.

Table 5: River Monitoring Study Water Quality Indicators				
Parameter	Analysis	Database	Assessment Indicator	
	Location			
Field Data – Dissolved Oxygen, Temperature, pH, Conductivity and Transparency Tube	In-field analysis	SWIMS – Data Entry	DO daily mean, max, min Temp Daily mean max min Conductivity, Transparency graphs (WisCALM Assessment)	
Nutrients – Ammonia, Nitrate + Nitrite, Total Kjeldahl Nitrogen, Total Phosphorus and Diss Ortho Phos Sediments – Total Suspended Solids, Turbidity Algae – Suspended Chlorophyll-a Other – Chloride and Alkalinity	State Laboratory of Hygiene	Horizon (SLOH) To LDES to SWIMS	Total phosphorus package with WisCALM documented thresholds. (WisCALM Assessment)	



E. coli Low Level Metals – Cadmium, Copper and Mercury Hardness Dissolved Silica Triazine	State Laboratory of Hygiene	Horizon (SLOH) To LDES to SWIMS	Pathogen contamination (EPA criteria exceedance) and E. coli package threshold exceedance. (WisCALM Assessment)	
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Wadeable Trend Reference Streams

Monitoring Objectives

The major goal of this monitoring program is to track long term variation in biological indices over time at reference sites to understand natural variation and broad scale impacts of climatic extreme events on biologic communities. Secondarily, a suite of physical and chemical parameters are monitored over time to understand natural variation.

Monitoring Design

The Wadeable Trend Reference Sites monitoring program samples 44 regionally based, least-disturbed (hereafter, reference) stream locations distributed throughout the State. Stream locations were selected from a combination of the 2008-2009 reference stream project and best professional judgment based on regional expectations of reference condition and stratified among natural communities.

Site Selection and Design

Stream monitoring locations were selected from a dataset of previously monitored reference sites and by best professional judgment. Although sites are meant to represent least-disturbed conditions because of the non-uniform distribution of land uses within the State the amount of agriculture and urban land uses in a specific reference watershed may vary across the State.

Monitoring for the Wadeable Trend Reference Sites requires multiple site visits to sample during the appropriate index periods. Temperature loggers should be deployed in spring as soon as the water levels are safe to work and removed in fall. Fish, chemical, physical habitat and flow monitoring should take place during the fish sampling summer index period avoiding recent rainfalls. The macroinvertebrate monitoring should occur during the fall sampling index period.

Table 6: Wadeable Trend Reference Streams Indicators				
Parameter	Analysis Location	Database	Assessment Indicator	
Chemistry Data	State Laboratory of Hygiene	Horizon (SLOH) to SWIMS	Total phosphorus (TP) analysis against WisCALM Assessment thresholds.	
Macroinvertebrate IBI Substrate Sample	UW Stevens Point Entomology Laboratory	UWSP to SWIMS	Wadeable Macroinvertebrate Index (WisCALM Assessment)	
Fish Electroshock – Fish species present, count	In Field and Fish DB	Fisheries Database	Fish IBI (dependent on natural community). (WisCALM Assessment)	
Habitat (quantitative) Metrics; quantitative for trend reference sites	In Field and Fish DB	Fisheries Database	Qualitative physical habitat	



Lakes

Table 7. Lake Monit	Table 7. Lake Monitoring Studies				
Study Name	Purpose	Supports: Fish and Aquatic Life Uses and Recreational Uses			
Probabilistic Surveys (National Lakes Assessment)	Determine lake health and how lake characteristics are changing over time statewide	National surveys and provides single point data with national methods for further analysis. Single point data <i>may</i> be used toward attainment decisions.			
Long-Term Trend (LTT) Lakes	Document long-term trends in lakes, provide context for other lakes, answer questions from the public, and evaluate long-term effectiveness of management actions	Overall state lake trend data for condition statements regarding Wisconsin's lakes; used for attainment decisions.			
Aquatic Plant Reference Lakes	Monitor natural variability in healthy aquatic plant communities	Aids lake biocriteria development including minimum data requirements and thresholds.			
Citizen Lake Monitoring Network (CLMN)	Determine lake trophic status and monitor trends in trophic status over time; citizen engagement and education	Provides the primary source of data for site specific data statewide in conjunction with satellite imagery modeling, resulting in over 6,000 lakes assessed.			
Satellite Secchi Monitoring	Infer lake water quality for assessment from satellite data	In conjunction with the CLMN program site specific data statewide resulting in over 6,000 lakes assessed			
Directed Lake Surveys	Collect lake information needed for assessment (e.g., 303(d) reporting) and lake management (e.g., aquatic plant management, shoreland zoning, restoration projects, and critical habitat designations) and survey lakes in Targeted Watersheds.	New category of lake monitoring to directly address attainment / condition questions for a host of parameters specific to lake ecosystems. Supports attainment, as well as biocriteria development and implementation.			
Lake Level Monitoring	Long-term monitoring to understand natural fluctuations in lake levels and guide lake management, particularly on lakes impacted by drought or groundwater withdrawals.	Addresses management questions regarding lake levels and supports the groundwater program (well permits, etc.).			

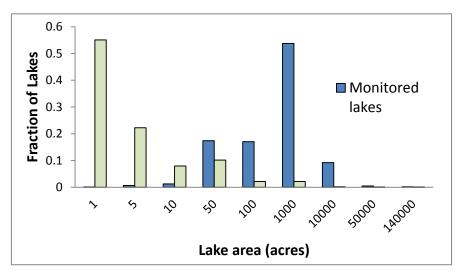


Figure 7. Chart of lake size versus lakes monitored. WDNR monitors lakes that range in size from 1 to 132,000 acres. The majority of lakes in the state are <10 acres, but most monitored lakes are >50 acres. Here, "monitored lakes" had Secchi depth readings in 2014 or 2015.

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Probabilistic Survey (National Lakes Assessment)

Monitoring Objectives

The objective of the probabilistic survey is to determine statewide lake condition across all lake types and sizes. By repeating the survey over time, changes in statewide lake condition over time will also be determined.

Monitoring Design

The probabilistic surveys will be completed in conjunction with the National Lakes Assessment (NLA), a monitoring effort led by the EPA. The NLA is conducted once in a 5-year period. Fifty lakes will be sampled once within a single summer field season, which is a sufficient sample size for a statewide assessment. Lakes > 1 meter deep and > 2.5 acres area are randomly selected from a sample stratified by ecoregion and weighted by lake size. NLA surveys were conducted in 2007 and 2012; the next survey will be in 2017.

If additional funding is secured, the WDNR's goal is to sample a total of 100 lakes within a 2-year period on the NLA cycle in order to characterize lake condition in northern and southern Wisconsin.

Water Quality Indicators

At the deepest point in the lake, samples are collected for a wide variety of parameters: depth profiles of temperature, pH, and dissolved oxygen (DO), Secchi depth, water chemistry (NH₄, NO₃, major anions and cations, alkalinity, dissolved organic carbon, total suspended solids, silica, conductivity), chlorophyll-*a*, nutrients, phytoplankton assemblage, zooplankton assemblage, triazine pesticide screen, and algal toxins. In addition, a sediment core is taken, dated, and analyzed for diatoms and mercury. At ten littoral sites located equidistantly around the lake, benthic macroinvertebrates and shoreline habitat are sampled. Aquatic macrophytes are also surveyed at five of the littoral sites. At a single littoral site, chlorophyll-*a*, algal toxins, and phytoplankton are collected.

Given funding to monitor an additional 50 lakes, WDNR will scale back the NLA protocol to do fewer metrics at more sites, omitting the triazine pesticide screen, benthic macroinvertebrate, zooplankton, and sediment mercury sampling from analysis. Instead of following the NLA macrophyte protocol, WDNR will do full aquatic macrophyte point-intercept surveys on all lakes. Monitoring will be conducted by a centralized crew based at the Science Operations Center in Madison.

Data Management

To date, data has been collected on tablets and given directly to EPA. EPA screens the data and then sends back to WDNR after approximately two years. The data are then stored on personal computers of the WDNR research staff. In the future, the NLA data should also be stored in SWIMS. Data from the additional 50 lakes will be entered directly into SWIMS. The SWIMS database will need to be set up for new types of data (e.g., lakeshore habitat inventories).

Reporting

EPA releases a nationwide report following each NLA survey. WDNR researchers present Wisconsin-specific results in the form of oral presentations and posters at statewide meetings and national conferences. NLA results are also included in the Integrated Report. In the future, NLA results shall also be reported on the WDNR website. These data not used for statewide assessments, but trigger further monitoring and assessment when SWIMS capture EPA data.

Programmatic Evaluation

Apart from EPA evaluations, WDNR will assess probabilistic monitoring every five years.



Long Term Trend Lakes (LTT Lakes)

Sixty-two lakes have been monitored annually as part of the LTT Lakes program since approximately 1986. Some lakes have records dating back to 1968 whereas others were added more recently (as late as 2000).

Monitoring Objectives

The primary objective of LTT Lakes monitoring is to document long-term trends in water chemistry within lakes. This data set also provides context for water chemistry in other lakes in terms of intra and inter-annual variability. These lakes help regional lake biologists answer questions from the public. Finally, given that each lake was included in the program due to a management action, data may evaluate management action effectiveness.

Monitoring Design

These lakes are distributed across all four ecoregions, all five WDNR management regions (west central, south east, south central, north, northeast), and most lake natural communities. "Small lakes" (< 10 acres area) are not represented. The smallest, median, and largest LTT lakes are 38, 382, and 132,000 acres in area, respectively. The LTT lakes were not chosen to be reference lakes with minimal human disturbance. In fact, most lakes had been chosen based on societal value and management actions taking place. Currently, an evaluation of the LTT Lakes monitoring program is underway. Lake selection can be improved by including reference lakes from each ecoregion and small lakes.

Water Quality Indicators

Long Term Trend Lakes are sampled annually for water quality. During spring turnover, temperature and dissolved oxygen profiles are taken along with Secchi depth and an epilimnetic Total Phosphorus sample. Three times during the summer index period (15 July - 15 September), the following parameters are collected: temperature, dissolved oxygen, and possibly conductivity profiles, Secchi depth, epilimnetic Total Phosphorus and chlorophyll-a. In addition, conductivity, pH, alkalinity, color, nitrate+nitrite and Total Kjeldahl Nitrogen are collected from the epilimnion once each summer. Every five years, calcium and magnesium are sampled. On some lakes in the west and north, aquatic plant point-intercept surveys are conducted every three years. Fifty-five of the LTT lakes are also on the fisheries management rotation. These lakes are sampled for the abundance and size of game fish every 1 – 12 years depending on the lake.

The LTT protocol is currently under revision. Proposed changes include: adding a June sampling event, collecting hypolimnetic samples for nutrients and related parameters, changing Total Kjeldahl Nitrogen to Total Nitrogen, and sampling additional parameters: NH4, chloride, Soluble Reactive Phosphorus (SRP), Sulfate, Iron, Dissolved Organic Carbon (DOC). Other surveys under consideration include: aquatic plant point-intercept surveys on all LTT lakes at least once every five years, shoreland habitat every five years, rapid assessments of Aquatic Invasive Species (AIS), lake levels (survey gage in spring and fall and record lake level at each sampling event), water budgets, three phytoplankton surveys per summer including tests for blue green algae, microcystin, and phycocyanin, three zooplankton samples per summer, and beach seines for fish species. More frequent monitoring of temperature profiles on select lakes as indicators of climate change has also been suggested. Given limited resources, a handful of "sentinel lakes" may be selected among the LTT lakes for expanding indicators and frequency of sampling.



Table 8. Long Term Trend Lakes (LTT Lakes) Indicators				
Parameter	Analysis Location	Database	Assessment Indicator	
Chemistry Data	State Laboratory of Hygiene	Horizon (SLOH) To LDES to SWIMS	Trophic Status Index (TSI) (WisCALM Assessment)	
Game fish*	In Field and Fish DB	Fisheries Database	TBD (WisCALM Assessment)	
Aquatic Plant Surveys*	In field and Herbarium for validation	Bureau of Research, SWIMS	Aquatic Macrophyte Community Index (AMCI)	

^{*}A subset of LTT lakes are surveyed for these parameters.

Quality Assurance

- Field protocol including duplicate and replicate samples
- LTT Lakes Field Sampling Procedures

Data Management

Water chemistry samples are analyzed at the State Laboratory of Hygiene and then uploaded to the SWIMS database. WDNR field staff writes additional lake data (sample depths, thermal profiles, etc.) on the lab slips, which are then entered by State Laboratory of Hygiene into SWIMS. In some instances, field staff enter data directly into SWIMS.

Reporting

Collected data are summarized in the SWIMS database and the WDNR's website where summary reports and graphs from SWIMS are available for downloading and review. These data are also summarized for this report. The data will also be used for key parameter package analyses and statewide condition summaries. There is a need to routinely analyze and report long-term trends in these lakes.

Programmatic Evaluation

The LTT Lakes program is currently under review (2014), and will continue to be evaluated every five years.

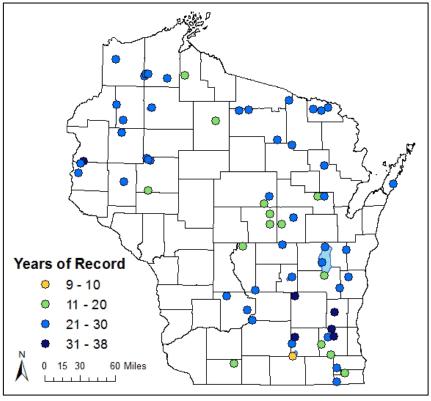


Figure 8: Distribution of LTT Lakes including the number of years of record.

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Aquatic Plant Reference Lakes

Aquatic plants, similar to biological data for streams and rivers, integrate a variety of ecological signals, providing an indicator of stressors in the micro-system in which the plants are found.

Monitoring Objectives

The objective of Aquatic Plant Reference Lakes is to document the variability in healthy aquatic plant communities in the absence of management actions. This information will then be used to refine the new aquatic plant biocriteria for lakes and will also serve as a benchmark as we begin assessing aquatic plant communities in lakes.

Monitoring Design

Three lakes will be selected in each of four lake categories for which a distinct biocriteria has been developed. The categories include: northern seepage lakes, northern drainage lakes, southern seepage lakes, southern drainage lakes. The break between north and south occurs at 44.84707°N. Each lake will be sampled annually. An effort will be made to select LTT Lakes, but only a handful of LTT lakes have plant communities in the best possible condition and do not have ongoing aquatic plant management. Monitoring began on some lakes in 2015. Final lake selection needs to be completed and staff capacity needs to be built before we are able to monitor all 12 lakes.

Water Quality Indicators

A plant point-intercept survey will be conducted on each lake annually. If not an LTT lake, efforts will be made to initiate water chemistry monitoring on the lake following WisCALM guidance (perhaps by initiating citizen-based monitoring on these lakes).

Quality Assurance

- Field Protocols
- Herbarium voucher specimens
- Field survey trainings (annual training exists, but more in-depth training is needed for select WDNR staff)

Data Management

Plant Point Intercept data are currently stored on individual desktop computers. An effort to build the capacity to house plant data in SWIMS has been initiated and must be completed. Second, there is a need to develop a program that will calculate plant biocriteria from raw plant point-intercept data.

Reporting

Reporting templates need to be developed. Eventually, plant point intercept data will be reported on the Lakes pages and will be incorporated into this report.

Programmatic Evaluation

This program will be evaluated annually as it is being developed.

Satellite Monitoring - Secchi

Monitoring Objectives

The monitoring objective is to assess lake water quality on approximately 8,000 lakes in Wisconsin by inferring water clarity from satellite imagery on an annual basis. This information is freely available to the public as well as the scientific community for understanding lake dynamics.

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Monitoring Design

This effort has been built on a successful collaboration between UW-Madison, WDNR, and the Citizen Lakes Monitoring Network. Landsat satellite imagery is used in conjunction with citizen-collected Secchi depths to develop models that estimate water clarity in lakes > 5 acres statewide. This WDNR-Science Services activity, performed annually, now has 25 years of record. At least two water clarity values from within a 3-year period in summer are averaged to determine lake trophic status.

Water Quality Indicators

Secchi depth and Trophic State Index are inferred from the LANDSAT imagery. These parameters are used in WisCALM assessments.

Data Management

All database records and image files are archived at the WDNR Science Operations Center. A file containing the Secchi estimates is sent annually to the lakes program. Data are also stored in the SWIMS data base.

Quality Assurance

- Field Protocols & Training
- Data and Image processing
- SWIMS Data flow QA checks
- SWIMS Data Management Checks

Reporting

Generated data are summarized through the SWIMS database and the WDNR's website (http://dnr.wi.gov) where summary reports and graphs from SWIMS are available for downloading and review. These data are also summarized for this report. The data will be used for key parameter package analyses and statewide condition summaries.

Programmatic Evaluation

This monitoring is funded, and hence evaluated, annually by the Lakes program. This effort has proved to be an extremely cost effective (12K annual) and efficient method to produce a sizable database for the agency as well as the public and scientific community. In addition, General Purpose Revenue is funding a project position from 2014-2016 that focuses on this work.

Directed Lake Surveys

Monitoring Objectives

The objective of directed lake surveys is to strategically collect holistic lake information needed for assessment (303d reporting) and lake management needs on a two-year planning cycle. The focus of this work is to collect biological, physical, and chemical data on lakes with a statewide perspective, but also to address local lake management issues including: aquatic plant management, shoreland zoning, high capacity wells, lake restoration projects, dam regulations, and blue green algae blooms. Lakes shall be selected both for protection and restoration.

Monitoring Design

Lakes will be selected on a 2-year cycle by regional biologists and the statewide lake monitoring coordinator to balance local and statewide needs. For assessment purposes, lakes are prioritized if trophic status indicators (from satellite



imagery or initial water chemistry) suggest impairment but data for impairment listings are insufficient. Lakes are revisited to obtain sufficient data for listing purposes. All lakes targeted for lake management purposes must have public access. Specific management objectives determine which lakes are targeted. Lakes are further prioritized for monitoring if they are on the fisheries management monitoring rotation and if they are vulnerable to aquatic invasive species.

Water Quality Indicators

At a minimum, monitoring surveys will include: water chemistry samples for the Trophic Status Index, an aquatic plant point-intercept survey, and a shoreland habitat survey. The water chemistry group of parameters follows WisCALM guidance at a minimum. This includes Secchi depth, water temperature and dissolved oxygen profiles, and an epilimnetic sample of total phosphorus and chlorophyll-*a* taken three times during the summer index period (July 15 – September 15) for two years. If lakes are targeted for blue green algae management, then blue green algae counts, microcystin, and phycocyanin are also sampled.

Aquatic plant point-intercept data are collected according to protocol drafted by WDNR. Aquatic plant management relies heavily on this data. Plant-based biocritera metrics and rules are currently in development and will hopefully be codified by 2017. Thus, lake condition assessments will soon rely on plant point-intercept data in addition to the Trophic Status index and shall become a routine monitoring parameter.

Littoral and riparian habitat degradation is one of the major stressors to Wisconsin lakes. A shoreland habitat monitoring protocol was developed by the National Lakes Assessment, and will be used more broadly in Wisconsin lakes. Because the NLA shoreland habitat method can be implemented in a short period of time, the future goal is to routinely conduct one survey on all lakes that are monitored, independent of the monitoring objective. WDNR developed a more detailed shoreland habitat survey for lake-specific management actions (e.g., zoning permits, critical habitat designations, habitat restoration efforts, dam regulation, high capacity well permits, etc.). One of the two protocols will be used depending on lake-specific needs and planning stage.

Data Management

As with the LTT Lakes and CLMN programs, water chemistry data are stored in SWIMS. Plant point-intercept data are currently stored on individual computers and in SWIMS. Further capacity for collecting and storing plant and habitat data in SWIMS is underway.

Reporting

Water chemistry data are summarized from the SWIMS database and the WDNR's Lakes website, where summary reports and graphs from SWIMS are available for downloading and review. The data collected for lakes is also summarized on a biennial basis for the purpose of reporting on the status of the state's waters for this report. The data will also be used for key parameter package analyses and statewide condition summaries. New reports need to be developed for plant and habitat surveys and water level data.

Programmatic Evaluation

Directed Lake Surveys will be re-evaluated each work planning cycle.



Lake Level Monitoring

Monitoring Objectives

The objective is to monitor statewide lake-levels over time to address growing concern for health of aquatic life in surface waters due to drought, changing climate, and groundwater withdrawals. Record low water levels in some areas of the state affect both the health of aquatic life and designated use of lakes. As water levels decline, critical littoral habitat for fish and aquatic life is stranded above water in lakes. In some lakes, low water levels have left piers hundreds of feet from shore and rendered boat landings unusable. Although long-term water level records exist, monitoring efforts do not cover all areas of the state.

Monitoring Design

In 2015, WDNR added lake level monitoring to the Citizen Lake Monitoring Network. Professionals (e.g., county surveyors) survey and install staff gages to lakes shortly after ice-out in spring and then survey and remove staff gages in late fall. Citizen volunteers record and report lake levels preferably weekly, but at least monthly. Seventeen lakes began monitoring water levels in summer 2015 as a pilot, and WDNR plans to expand the program. Lakes were prioritized for lake level monitoring based on the following criteria: 1. seepage lakes, 2. regions with little to no existing lake level monitoring data, 3. regions vulnerable to groundwater withdrawal (deep layers of sand and gravel), and 4. lakes monitored by volunteers or WDNR for other parameters. Lake levels have been monitored separately by a variety of entities, including: CLMN, University of Wisconsin (UW) Long Term Ecological Research Program, USGS, USGS index lakes (seepage lakes chosen to represent different regions of the state), county-led projects in the Central Sands area, and

monitoring led by the North Lakeland Discovery Center in Vilas County (Figure 9).

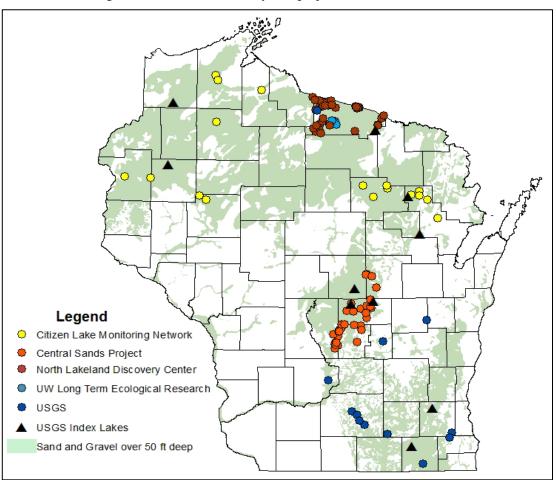


Figure 9. Lake Level Monitoring Sites

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Water Quality Indicators

The sole indicator of water quality in this project is the water level reading from the staff gauge.

Quality Assurance

All staff gauges will be surveyed to at least three reference marks and tied to a datum. This ensures that the data record may continue long into the future even if all reference marks are lost. Water level readings from the staff gage will be converted to feet above sea level to ensure that data are comparable between years. Other elements of the quality assurance plan include:

- Minimum concordance measures when surveying in the staff gauges
- Repeat staff gauge surveys on 10% of lakes by a qualified WDNR staff member
- Verification of citizen-reported water level data (which may entail side-by-side readings, photos of the staff gauge and associated water level, independent water level readings by WDNR staff)
- Trainings for surveying and installing staff gauges
- Trainings for reading water levels on staff gauges
- Data analysis in SWIMS



Stranded woody habitat due to low water levels in Fallison Lake, Vilas County. Photo from WDNR, R. Lathrop.

Data Management

Metadata and water level data will be documented in SWIMS. Metadata will include survey information, GPS locations and datum of reference marks, contact information for surveyors and volunteers, maps, and calculations to convert to feet above sea level. Water level data will be entered into SWIMS by volunteers or by regional coordinators. One challenge will be automating the conversion of raw water level readings to standardized feet above sea level.

Reporting

Water level graphs will be added to the individual lakes pages, and a WDNR water level monitoring webpage will be created. We will also tie our data into a webpage hosted by UW-Madison that graphs and maps lake level data collected by all entities (https://lter.limnology.wisc.edu/lakeinfo/lake-levels-WI).

Programmatic Evaluation

The first program evaluation of lake level monitoring will be in spring of 2016.

Citizen Involvement in Water Monitoring

The WDNR is committed to engaging citizens in helping meet its water monitoring needs. This interest in building information resources through citizen volunteers is shared by DNR's nonprofit partners, local units of government, community-based water management organizations, and citizens across the State.



Citizen Stream Monitoring Network (Water Action Volunteers)

Water Action Volunteers (WAV) Program involves citizen monitors in the collection of stream water quality data that may be used by the WDNR and their partner organizations. Objectives of the program are to educate and empower citizens, to obtain high quality data useful for WDNR decisionmaking, and to encourage data and knowledge sharing. WAV has three levels. Monitoring responsibilities and quality assurance and control measures are more intensive, and data uses shift educational to addressing management and research needs at higher levels. administration comes from UW-Extension and WDNR Statewide Coordinators with support from local program coordinators who are often affiliated with other agencies or non-profit organizations.

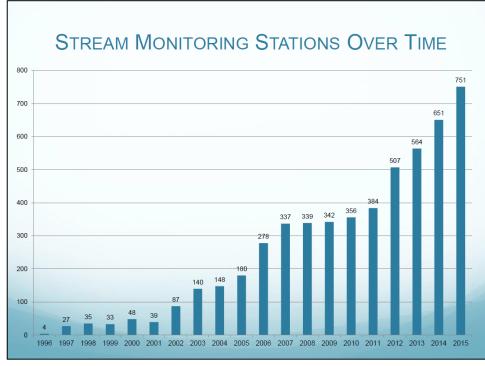


Figure 10. Number of unique stream sites visited by volunteers from 1996 to 2015.

Volunteer stream monitors assess water quality parameters identified in the WDNR's Water Resources Monitoring Strategy for Wisconsin. While volunteers may identify their own sampling locations, in many instances WAV Coordinators, WDNR biologists, or county staff recommend sites based on the need to acquire status or trends information, or other data needs. Volunteers enter their data into the Surface Water Integrated Monitoring System (SWIMS) database by the end of each month and are instructed to immediately report extreme conditions that may be hazardous to aquatic life to their local WDNR or county biologist.

The WAV program has grown steadily throughout its 20 year history (Figure 10). In 2015, volunteers monitored a record 751 unique stream sites (making 4500+ site visits) in 59 counties across the three levels of the WAV program (Figure 11).

Volunteer monitoring of total phosphorus in streams is an example of a very successful Level 3 program. In 2011, the WAV program developed and vetted standardized sampling methods following WDNR guidance, and developed stringent quality assurance protocols. In 2012, WAV partnered with WDNR biologists to pilot the methods with seasoned WAV stream monitors at 12 sites where additional total phosphorus data was needed to confirm impaired waters listings. WAV volunteers completed their total phosphorus monitoring tasks with 100% success (six samples collected according to protocols at every site). The program was expanded in 2013 with continued success, so that in 2014 the WDNR opted to have all total phosphorus monitoring completed by volunteers, thus freeing up WDNR staff-time for other monitoring and data analysis work. A list of about 100 stream sites was developed by WDNR biologists. Experienced WAV volunteers were then matched to 98 of those sites, and carried out monthly monitoring May-October with 99.5% success. In 2015, 150 new volunteers were trained in total phosphorus monitoring protocols. These new monitors, along with returning volunteers, monitored 198 unique stream sites at a 99.7% success rate.



The WAV total phosphorus monitoring and data collection is among the first in which citizens took on stream monitoring tasks that otherwise would have been carried out by WDNR staff. It is estimated that this monitoring resulted in a savings of over \$93,000 from the inception of the program in 2012 through the 2015 monitoring season.

WAV is strengthened and has grown with assistance from partner organizations that help train, equip and support volunteers to monitor streams in Wisconsin. In a 2015 survey, partner organizations (35 of 50 organizations responding) estimated contributions of \$69,500 in 2014 to support WAV monitoring efforts. This is in addition to the estimated value

of their time commitment (an additional \$126,000). On average, for every dollar WDNR and UW-Extension spent to support volunteer stream monitoring, external partners and external competitive grants contributed \$1.12.

Water Action Volunteers 2015 Stream Monitoring Program Stations

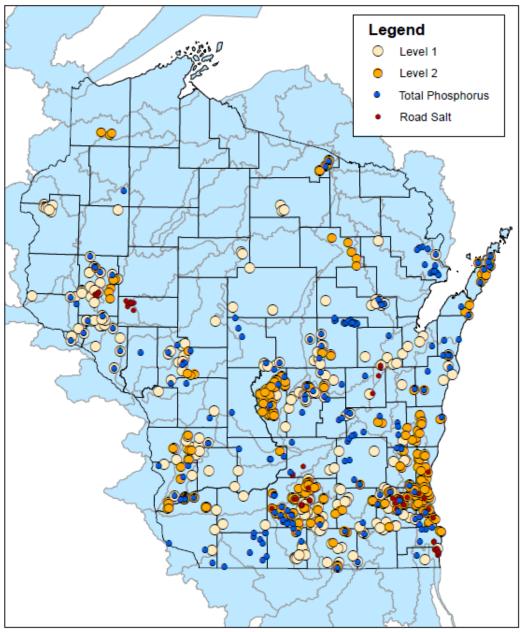


Figure 11. Water Action Volunteer sample sites statewide.



Citizen Lake Monitoring Network

Monitoring Objectives

The Citizen Lake Monitoring Network, the core of the Wisconsin Lakes Partnership, creates a bond between over 1000 citizen volunteers statewide and the WDNR. The goals are to collect high quality trophic status data, to complete water quality assessments on lakes, to educate and empower volunteers, and to share this data and knowledge. 2016 is the 30th anniversary of the CLMN.

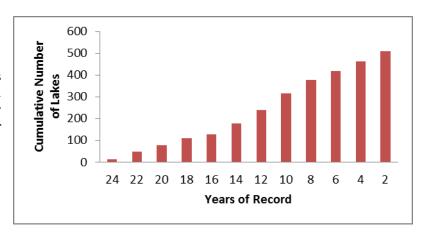


Monitoring Design

Lake selection has primarily been driven by volunteer interest. Approximately 900 lakes are monitored each year for Secchi depth, and the number of "Secchi lakes" continues to increase. Approximately 550 lakes are sampled for water chemistry, and 360 lakes for dissolved oxygen. Water chemistry lakes range in area from 6 - 23,000 acres, with a median area of 213 acres.

Given the costs associated with water chemistry analysis, lake selection for water chemistry is under review. Currently, once a lake begins monitoring water chemistry, it continues indefinitely. Although long-term data are useful, WDNR recommends freeing up resources to allow water chemistry sampling on more lakes. A subset of lakes will be retained for long-term records and the remaining lakes will be committed for 2 years of sampling (minimum needed for assessment) with the possibility to extend monitoring for more years. This will enable WDNR to assess more lakes and align CLMN more closely with other lake monitoring activities (e.g., Directed Lakes and Targeted Watersheds Assessments). Capacity to train and coordinate new volunteers, volunteer satisfaction, record length, and management activities on individual lakes must be considered to decide how many lakes will be monitored short-term. For example, 277 of CLMN lakes with at least 10 years of data could be retained for long-term monitoring (Figure 12). All volunteers collecting Secchi data should continue their efforts as long as possible.

Figure 12. Cumulative number of CLMN lakes that have been monitored for Total Phosphorus. This distribution may be used to determine how many lakes to retain for long-term water chemistry monitoring.



Water Quality Indicators

Volunteers measure water clarity using a Secchi disk. This information is then used to determine the lake's trophic state. A subset of volunteers also collects water temperature and dissolved oxygen profiles, and total phosphorus and chlorophyll- *a* from the epilimnion. They adhere to the same protocols as the LTT Lakes program, but do not collect a spring water sample. In addition, volunteers on approximately 300 lakes watch for the first appearance of AIS such as Eurasian Water Milfoil and zebra mussels.

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Quality Assurance

- Field Protocols can be found in the following links:
 - o Wisconsin Citizen Lake Monitoring Manual Water Quality (3rd Edition revised 2009)
 - o Wisconsin Citizen Lake Monitoring Manual Chemistry Procedures (3rd Ed revised 2013)
 - o Wisconsin Citizen Lake Monitoring Manual AIS monitoring (revised 2014)
- Replicates and blanks on 10% of samples
 - o Quality Assurance Sampling Protocol CLMN 2013
- Volunteer Training by WDNR staff
- SLOH QA Processes
- SWIMS Data flow QA checks and Data Management

Targeted Watershed Assessments

Targeted Watershed Assessments monitoring provides a targeted watershed framework for baseline data collection that blends baseline work with targeted and effectiveness monitoring.

Monitoring Objectives

The goal of targeted watershed assessments is to identify attainment status and changes in water quality in response to land management practices. Initially, the focus of monitoring will be on streams, but lakes and wetlands will also be monitored in some targeted watersheds. The Targeted watershed approach aligns resource monitoring by watershed at HUC 12 or HUC 10 scale. An additional value of this type of monitoring is the prospect of aligning volunteer monitoring with staff work to fill in gaps (spatial, temporal), conduct follow-up monitoring (TP sampling, AIS monitoring), collect strategic data (such as near permit outfalls, etc.) and to gather data that results in prioritization of new sites based on results. This approach can involve alignment and sequencing of monitoring, assessment, planning, implementation (i.e. watershed planning framework).

Monitoring Design

The TWA design involves monitoring at the HUC 12 scale (~29-mi²). Approximately five to seven sites may be sampled per watershed (HUC 12) (1 site/5-mi²), at which chemistry, macroinvertebrates, fish, habitat, and flows/water levels. These core indicators will be supplemented by intensification areas at pour point including six grabs samples, one per month from May through October. Lakes will also be monitored in the Targeted Watershed when nutrient loading is a concern and/or when land management practices are in play. Water quality issues in lakes will often drive the interest in monitoring the condition of streams in the watershed and TWAs will integrate these two waterbody types.

Water Ouality Indicators

Table 9: Targeted Watershed Approach Indicators					
Parameter	Analysis Location	Database	Assessment Indicator		
Chemistry Data	State Laboratory of Hygiene	Horizon (SLOH) To LDES to SWIMS	TP Package, chlorides package, and others. (WisCALM Assessment)		
Macroinvertebrate IBI Substrate Sample	UW Stevens Point Entomology Laboratory	UWSP to SWIMS	Wadeable Macroinvertebrate Index (WisCALM Assessment)		
Physical parameters	In Field	Fish DB or SWIMS	Physical (flow) Data		
Fish Electroshock – Fish species present, count	In Field and Fish DB	Fisheries Database	Fish IBI (dependent on natural community). (WisCALM Assessment)		



Habitat (qualitative) Metrics In Field and Fish DB Fisheries Database Habitat Suitability Index

Other water quality parameters are collected based on situational factors, such as discharges, site specific pollutants or other factors. Additional parameters commonly collected include conductivity, pH, alkalinity, color, low level metals and the nitrogen series. Given resources in-stream permit compliance, and intermittent/ephemeral stream will be sampled.

Follow-up Monitoring

Project Description

Follow-Up monitoring is a "placeholder" monitoring program that reserves project funding in order to monitor for 303(d) assessments. Many of Wisconsin's water quality standards (WQS) require multiple visits (multiple days, months or years) to make an assessment decision. Every year sites are monitored, through a variety of monitoring programs, with minimal data collection that is used to "flag" problem waters. Hence, some staff time and project funding are required every year to follow up on "flagged" waters where the data suggest there is an impairment but there are insufficient data to make that determination based on the State's minimum data requirements. Follow Up monitoring project funds may be used to 1) meet minimum data requirements for "flagged" parameter or 2) used to monitor and identify possible stressors when biology is "Poor".

The process for Follow-Up monitoring includes Central Office staff members developing an initial priority list of sites and parameters to be monitored by field staff. Field staff review the list every winter and prioritize among the sites in their area as "high", "medium" or "low" priority. Field staff make these determinations based on data representativeness (flood sample, gear breakdown, etc.), data appropriateness (IBI applied to wrong Natural Community, etc.) and their own scheduled work (are staff conducting other work the area, etc.). Central Office staff release the final site list to Field staff through the Monitoring Activity Sheets.

Project History

Follow-Up monitoring was historically driven by the "Local Needs" (or Competitive Projects) process where District staff identified waters needing additional data for impairment decisions. In 2013, a program was supported by an EPA Monitoring Initiative Grant to fund additional data collection at a number of stream sites. These sites were identified as phosphorus 5P "Watch Waters" where either TP and biology data were not representative of the site (i.e. flooding issues) or biologic data were missing for bioconfirmation of a TP impairment (see Section 7.4 of WisCALM). In 2014, the Follow-Up monitoring program was deployed as an extension of the 5P monitoring project, with many of the same parameters monitored. The future of Follow-Up monitoring will likely include total phosphorus and biology monitoring, but will also be expanded to other parameters based on assessment needs. In past iterations of this program WDNR and Water Action Volunteers (WAV) have been able to cooperatively sample a single site. This may be a possibility in the future as well. For example, WAV members may be able to collect monthly TP while WDNR biologists collect fish and/or macroinvertebrate samples.



C2. 2016 Assessment Methodology

Data Used for Assessments

Data used for assessment include quality assured data submitted by the public and from WDNR's monitoring program. All data used for assessment must meet WDNR's quality assurance requirements. WDNR also determines whether available data are representative of the conditions.

WDNR data

WDNR created and manages two databases that house WDNR monitoring data and other information to be used for assessment and impairment decisions. The Surface Water Integrated Monitoring System (SWIMS) database contains chemical (water, sediment), physical (flow), and biological (macroinvertebrate, aquatic invasive) data collected for CWA programs. Data in SWIMS are shared through the federal Water Quality Exchange Network, which is an online federal repository for all states' water monitoring data.

The second WDNR database is the Water Assessment, Tracking and Electronic Reporting System (WATERS) database, which was implemented in 2004 and contains:

- Program Objectives, Goals, Performance Measures, and Success Stories;
- CWA Use Designations and Classifications (NR102, NR104);
- Outstanding and Exceptional Resource Waters Designations (NR102);
- CWA assessment data, including decisions regarding a waterbody meeting its attainable use or whether or not the waterbody is considered "impaired";
- Impaired waters tracking information, including the methodology used for listing, the status of the TMDL development, and restoration implementation work;
- Fisheries Trout Classifications (Administrative Code, NR 1.02(7)); and
- Watershed planning recommendations, decisions, and related documents.

The WATERS and SWIMS databases are closely integrated. Within WATERS, summary values and specific information behind the assessment decisions are linked directly to the monitored waters. Data to be used in assessment and impairment decisions are pulled from the SWIMS and WATERS databases, according to the period of record and minimum data requirements that are outlined in WisCALM.

Public data

In addition to WDNR's monitoring data described above, public data are also gathered and considered for use in assessments through an active data solicitation process. Every two years, the WDNR requests that citizens and interested groups submit their surface water data (biological, chemical, and physical). Data meeting specified requirements were evaluated, along with WDNR-collected data, to assess the quality of the state's water resources. Data were accepted from the public from December 16, 2014 – January 15, 2015, and WDNR received information / data submittals from nine entities during the data solicitation period:

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Capital Area Regional Planning Commission

Submitter provided a map of satellite imagery of Beaver Lake in Waukesha County showing what appears to be eutrophic conditions, significantly more so that neighboring lakes, based on the green color of the lake in the image. WDNR reviewed available data for this lake and noted the waterbody is not currently considered impaired. Only satellite-derived Trophic State Index (TSI) data were available it was included in the 2014 Integrated Report assessments (TSI=34, Oligotrophic). Historic phosphorus data was available (from 1995), but not considered to be representative of current conditions. Local biologists were contacted to inquire about any additional information they had regarding the lakes trophic status. WDNR may pursue monitoring of this lake for TSI parameters in the future.

Green Lake Sanitary District

Submitted data was a copy of the lake association's newsletter. Additional water quality data was not provided in required format or readily available. Green Lake is currently listed as impaired for the following pollutants: polychlorinated biphenyls (PCBs) and total phosphorus (TP). This lake was assessed during the 2014 assessment cycle; TP sample data exceeded 2014 WisCALM listing thresholds, but chlorophyll data did not. Dissolved oxygen levels were also assessed and determined to be an impairment in 2014. Because water quality data was not provided in the required format in the submittal, WDNR considered this information supplementary for assessments of water quality of Green Lake for the 2016 IR.

Rock River Coalition

The submitted dataset was total phosphorus sample data analyzed by the Madison Metropolitan Sewerage District. WDNR found that it meets our data requirements for assessment and for uploading to our Surface Water Integrated Monitoring System (SWIMS) database, and included this data in our assessments.

Kewaunee CARES

Analytichem LLC, registered in Wisconsin thru 12/31/2014 as WDATCP No. 115205-D3, conducted the analyses and provided reports to the Kewaunee CARES organization. Nitrate, Total Phosphorus (TP), and *E. coli* / Total Coliform data collected from streams/rivers were submitted; however, only TP data were assessed due to lacking assessment methods or criteria for other parameters.

Lac Courte Oreille Lake Association

Submitter provided analytical and profiling data for Whitefish Lake, Sawyer County (WBIC 2392000; station number 583088) for the period 2010-2014 and for Lac Courte Oreilles-Sawyer County (WBIC 2390800) for years 2010 and 2011. This monitoring work was completed by the Lac Courte Oreilles Band of Lake Superior Chippewa Conservation Department (LCOCD) as part of LCOCD's routine monitoring of reservation waters and was conducted in accordance their provided Quality Assurance Project Plan. The submittal met WDNR data requirements for assessment and for uploading to our Surface Water Integrated Monitoring System (SWIMS) database, and was included in our 2016 assessments.

Northland College

With the data and quality assurance documentation submitted during the impaired waters list public comment period by Northland College for South Fish Creek and other tributaries to Chequamegon Bay, WDNR was able to assess these waters. South Fish Creek, Bay City Creek, and the Unnamed Tributary to South Fish Creek exceeded total phosphorus (TP) criteria of 75 µg/L. Associated biology (macroinvertebrate and/or fish indices of biological integrity) were not impaired for South Fish Creek and the Unnamed Tributary so these waters were proposed for listing based on TP alone

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(Category 5P). Bay City Creek had a macroinvertebrate index of biological integrity score in the "poor" condition category, so this water was proposed for a TP/Degraded Biological Community listing (5A).

Bad River Watershed Association

Dissolved oxygen, pH, and water temperature data were submitted. Temperature data met data requirements and were assessed.

River Alliance of Wisconsin

The River Alliance of Wisconsin submitted a letter jointly with Friends of the Tomorrow-Waupaca River and Trout Unlimited's Frank Hornberg Chapter, providing suggestions about data for use in assessments and updating the impaired waters list. The data sources were reviewed and used in several stream temperature assessments.

Cheryl Elkinton

Submitter provided several comments regarding the type of assistance or additional support needed to assess water quality. No water quality data were submitted for specific waterbodies.

Assessment Methodology

Once WDNR gathers existing and readily available data for assessments, those data are summarized and compared to components of the water quality standards. Wisconsin Statutes Chapter 281 authorized WDNR to establish water quality standards that are consistent with the CWA. Wisconsin's water quality standards include designated uses, numeric/narrative criteria, and antidegradation provisions, which are contained in Wisconsin Administrative Code Chapters NR 102, 103, 104, 105, 207, and 217. The state is responsible for assigning designated uses and conducting periodic assessments of these uses on individual waterbodies. Implementation of our surface water quality standards is described in various guidance documents, including guidance on assessment of surface water designated use attainment using chemical, physical and biological data collected.

WDNR's water quality assessment goal is to use clearly defined, publicly accessible methods for collection and analysis of data to ensure defensible assessment decisions. To this end, the WDNR built upon its 2014 assessment methodology work by creating a revised *Wisconsin Consolidated Assessment and Listing Methodology* (WisCALM) to conduct assessments in 2016 for determining the attainment of designated uses.

For 2016 the following components of WisCALM were revised:

- Methods for assessing the Public Water Supply Designated Use were added.
- Corrections and clarifying language was added to Section 4.6 Lake Impairment Assessment: Public Health and Welfare Uses.
- References were added to incorporate the stream/river Natural Community validation process.
- A minor revision of the stream/river total phosphorus (TP) assessment method and associated assessment automation was incorporated in existing guidance.
- Total phosphorus (TP) delisting protocol was incorporated.
- Guidelines for assessment unit delineation were added.

Through 2006, WDNR provided its statewide water quality assessment and narrative Water Quality Assessment Report to Congress as required by Section 305(b) of the CWA and its list of impaired waters as required by Section 303(d) of the



CWA as two separate products. In 2008 the WDNR worked with the EPA to integrate its mainframe database for 305(b) and 303(d) assessment submittals. This data integration process was the first step for Wisconsin to provide an integrated assessment and listing report.

C3. Statewide Water Condition Results

Results of Probability-based Designs

Lakes

In recent years the EPA has instituted a National Aquatic Resource Assessment program. The program assesses aquatic resources on a 5 years rotational basis. Lakes were assessed in 2007 and 2012. The next survey will be in 2017. The goal of the survey is to address two key questions about the quality of the Nation's lakes, ponds, and reservoirs:

- What percent of the Nation's lakes are in good, fair, and poor condition for key indicators of trophic state, ecological health, and recreation?
- What is the relative importance of key stressors such as nutrients and pathogens?

The sampling design for this survey is a probability based network which will provide statistically-valid estimates of the condition of all lakes with known confidence. Samples sites were randomly selected throughout the conterminous U.S. A total of 1028 lakes were sampled. Wisconsin sampled 50 lakes. This number was greater than originally selected by the EPA (28) but the additional lakes strengthened the statistical inferences for the state. In 2007, the lakes that were chosen were at least four ha in size and had a maximum depth of at least 1m. For the 2012 assessment the minimum lake size was reduced to one ha.

In 2007, the most widespread stressors were those that affect the shoreline and shallow water areas. In Wisconsin there were fewer lakes rated as poor for the lakeshore habitat metric compared with all lakes nationally. The number of lakes in Wisconsin rated as poor for the metrics physical habitat complexity and lakeshore disturbance was similar to lakes nationally. While these metrics are not yet available for the 2012 assessment, it is likely they will, again, be the most widespread stressors.

Comparing the trophic status of Wisconsin lakes (chlorophyll-*a* and total phosphorus) in 2007 vs 2012, there were fewer oligotrophic lakes in 2012 and more eutrophic and hypereutrophic lakes in 2012. Recreational indicators (microcystin and chlorophyll-*a*) also indicated worse water quality in 2012 compared with 2007. The biological condition of the lakes in 2012 also appeared to be worse with fewer lakes classified as good condition (Figure 13). There were similar numbers of lakes in poor condition but the number of lakes in fair condition in 2012 was much greater than in 2007.

Were Wisconsin lakes really in worse condition in 2012 compared with 2007? Ten lakes that were sampled in 2007 were also sampled in 2012. The trophic variables of these lakes were generally similar both years. About 52 lakes in Wisconsin have been sampled annually for the last 25 years for trophic variables. Unlike the NLA, these lakes were not randomly chosen. Comparing these lakes in 2007 and 2012, their water quality was similar both years. It appears the reason for the conclusion from the NLA that water quality was worse in Wisconsin lakes was worse in 2012 was the result of the lakes chosen. Even though lakes were randomly chosen in both years, the lakes in 2012 tended to be shallower and smaller in size (Figure 14). In 2012, the minimum lakes size was reduced but removing lakes that are smaller than four ha does not change the conclusions.



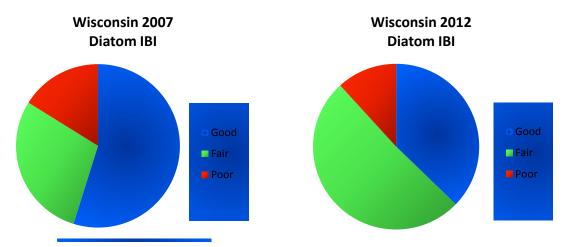
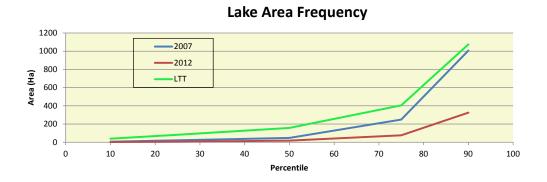


Figure 13. Comparison of biological condition as determined using surface sediment diatoms. The biological condition is worse in 2012 compared with 2007.



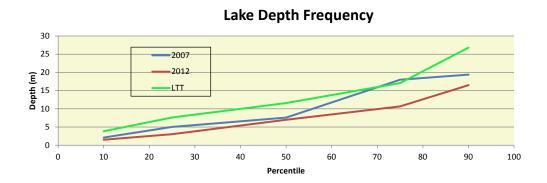


Figure 14. Lakes sampled in 2012 tended to be smaller in size and shallower. The DNR Long Term Trend lakes (LTT) were not randomly chosen. These lakes tended to be larger and deeper than the NLA lakes.

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Rivers

In 2003, 2008 and 2013 the WDNR took part in three statistically valid surveys of the Nation's rivers and streams led by the EPA: the 2003 Wadeable Stream Assessment and the 2008 and 2013 National Rivers and Streams Assessments. The sampling designs for the National surveys were a probability based network that provided statistically valid estimates of conditions for the population of rivers and streams across the United States with a known confidence.

In 2010-2013 the WDNR began a similar monitoring program to conduct a detailed assessment of the condition of wadeable streams across the State using a probabilistic design called the Natural Community Stratified Random (NCSR) monitoring program. The Wisconsin project design included monitoring at 548 sites over four years that was spatially stratified to cover the entire stream, geographic and land use types found throughout the State. By using a probabilistic design the WDNR was able to use the results to determine the condition of Wisconsin's wadeable streams in a statistically valid manor. The results of this analysis provide a clear assessment of the physical, chemical and biological quality of wadeable, perennial streams across the State.

Overall, we found that in the majority of Wisconsin's wadeable streams there was not a water quality problem as assessed by biologic condition, although results varied regionally. These results indicate that the condition of fish assemblages in wadeable streams is slightly worse than the condition of macroinvertebrate assemblages (32% compared to 14% to 22% in Poor condition). There were strong spatial differences where the northern most Ecoregion in the State, the NLF, consistently had fewer Poor biologic condition scores and environmental stressor scores than the rest of the State. The major difference in this part of the State can probably be attributed to land use intensity. The land use in the NLF is comprised of ~7% agriculture and ~4% urban while the rest of the State is ~48% agriculture and ~7% urban. The large north to south disparity in agricultural land use intensity is likely the driving force in regional patterns of stream quality across Wisconsin.

The pattern of water quality degradation in Ecoregions with high anthropogenic land use was also found in a probabilistic survey of Minnesota's wadeable streams. Data from Minnesota should be comparable to Wisconsin as the two states share many geophysical and land use characteristics. In addition, three of Wisconsin's Omernik Level III Ecoregions are shared with Minnesota (http://www.epa.gov/wed/pages/ecoregions/level iii iv.htm). There is also a strong north to south gradient in land use intensity, especially agriculture, in both States. Minnesota found that nearly twice as many stream miles were found in Poor biologic condition for macroinvertebrate and fish assemblages in the heavily agricultural southern Temperature Prairies Ecoregion than the northern, heavily forested, Mixed Wood Shield Ecoregion (30-52% and 37-66%, respectively). Minnesota attributed the reduced biologic condition to a combination of direct impacts such as drainage practices (i.e. channelization, modified habitat) and indirect processes, such as increased runoff leading to increased nutrient and sediment loading. Considering the high RR scores in our study for total phosphorus, nitrogen, TSS and physical habitat these are likely the prevailing mechanisms connecting land use practices to Poor environmental stressors and Poor biologic condition estimates in Wisconsin streams.

Results across States are not always comparable as States generally use different methods for data collection, analysis and interpretation. In order to get a Nationwide assessment the EPA conducted the National Rivers and Streams Assessment (NRSA), a probabilistic survey using consistent methods across the contiguous United States. The data collection and analytical methods used in the NCSR study are different than those used in the EPA's NRSA. However, interpretation of the data was similar so we can make generalizations about the condition of Wisconsin's streams from this study to the Nationwide estimates in the EPA's NRSA.

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Compared to the Nationwide estimates for stream condition from the EPA's NRSA Wisconsin's stream condition is similar or slightly better condition to the rest of the Nation. Macroinvertebrates were found in Poor condition for 55% (IBI) and 17% (O/E) for the Nationwide estimate. Wisconsin's estimates were better with 14% (mIBI) and 22% (O/E) in Poor condition Statewide. Fish condition was also slightly better for the Wisconsin estimate than the Nationwide estimate at 32% to 36%, respectively. Examining environmental stressors we found those that impact Wisconsin are also some of the most prevalent across the nation. Total phosphorus and total nitrogen were two most prevalent stressors in the Nationwide estimates followed by several measures of physical habitat. The EPA's NRSA further divided the nation into three climatic regions generally based on Ecoregions. In terms of biologic condition the eastern and midwestern U.S. generally scored in worse condition than the western U.S. These results likely follow broad nationwide patterns of population and land use that were observed at a smaller scale within Wisconsin.

Lake Trophic Status

General Condition Assessments for Wisconsin lakes report whether each lake is in Excellent, Good, Fair, or Poor condition at a point in time. These assessments are based on the Trophic Status Index (TSI), which characterizes lake productivity using chlorophyll-a, Secchi depth, or satellite data. Chlorophyll-a, the photosynthetic pigment in algae, is the most direct measure of lake productivity and the preferred method of assessment. Secchi depth measures water clarity and is generally deeper in less productive lakes. Water clarity can also be estimated by the spectra of colors observed from satellite imagery. Although chlorophyll-a more directly measures lake productivity, it is also the most costly to collect and is available on the smallest amount of lakes. Secchi depth is collected on a large number of lakes by citizen volunteers, and satellite data is obtained on approximately 8,000 lakes greater than 5 acres in area each year.

Because satellite data are available for the majority of lakes in the State, WDNR can now complete a much more comprehensive assessment of Wisconsin's lakes. The satellite image data are converted to Secchi depth values, which measure water clarity, and by inference, a lake's trophic state. To determine how satellite data should correctly be interpreted, citizen volunteers measured Secchi depths on lakes around the State and researchers used those findings to calibrate equations that estimate Secchi depth from satellite data. The satellite-based TSI is calculated using the estimated Secchi depth values.

A total of 4,506 lakes and 915,829 lake acres were assessed for TSI in 2013-2014 (Table 10). Most lakes assessed for TSI used satellite data. All three types of data (chlorophyll-*a*, Secchi depth, and satellite) are sometimes available for a single lake. Chlorophyll-*a* data, the most accurate but also most time-consuming assessment tool, is always prioritized over the other data types for reporting, and Secchi depth has second priority. Chlorophyll-*a* was used to assess 9% of TSI assessed lakes and Secchi was used for 4% of TSI assessed lakes. In total, General Conditional Assessments were conducted on 85% of Wisconsin's lake acres.

Table 10. Number of lakes and number of lake acres assessed by method using Lake Trophic Status Index.

Table 10. It differ of lakes and frame of the actes assessed by method using Lake It opine Status ind								
TSI Analysis Tool	# Lakes	% of TSI	# Lake	% of TSI	% of All Lake			
	Assessed	Assessed	Acres	Lake Acres	Acres Assessed			
		Lakes	Assessed	Assessed				
Satellite	3,920	87%	494,272	54%	46%			
Secchi	202	4%	77,340	8%	7%			
Chlorophyll-a	384	9%	344,217	38%	32%			
Total TSI Assessed	4,506	100%	915,829	100%	85%			
Lakes								



Most lakes were in Good or Excellent condition (Table 11). Although a small proportion of assessed lakes were in Poor or Fair condition, this still amounted to 482 lakes. By acreage, 37% of lakes are in fair or poor condition, meaning that most of the fair or poor lakes are fairly large and are likely of statewide importance. Of those that were considered Poor, some but not all are designated as Impaired if there are enough data to warrant listing under the WisCALM criteria. The condition of 926 lakes is unknown either because the lakes' natural community type is unknown or it is small. Criteria based on TSI vary by lake type and are undefined for small lakes.

Table 11. Condition of all lakes assessed with the Trophic Status Index by number and by area.

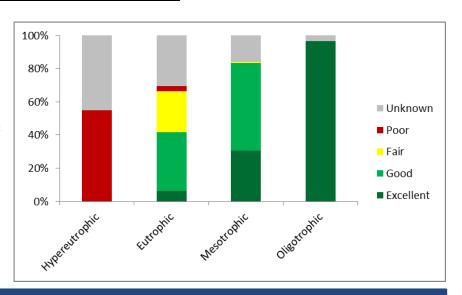
Condition	# Lakes	% of TSI	# Lake Acres	% of TSI Lake	% of All Lake
	Assessed	Assessed Lakes	Assessed	Acres Assessed	Acres Assessed
Excellent	1,167	26%	190,182	21%	18%
Good	1,931	43%	305,632	33%	28%
Fair	395	9%	274,447	30%	25%
Poor	87	2%	66,635	7%	6%
Unknown*	926	21%	78,933	9%	7%
Total	4,506	100%	915,829	100%	85%

In general, low productivity lakes (e.g., oligotrophic) are more likely to have Excellent water quality, but it is possible to have Excellent water quality in all but hypereutrophic lakes. Of the State's 69 Hypereutrophic lakes, all have Poor or unknown quality. Eutrophic lakes, however, are often naturally occurring and span the range from Excellent to Poor water quality, with the majority in the Good to Fair categories. Only 21 of the State's mesotrophic lakes are Fair, and all oligotrophic lakes are Excellent (Table 12).

Table 12. Number of lakes in poor to excellent condition by trophic status.

Condition	Hypereutrophic	Eutrophic	Mesotrophic	Oligotrophic
Excellent		95	816	256
Good		535	1396	
Fair		374	21	
Poor	38	49		
Unknown*	31	463	423	9
Total	69	1516	2656	265

Figure 15. Percent of all assessed lakes in Excellent to Poor condition based on the Trophic Status Index. Unknown condition occurs when a lake is small or has no natural community type assigned.





Results of Statewide Condition Assessments

The State has over 88,000 miles of streams and nearly 47,000 miles, approximately 53%, are entered into the assessment database. WDNR generally prioritizes the collection and entry of water information for waters within watershed planning areas, or waters within areas that are showing degradation or impairment. As resources allow, additional waters will be monitored and updated in the assessment database to ensure the documentation of the State's water conditions are as comprehensive as possible.

Each waterbody is assessed for multiple designated uses depending on the available data. For a description of each designated use please see the <u>Water Quality Standards section</u> of this report. Below are summaries of the designated use support for each waterbody type in the state. The tables show how many miles or acres of the resource were assessed or not assessed, and of those assessed, how many are Fully Supporting, Supporting, or Not Supporting each of the four Designated Uses. For EPA summarization purposes the condition levels of Fully Supporting and Supporting should be considered "fully supporting".

Lakes – The Fish and Aquatic Life (FAL) use was the most assessed for lakes, with only 14% of the lake acreage in the database unassessed (Table 13 and Figure 16). A total of 56% of lake acres supported FAL use. Data for FAL use assessments were robust because of contributions by citizen volunteers and the ability to use satellite data (see the <u>Citizen Involvement section</u> for more information). Citizen volunteer work has also helped assess Recreation Use (REC); in 2012 68% and in 2014 59% of lake acres went unassessed for REC. In 2016 only 52% were unassessed. There were 14% of acres supporting and 34% not support REC.

Table 13. Summary of Designated Use Support for Lakes - Acres							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption	10,244.98	18,344.24	246,564.38	680,383.33	955,536.93		
Fish and Aquatic Life	203,649.58	334,914.00	283,540.11	133,433.24	955,536.93		
Public Health and Welfare		131,871.09		823,665.84	955,536.93		
Recreation	134,023.95	1,036.38	328,441.17	492,035.43	955,536.93		

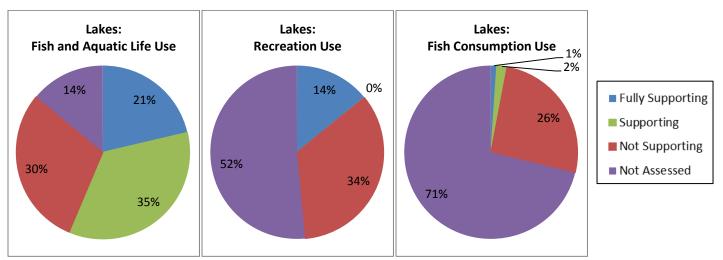


Figure 16. Percentage of lake acres supporting three different designated uses.



Impoundments – Over half of all impoundment acres do not support Fish and Aquatic Life, Recreation, and Fish Consumption uses (Table 14 and Figure 17). Nearly all impoundment acres in the database were assessed for Fish and Aquatic Life use.

Table 14. Summary of Designated Use Support for Impoundments - Acres							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption	13,370.21	9,654.00	68,545.43	31,641.90	123,211.54		
Fish and Aquatic Life	19,173.99	24,817.46	75,139.19	4,080.90	123,211.54		
Public Health and Welfare				123,211.54	123,211.54		
Recreation	4,209.48	64.55	83,662.96	35,274.55	123,211.54		

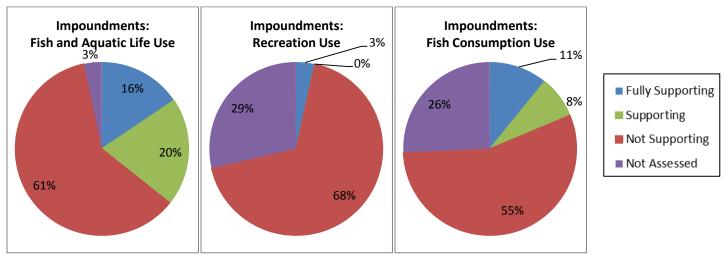


Figure 17. Percentage of impoundment acres supporting three different designated uses.

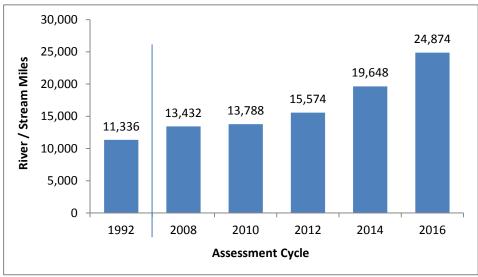
Bays/Harbors – Bays and harbors are a part of lakes and impoundments and there are more in the state than represented in Table 15 below. Bays and harbors are generally only distinguished for assessment when there is an impairment, which is reflected by the high amount of acreage that is not supporting for most uses.

Table 15. Summary of Designated Use Support for Bays/Harbors - Acres							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption			19,971.73	6,891.01	26,862.74		
Fish and Aquatic Life	1,027.33	82.95	20,827.36	4,925.10	26,862.74		
Public Health and Welfare		140.57	5,902.36	20,819.81	26,862.74		
Recreation			856.59	26,006.15	26,862.74		

Rivers/Streams, and Riverine Backwaters – There are approximately 88,000 stream miles in Wisconsin but only about half are in the WATERS database (Table 16). The number of miles that have been assessed has greatly increased over time (Figure 18). This increase is a combination of increased volunteer monitoring (Figure 2) and improved assessment methodology. Beginning with the 2014 cycle more of the biological data was used to assess waters. The majority of river/stream assessments are for the Fish and Aquatic Life (FAL) use and 14% of miles are considered not supporting (Table 16 and Figure 19). A full 39% of FAL assessments supported the use.



Table 16. Summary of Designated Use Support for Rivers/Streams - Miles						
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size	
Fish Consumption	67.00	120.63	1518.79	45,247.73	46,954.17	
Fish and Aquatic Life	12,154.45	5,955.77	6,764.75	22,079.74	46,954.17	
Public Health and Welfare				46,954.15	46,954.17	
Recreation	4.24	9.33	155.62	46,784.96	46,954.17	



Rivers/Steams:
Fish and Aquatic Life Use

26%

Supporting
Not Supporting
Not Assessed

Figure 18. The number of river/stream miles that have been assessed in past assessment cycles.

Figure 19. Percentage of river/stream miles by use support for the 2016 Fish and Aquatic Life use assessments.

Great Lakes Shoreline – Wisconsin has over 1,000 miles of Great Lakes Shoreline, with only a fraction of those shoreline miles considered assessed for Fish Consumption uses (Table 17). A little over 100 miles is considered supporting Fish and Aquatic Life use.

Table 17. Summary of Designated Use Support for Great Lakes Shoreline - Miles						
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size	
Fish Consumption			268.33	700.00	968.33	
Fish and Aquatic Life		112.32		856.01	968.33	
Public Health and Welfare				968.33	968.33	
Recreation				968.33	968.33	

Great Lakes Beaches – REC use is the only use assessed for Great Lake beaches. Wisconsin has approximately 55 miles of public beach and a total of 192 coastal beaches along the shores of Lake Michigan and Superior. Of these, 17.33 miles are considered not supporting REC use (Table 18).

Table 18. Summary of Designated Use Support for Great Lakes Beaches - Miles						
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size	
Fish Consumption				45.89	45.89	
Fish and Aquatic Life				45.89	45.89	
Public Health and Welfare				45.89	45.89	
Recreation	24.9	3.66	17.33		45.89	



Inland Beaches – Inland beaches are underrepresented in the State's assessment database as these areas are added when an impairment is found to exist. REC use is the only use assessed for inland beaches. Of the 11.08 miles in the assessment database, 8.02 miles (72%) are considered fully supporting and 1.7 miles (15%) are considered not supporting REC use.

Table 19. Summary of Designated Use Support for Inland Beaches - Miles							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption				11.08	11.08		
Fish and Aquatic Life				11.08	11.08		
Public Health and Welfare				11.08	11.08		
Recreation	8.02	0.14	1.7	1.22	11.08		

Springs – The State has many known or suspected springs, few of which are documented in the WATERS database. For the purpose of assessment, many of these springs are classified as "small lakes' or "shallow headwaters" and thus are assessed using the TSI general assessment protocols.

Table 20. Summary of Designated Use Support for Springs - Acres							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption				1,500.79	1,500.79		
Fish and Aquatic Life	201.52	545.64	37.00	716.63	1,500.79		
Public Health and Welfare				1,500.79	1,500.79		
Recreation	8.00		37.00	1455.79	1,500.79		

Wetlands – Few of the state's wetlands have been assessed for the 303(d) process. Assessment methods and tools have been developed for wetland assessments but these methods require a great deal of professional expertise to carry out. New assessments have not been entered into the WATERS database in several cycles.

Table 21. Summary of Designated Use Support for Wetlands - Acres							
Use Category	Fully Supporting	Supporting	Not Supporting	Not Assessed	Total Size		
Fish Consumption				5,011,450.45	5,011,450.45		
Fish and Aquatic Life		5,009,989.00	1,000.00	461.45	5,011,450.45		
Public Health and Welfare				5,011,450.45	5,011,450.45		
Recreation				5,011,450.45	5,011,450.45		



Five-Part Categorization

The EPA encourages States/Tribes to use a five-category system for classifying all water bodies (or segments) within its boundaries regarding the waters' status in meeting the State's/Tribe's water quality standards (Table 22). The classification system is based on designated uses for reporting on water quality. Each waterbody and designated use combination is assigned a reporting category.

Table 22: EPA Integrated reporting categories.

Category/ Subcategory	Description	
Category 1	ategory 1 All designated uses are supported, no use is threatened.	
Category 2	Available data and/or information indicate that some, but not all, designated uses are supported.	
Category 3	There is insufficient available data and/or information to make a use support determination.	
Category 4	Available data and/or information indicate that at least one designated use is not being supported or is threatened, but a TMDL is not needed.	
Subcategory 4a	A State developed TMDL has been approved by EPA or a TMDL has been established by EPA for any segment-pollutant combination.	
Subcategory 4b	Other required control measures are expected to result in the attainment of an applicable water quality standard in a reasonable period of time.	
Subcategory 4c	The non-attainment of any applicable water quality standard for the segment is the result of pollution and is not caused by a pollutant.	
Category 5	Available data and/or information indicate that at least one designated use is not being supported or is threatened, and a TMDL is needed.	

WDNR has further refined subcategories. Category 5 (waters not meeting water quality standards and a TMDL is needed) subcategories distinguish among differing types of impaired waters and TMDL priorities. WDNR created 5B to identify waters impaired by mercury mainly from atmospheric sources. Within the last three assessment periods, WDNR has added additional subcategories under Category 5. These additional subcategories are defined in Table 23.

Table 23: WDNR's Integrated Reporting subcategories for impaired waters requiring TMDLs.

Subcategory	Definition
Category 5A	Available information indicates that at least one designated use is not met or is threatened and/or the anti- degradation policy is not supported, and one or more TMDLs are still needed. This is the default category for impaired waters.
Category 5B	Available information indicates that atmospheric deposition of mercury has caused the impairment and no other sources have been identified.
Category 5C	Available information indicates that non-attainment of water quality standards may be caused by naturally occurring or irreversible human-induced conditions.
Category 5P	Available information indicates that the applicable total phosphorus criteria are exceeded; however, biological impairment has not been demonstrated (either because bioassessment shows no impairment or because bioassessment data are not available).
Category 5W	Available information indicates that water quality standards are not met; however, the development of a TMDL for the pollutant of concern is a low priority because the impaired water is included in a watershed area addressed by at least one of the following WDNR-approved watershed plans: adaptive management plan, adaptive management pilot project, lake management plan, or Clean Water Act Section 319-funded watershed plan (i.e., nine key elements plan).



Table 24 shows how many miles or acres for each waterbody type are in each listing category. Any water in Categories 4 or 5 are considered impaired. Over 50% of assessed river/stream miles, beach miles, and lake acres were placed in Category 2 because at least one designated use was supported (Figure 20). These waters are not considered impaired. Of the impaired river miles, lake acres, and impoundment acres the majority require a TMDL.

Table 24: Waterbody miles and acres in each listing Category. Wisconsin does not have any waters in Categories 1, 4B, 4C, or 5W.

Waterbody	Category			Total				
Type	2	3	4A	5A	5B	5C	5P	Total
River/stream (miles)	13,006.93	26,319.22	790.57	4,726.89	27.07	17.61	2,065.88	46,954.17
Lake (acres)	410,221.60	149,589.68	24,625.22	302,636.98	46,117.04	7,871.41	14,475.00	955,536.93
Impoundment (acres)	16,478.05	6,891.02	4,353.90	82,228.96	12,587.37		672.24	123,211.54
Beaches (miles)	36.72	1.22		19.03				56.97

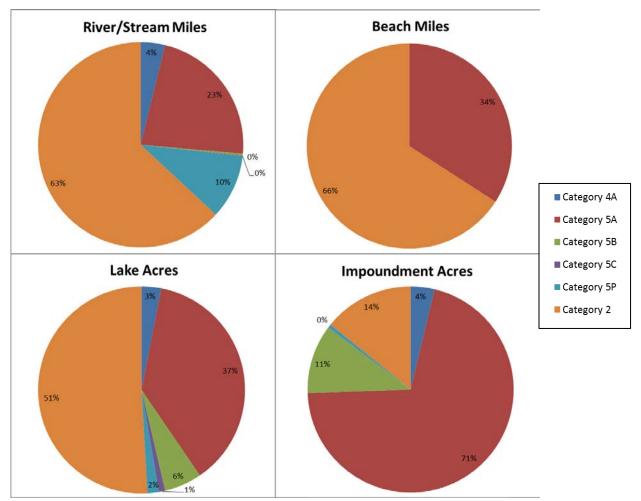


Figure 20. A breakdown of listing category by waterbody type for assessed waters.



Proposed 2016 303(d) Impaired Waters List

Impaired waters, as defined by Section 303(d) of the federal CWA, are those waters that are not meeting the State's water quality standards. Every two years states are required to submit a list of impaired waters to EPA for approval.

Summary of Pollutants and Impairments

Each waterbody can have multiple pollutant listings and each pollutant can have multiple impairments (Table 25). The pollutant is considered the cause of the impairment; in EPA terminology what WDNR terms a 'pollutant' is called a 'cause'. In the tables and figures below the pollutants and impairments are summarized by waterbody miles or acres. The sum of miles/acres for any waterbody type will be greater than the total number of listed miles/acres because waters can be listed for multiple pollutants and impairments.

Table 25. An example of pollutant-impairments for a single lake.

Pollutant	Impairment(s)	
Total Phosphorous	Excess Algal Growth,	
_	Eutrophication,	
	Low DO	
Mercury	Contaminated Fish Tissue	
Total Suspended Solids	Degraded Habitat	
	Low DO	

Freshwater Lakes – Over half, 56%, of lake acres are listed for Total Phosphorus (Figure 21). Total Phosphorus is one of the only pollutants consistently assessed for multiple uses in lakes (Recreation use and Fish and Aquatic Life use), which accounts for the higher percentage of lake acres attributed to the pollutant (Table 26). The impairments associated with total phosphorus, such as eutrophication, excess algal growth, and water quality use restrictions, also cover a large number of lake acres (Table 27). Many acres are also listed for the pollutants Mercury and PCBs under the Fish Consumption use.

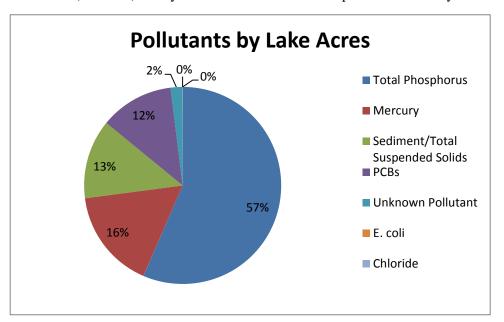


Figure 21. Pollutants in lakes by percentage of lake acres for all designated uses combined.



Table 26. Pollutant by lake acreage for each designated
use.

Fish and Aquatic Life Use	Acres
Chloride	27.44
Mercury	375.06
PCBs	4,222.69
Sediment/Total Suspended Solids	203,472.01
Total Phosphorus	420,587.21
Unknown Pollutant	8,476.47

Recreation Use	Acres		
E. coli	395.29		
Total Phosphorus	463,023.93		
Unknown Pollutant	22,161.84		

Fish Consumption Use	Acres
Mercury	255,899.68
PCBs	184,611.64

Table 27. Impairment by lake acreage for each designated use.

Fish and Aquatic Life Use	Acres
Acute Aquatic Toxicity	13.72
Chronic Aquatic Toxicity	5,997.19
Contaminated Fish Tissue	375.06
Contaminated Sediment	4,222.69
Degraded Biological Community	120
Degraded Habitat	39,490.20
Elevated Water Temperature	390.23
Elevated pH	3,528.35
Eutrophication	189,918.30
Excess Algal Growth	840
Fish Kills	72.61
Impairment Unknown	24,936.59
Low DO	159,937.65
Turbidity	156,630.96
Water Quality Use Restrictions 42	
TO 4. TT	A

Recreation Use	Acres
Degraded Biological Community	120
Excess Algal Growth	261,611.08
Impairment Unknown	27,419.78
Low DO	8,404.93
Recreational Restrictions - Pathogens	395.29
Water Quality Use Restrictions	185,343.98

Fish Consumption Use	Acres
Contaminated Fish Tissue	289,935.15

Freshwater Impoundments – As with lakes the impoundments have the highest percentage of acres listed for the pollutant Total Phosphorus (Figure 22).

Figure 22. Pollutants in impoundments by percentage of acres for all designated uses combined.

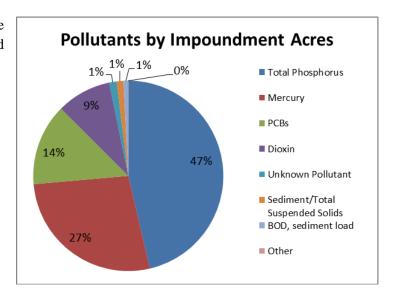




Table 28. Pollutant by impoundment acreage for
each designated use.

Fish and Aquatic Life Use	Acres
BOD, sediment load	2,953.37
Mercury	5,480.58
PAHs	1.26
PCBs	37.11
Sediment/Total Suspended Solids	4,286.26
Total Phosphorus	90,314.13
Unknown Pollutant	284.31
Unspecified Metals	125.2

Recreation Use	Acres
E. coli	64.55
Total Phosphorus	85,867.14
Unknown Pollutant	4,554.65

Fish Consumption Use	Acres
Dioxin	35,386.44
Mercury	98,187.69
PCBs	52,656.51

Bays and Harbors – The largest percentage of bay/harbor acres are listed for PCBs, the majority of which are associated with Contaminated Fish Tissue impairment (Figure 23 and Table 31).

Figure 23. Pollutants in bays and harbors by percentage of acres for all designated uses combined.

Table 29 . Impairment by impoundment acreage for each		
designated use.		
Fish and Aquatic Life Use	Acres	
Chronic Aquatic Toxicity	347.54	
Contaminated Fish Tissue	5,193.44	
Contaminated Sediment	263.54	
Degraded Habitat	3,022.52	
Elevated Water Temperature	1.26	
Elevated pH	4,734.70	
Eutrophication	35,256.71	
Impairment Unknown	109.24	
Low DO	40,199.61	
Turbidity	24.74	
Water Quality Use Restrictions	12,942.50	
Recreation Use	Acres	
Excess Algal Growth	23,366.28	
Impairment Unknown	2,967.74	
Recreational Restrictions - Blue Green Algae	9,000.00	
Recreational Restrictions - Pathogens	64.55	
Water Quality Use Restrictions	51,042.94	
Fish Consumption Use	Acres	
Chronic Aquatic Toxicity	353.64	
Contaminated Fish Tissue	97,480.41	
Contaminated Sediment	353.64	

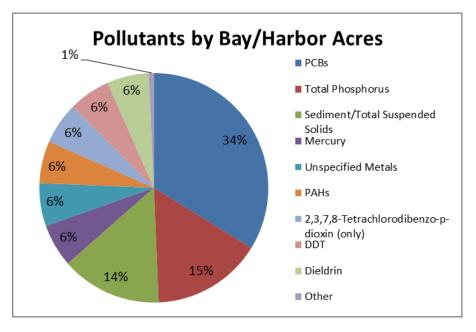


Table 30. Pollutant by bay/harbor acreage for each	n designated use.	Table 31 . Impairment by bay/harbor each designated use.	r acreage for
Fish and Aquatic Life Use	Acres	Fish and Aquatic Life Use	Acres
Foam/Flocs/Scum/Oil Slicks	18.51	Chronic Aquatic Toxicity	6,094.48
Lead	140.57	Contaminated Sediment	14,024.55
PAHs	5,954.11	Degraded Habitat	13,867.36
PCBs	13,867.36	Elevated pH	363.87
Sediment/Total Suspended Solids	14,231.23	Eutrophication	724.95
Total Phosphorus	14,956.18	Low DO	13,867.36
Unknown Pollutant	11.35		
Unspecified Metals	6,066.51		
Recreation Use	Acres	Recreation Use	Acres
Total Phosphorus	603.54	Excess Algal Growth	554.82
Unknown Pollutant	554.82	Non-Native Aquatic Plants	301.77
		Water Quality Use Restrictions	301.77
			001
Fish Consumption Use	Acres	Fish Consumption Use	Acres
Fish Consumption Use Mercury	Acres 6,067.94		
-		Fish Consumption Use	Acres
Mercury	6,067.94	Fish Consumption Use	Acres
Mercury PCBs	6,067.94 19,971.73	Fish Consumption Use Contaminated Fish Tissue	Acres 19,971.73
Mercury PCBs Public Health and Welfare Use	6,067.94 19,971.73 Acres	Fish Consumption Use Contaminated Fish Tissue Public Health and Welfare Use	Acres 19,971.73 Acres

Rivers and Streams - The most stream miles are listed for the pollutant Total Phosphorus (46%) followed by PCBs

(16%), Sediment/Total Suspended Solids (15%), and Mercury (9%) (Figure 24). Total Phosphorus is only a pollutant under the Fish and Aquatic Life use, unlike for lakes.

Pollutants by River/Stream Mile

Total Phosphorus

PCBs

Sediment/Total Suspended Solids

Mercury

Unknown Pollutant

Chloride

Other

Figure 24. Pollutants in rivers and streams by percentage of miles for all designated uses combined. For pollutants covered by 'Other' see Table 32.



Table 32. Pollutant by river/stream mileage for each designated use.		
Fish and Aquatic Life Use	Miles	
Ammonia (Unionized) - Toxin	65.43	
Arsenic	9.88	
BOD	61	
BOD, sediment load	43.58	
Cadmium	2.25	
Chloride	233.41	
Copper	0.54	
Creosote	18.12	
Degraded Habitat	10.45	
Elevated Water Temperature	31.44	
Fish Barriers (Fish Passage)	3.25	
Foam/Flocs/Scum/Oil Slicks	1.76	
Lead	31.74	
Mercury	16.44	
Other flow regime alterations	4.96	
PAHs	32.97	
PCBs	274.36	
Sediment/Total Suspended Solids	1,913.65	
Total Phosphorus	5,840.57	
Unknown Pollutant	863.58	
Unspecified Metals	84.46	
Zinc	19.59	
Recreation Use	Miles	
E. coli	45.85	
Fecal Coliform	116.51	
Fish Consumption Use	Miles	
Cadmium	2.25	
Dioxin	29.13	
Mercury	873.42	
PCBs	1,530.71	
PFOs	97.3	

Table 33. Impairment by river/stream mileage for each designated use.		
Fish and Aquatic Life Use	Miles	
Acute Aquatic Toxicity	128.8	
Chronic Aquatic Toxicity	273.89	
Contaminated Fish Tissue	62.5	
Contaminated Sediment	222.22	
Copper	0.54	
Degraded Biological Community	1,488.32	
Degraded Habitat	1,541.92	
Degraded Submerged Aquatic Vegetation (SAV)	48.1	
Elevated Water Temperature	697.98	
Elevated pH	14.06	
Eutrophication	68.16	
Excess Algal Growth	8.09	
Fish Barriers (Fish Passage)	3.25	
Impairment Unknown	2,601.85	
Low DO	860.29	
Low flow alterations	6.15	
Sediment/Total Suspended Solids	19.47	
Turbidity	17.51	
Water Quality Use Restrictions	1,050.14	
Recreation Use	Miles	
Recreational Restrictions - Pathogens	156.86	
Fish Consumption Use	Miles	
Acute Aquatic Toxicity	2.25	
Contaminated Fish Tissue	1,817.90	
Contaminated Sediment	20.62	

Beaches – Inland lake beaches and Great Lake beaches were only listed for the pollutant *E. coli* with associated Recreational Restrictions – Pathogens impairment (Tables 34-37).

Table 34. Inland Beach Pollutant Miles by	
Designated Use.	
Recreation Use	Miles
E. coli	3.97

Table 35. Impairment by Inland Beach Mile (all	
designated uses).	
Recreation Use	Miles
Recreational Restrictions - Pathogens	3.97



Table 36. Great Lake Boby Designated Use.	each Pollutant Miles
Recreation Use	Miles
E. coli	31.86

Table 37. Impairment by Great Lake Beach Mile (all	
designated uses).	
Recreation Use	Miles
Recreational Restrictions - Pathogens	31.86

Great Lake Shoreline – Great Lake shoreline miles are listed for the pollutants Mercury and PCBs that are causing Contaminated Fish Tissue impairment.

Table 38. Great Lake Shoreline Pollutant	
Miles by Designated Use.	
Fish Consumption Use	Miles
Mercury	259.39
PCBs	268.33

Table 39. Impairment by Great Lake Sho	reline Mile (all
designated uses).	
Fish Consumption Use	Miles
Contaminated Fish Tissue	268.33

Springs – One spring-lake is impaired for Total Phosphorus with an unknown impairment for both FAL and REC uses. This occurs when Total Phosphorus exceeds listing criteria but Chlorophyll-*a* data do not.

Table 40. Lake Pollutant Acreage by Designated Use	
Fish and Aquatic Life Use	Acres
Total Phosphorus	37.00
Recreation Use	Acres
Total Phosphorus	37.00

Table 41. Impairment by Lake Acreage (all designated uses).		
Fish and Aquatic Life Use	Acres	
Impairment Unknown	37.00	
Recreation Use	Acres	
Impairment Unknown	37.00	

Wetlands – A total of 1,000 acres of wetlands are considered impaired. These acres are listed for Sediment/Total Suspended Solids and Total Phosphorus.

Table 42. Wetland Pollutant Acres by		
Designated Use		
Fish and Aquatic Life Use	Acres	
Sediment/Total Suspended Solids	1,000.00	
Total Phosphorus	1,000.00	

Table 43. Impairment by Wetland Acres (all designated)		
uses).		
Fish and Aquatic Life Use	Acres	
Degraded Habitat	1,000.00	
Low DO	1,000.00	



C4. Trends Analysis

Long-Term Phosphorus Trends in Lakes

Anthropogenic nutrient loading is a major stressor of lakes worldwide. Although watershed management efforts have reduced nutrient loading, eutrophication may worsen as agriculture expands, land develops, and precipitation intensifies. The WDNR has been collecting total phosphorus (TP) on 62 lakes for up to 45 years, providing an opportunity to test whether phosphorus concentrations have changed over time. These lakes occur throughout the state in agricultural, urbanized, and forested watersheds and range in size, trophic status, and hydrology. I used linear models to test for change in annual mean TP over time.

Total phosphorus significantly increased in six lakes, decreased in eight lakes, and did not change in 44 lakes (Figure 25). Lakes with a decreasing trend were located in southern Wisconsin watersheds with significantly more developed land. These lakes were also shallower (mean maximum depth of 29 feet), more eutrophic (median total phosphorus of 56 ug/L), and had an earlier period of record dating back to the mid-1970's. In contrast, most lakes with an increasing TP trend were deeper (mean maximum depth of 67 feet), oligotrophic or mesotrophic (median TP of 12 ug/L), and had a more recent period of record dating back to the late 1980's. Lakes with increasing TP trends were in forested, northern watersheds.

Long-term data sets such as this one elucidate trends in time and space and provide opportunity to understand causes of change, be they environmental drivers or the result of direct management actions. Future analyses will examine potential drivers of changes in TP over time and will also test for trends in other parameters such as: surface water temperature, hypolimnetic dissolved oxygen, water clarity, chlorophyll-*a*, nitrogen, pH, alkalinity, color, calcium, and magnesium.

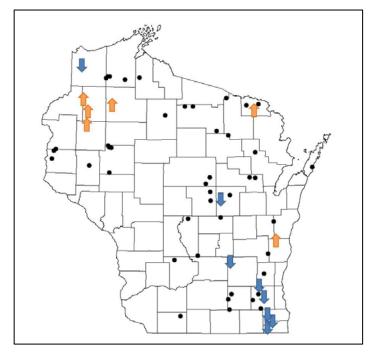


Figure 25. Wisconsin lakes that exhibit a significant increasing (upward orange arrow), significant decreasing (downward blue arrow), or no trend (black circle) in total phosphorus over the past 10 to 45 years.



Long-Term Water Quality Trends in Wisconsin Rivers

As described in the monitoring strategy section, the WDNR has been monitoring water quality at 38 river stations for periods of 15 to 55 years. Long-term trends in these datasets were analyzed with the Fluxmaster model, which estimates linear trends while controlling for the effects of discharge and season on water quality.

River water quality trends were highly variable among parameters and regions of the state. Concentrations of total phosphorus and total suspended solids have decreased in most rivers over the last several decades. In contrast,

concentrations of chloride and nitrate have increased in most rivers over this period. The largest reductions in total phosphorus occurred in southern Wisconsin, and many of the rivers with large phosphorus reductions also had large suspended solids reductions. Nitrate concentrations increased in most rivers in agricultural basins in Wisconsin. Chloride concentrations increased in nearly all rivers in Wisconsin, even in mostly forested basins.

The reasons for these trends are likely a combination of changes in land management practices, agricultural production including systems, erosion control. nutrient management, in improvements wastewater treatment, and increases in road salt use. Further analyses will evaluate non-linear trends to identify periods where the most significant changes and will occurred, determine whether trends vary among seasons. These more detailed analyses will provide more certainty about the improvements causes of declines, and will help target where and when further work is needed.

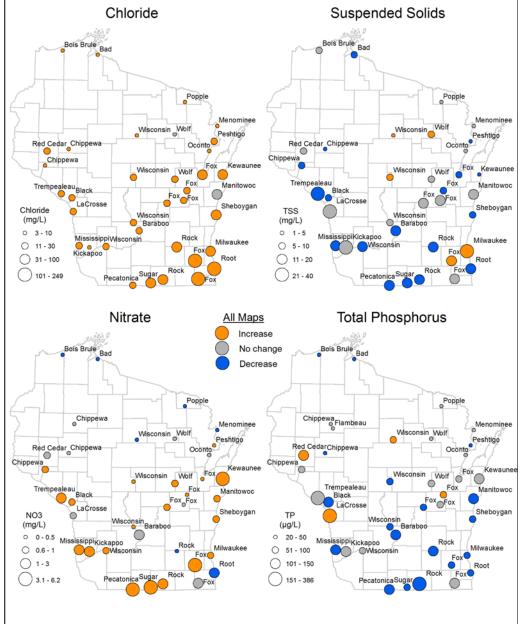


Figure 26. Trends in flow-normalized concentrations of four water quality parameters at long-term trend river sites in Wisconsin over periods of 10 to 50 years.



C5. Groundwater

The Groundwater Coordinating Council prepares an annual report each year that summarizes the operations and activities of the council, describes the state of the groundwater resource and its management, and makes recommendations. The report is due each August for the preceding fiscal year. The latest report is for fiscal year 2015 (July 1, 2014 – June 30, 2015) and is contained on the WDNR website: http://dnr.wi.gov/topic/Groundwater/GCC/.



Drilling a well on rural property.

C6. Wetlands

In the period since Wisconsin's 2010 Water Quality Report to Congress, the WDNR wetland monitoring and assessment team has completed the following studies to develop our ability to assess both the condition and function of Wisconsin's Wetlands.

National Wetland Condition Assessment (NWCA) and WI Lake Michigan Basin Intensification Study

As part of its share of the 2011 NWCA sites, a WDNR crew surveyed 17 Assessment Areas using the NWCA protocol. That data was incorporated into the nationwide study. The NWCA report is currently in its final editing and is expected to be released in late April 2016 as the *National Wetland Condition Assessment 2011: A Collaborative Survey of the Nation's Wetlands*. There will also be a separate 2011 National Wetland Condition Assessment Technical Report.

As a complement to the 2011 NWCA, Wisconsin received a grant to conduct the 2011-2012 Wisconsin Intensification Study in the Lake Michigan Basin (Figure 27). This study used the same probabilistic design and methods as the NWCA

to enable an assessment of wetland condition in the Intensification Study Area. Field work was conducted in 2011 and 2012 and a total of 50 sites were surveyed across the study area (Figure 27). WDNR data analysis occurred concurrently with the EPA NWCA data analysis and was completed in late 2015. The final report is expected to also be completed in late April 2016 and will mark the completion of the first comprehensive probabilistic survey of wetland condition within the State of Wisconsin.

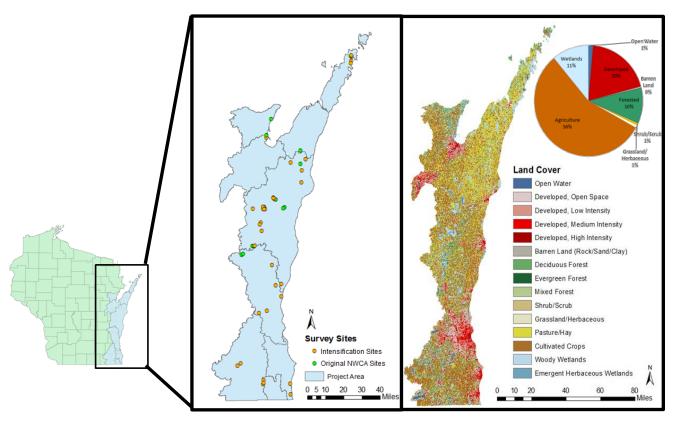


Figure 27. A map of the Wisconsin Intensification Study area, including location of sites and current land cover.

A key preliminary finding of the study involved an assessment of plant community condition in relation to potential wetland ecosystem stressors. Using the criteria and calculations published in *Floristic Quality Assessment Benchmarks for Wetlands in Southeast Wisconsin* (Bernthal et al. 2007), floristic quality was assessed for sites surveyed in the Wisconsin Intensification Study. One measure calculated was "Mean C", or the mean coefficient of conservatism for a site (Figure 28). This is a simple metric used in Floristic Quality Assessment, which has been shown in other studies to be a reliable, robust indicator of wetland condition (DeBerry et al. 2015). The probabilistic study design allowed for calculation of the percent of wetland area within the study area under a given condition. Overall, most wetlands in the Intensification Study area were determined to be in fair condition based on floristic quality metrics (Figure 28). However, when wetlands were divided into those that were wooded (forested and shrub combined - PW) and those that were herbaceous (dominated by grasses, sedges, cattails, wildflowers and other non-woody plants - PH) the herbaceous wetlands were in much poorer condition than the wooded wetlands (Figure 28).



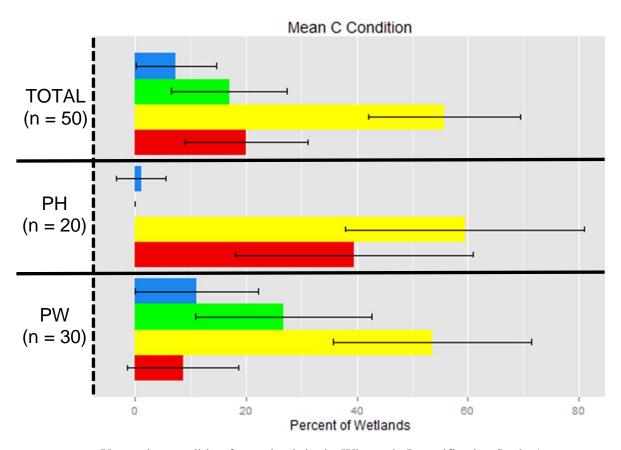
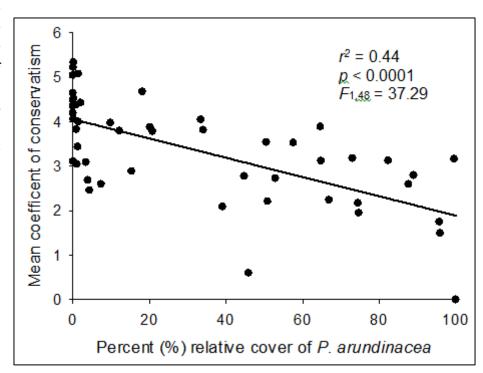


Figure 28. Vegetation condition for wetlands in the Wisconsin Intensification Study Area.

The data were further analyzed to identify factors most influencing plant community condition. Mean C scores were inversely related to the relative percent (%) cover of *Phalaris arundinacea* (reed canary grass), meaning that wetland plant communities with a high percentage of reed canary grass were more likely to be in poorer overall condition (Figure 29).

Figure 29. A comparison of Mean C (Floristic Quality) versus the relative % cover of reed canary grass of wetlands sampled during the 2011-2012 Wisconsin Intensification Study.





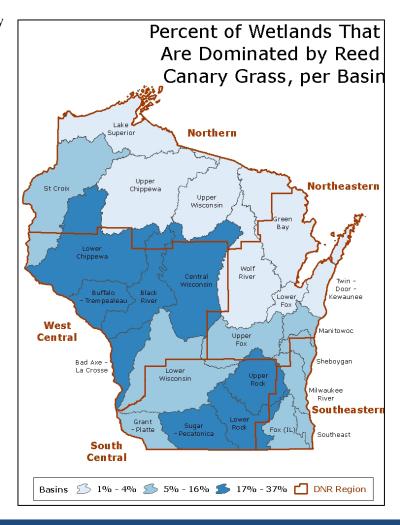
An examination of absolute cover identified which invasive species were most dominant in these plant communities. Reed canary grass (*Phalaris arundinacea*) was far and away the most dominant species by an order of magnitude, followed by hybrid cattail. Narrow-leaved cattail and the two invasive buckthorn shrubs were also identified as common invasive species present in the study area.

Table 44. A list of the most abundant non-native plants observed in wetlands of the 2011-2012 Wisconsin Intensification Study.

Latin name	Common name	Overall rank	Total absolute cover	Abundance per site per plot
Phalaris arundinacea	Reed canary grass	1	10026.3	40.1%
Typha X glauca	Hybrid cattail	5	1174.2	4.7%
Typha angustifolia	Narrow-leaved cattail	24	340.1	1.4%
Rhamnus frangula	Glossy buckthorn	25	333	1.3%
Rhamnus cathartica	Common buckthorn	27	253.2	1.0%

This finding was expected based on previous reed canary grass mapping studies completed by WDNR, which found that most of the watersheds in the Study Area had between 5% and 16% of their wetlands dominated by reed canary grass as of the early 2000s (Hatch and Bernthal 2008; Figure 30).

Figure 30. A map of Wisconsin watersheds and the proportion of wetlands within watersheds that had plant communities dominated by reed canary grass, a pervasive invasive plant species in Wisconsin, as of the early 2000s.



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Wisconsin Water Quality Report to Congress 2016

Finally, WDNR further investigated drivers of plant community condition (Mean C) in relation to soil chemistry and physical properties. Floristic condition was inversely related to the proportion of soil phosphorus bound to iron and aluminum in the soil (expressed as a %; Figure 31). This pool of phosphorus reflected both naturally occurring soil phosphorus and phosphorus which accumulated in wetland soils from current and historic land use practices (Nair 2014). These preliminary results suggested that plant community condition (and overall wetland condition) in the study area was negatively influenced by phosphorus that accumulated in wetland soils, likely driven by poor historic and current land use practices. This finding warrants future study and verification both in the study area and statewide.

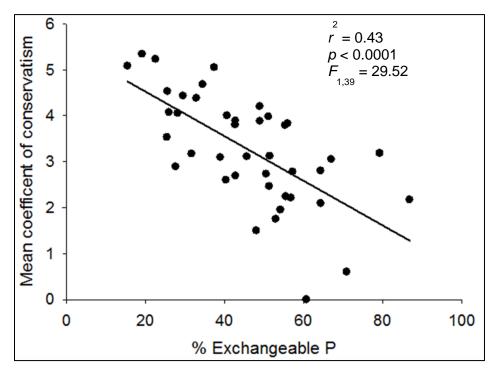


Figure 31. A comparison of Mean C (Floristic Quality) versus the % Soil Exchangeable Phosphorus of wetlands sampled during the 2011-2012 Wisconsin Intensification Study. Exchangeable phosphorus is the proportion of soil phosphorus bound to soil iron and aluminum, which may become available to plants during fluctuations of hydrology and soil oxygen conditions.

References:

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D. Public Participation

Continued Public Participation in Developing the 2016 Integrated Report

One of Wisconsin's goals for the 2016 assessment cycle was to provide opportunity for public participation, and greater transparency about our listing process. To accomplish this, staff provided several opportunities to the public, as shown below.

- A solicitation for public data was announced in a <u>press release</u> and sent to interested parties through the WDNR's GovDelivery service on December 18, 2014, and publicly submitted data were accepted through January 15, 2015. This data solicitation was also publicized via public notice on the WDNR's website. An electronic mailbox was used to encourage on-line comment submittal. Nine entities submitted data for consideration; they are listed in <u>Section C2</u>. All public data were required to meet certain quality assurance measures to qualify for use in 303(d) listing decisions.
- Once the draft 2016 Impaired Waters list was developed, a **public comment period** was held from October 27, 2015 through November 25, 2015 and announced through a press release and on WDNR's website.
- A public 'webinar' (a live online presentation) was held on November 3, 2015. Many stakeholder groups and citizens joined the live webinar, which was also recorded and posted online for future viewing. The webinar presentation described the process for Impaired Waters listing and the overall context of CWA requirements for reporting. A statistical summary of listed waterbodies was presented, and participants were shown how to use WDNR's enhanced website to find specific waterbodies or query information. The webinar was informational only; while participants were able to use a 'chat' feature to submit questions during the webinar, they were instructed to submit formal comments separately.

Public comments on the draft 2016 impaired waters list were compiled, responses drafted, and edits made to the impaired waters listings in response to comments. Comments from approximately 27 citizens or organizations were received. A majority of respondents (19) expressed concern over the designation of the Ahnapee River as a low priority for Total Maximum Daily Load (TMDL) development was expressed by several citizens and business owners in Algoma, WI. It was brought to the WDNR's attention that business, recreation, and public health in Algoma are influenced by the pollution of the Ahnapee River and Crescent Beach. It was requested that the Ahnapee River be placed as a high priority for TMDL development so that the sources of pollution could be identified and the river and beach could be restored. Other comments were in regard to specific waterbody assessments. WDNR's responses to public comments are included in this Integrated Report submittal package to EPA in Attachment E.

Questions about the Impaired Waters List or WDNR's Impaired Waters Program can be submitted electronically to DNRImpairedWaters@wisconsin.gov or mailed to the Water Evaluation Section, Wisconsin DNR, P.O. Box 7921, WT/2, Madison, WI 53707-792.



Appendices

Appendix A. Wisconsin's Total Maximum Daily Load Development (TMDL) Prioritization Framework Document **Appendix B**. Wisconsin's Full 2016 Draft List

Clean Water Act Section 303(d) Long-Term Vision Implementation of the Priority Goal for Total Maximum Daily Load or Alternative Plan Development



Wisconsin Department of Natural Resources Water Quality and Watershed Management Bureaus

March 8, 2016

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Introduction

The Wisconsin Department of Natural Resources (WDNR) participated in the 2014 National Training Workshop on Clean Water Act (CWA) Section 303(d) Listing & TMDLs: Implementing the Prioritization Goal of the New Long-Term Vision. The assembled participants discussed approaches for implementing the Prioritization Goal of the Long-Term Vision for Assessment, Restoration, and Protection under the Clean Water Act Section 303(d) Program. This workshop was instrumental in kick-starting WDNR's engagement in the new CWA 303(d) Vision process and a reevaluation of water quality restoration and protection priorities. The following is the prioritization goal as stated in December 2013 CWA Section 303(d) Program Long-Term Vision:

"For the 2016 integrated reporting cycle and beyond, States review, systematically prioritize, and report priority watersheds or waters for restoration and protection in their biennial integrated reports to facilitate State strategic planning for achieving water quality goals."

The new CWA 303(d) Vision is about prioritizing the work that is most important to meet state water quality goals as states, tribes, territories, and EPA implement CWA 303(d) Program responsibilities with existing resources. It fosters opportunities for collaboration and integration with other Clean Water Act programs; with other programs within the agency; with other agencies; and between EPA and the states, tribes, and territories, all of which can help to strategically focus resources.

In addition to Total Maximum Daily Load (TMDL) analyses, the new Vision allows for consideration and use of other tools (as appropriate), including protection plans and alternatives to TMDLs, to achieve applicable water quality standards, with TMDL development expected to continue to be a primary feature of the program. WDNR is not starting from scratch on prioritization; past prioritization schemes have been revamped to address lessons learned, new thinking, and alternative strategies to restoration and protection. There are many ways to prioritize waters and watersheds for restoration and protection, and the WDNR has developed a method that meets the Vision prioritization goal and allows for more focused utilization of limited staff and fiscal resources.

Recent changes to the CWA 303(d) Program measures better reflect progress in implementing the CWA 303(d) Program responsibilities consistent with the new Vision. The new US EPA 303(d) Program performance measure (WQ-27) tracks progress in developing TMDL and alternative restoration plans for priority impaired waters, and in some cases protection plans for priority healthy waters. The new US EPA 303(d) Program complementary measure (WQ-28) provides an opportunity for programs to receive credit for work that they are doing outside of priority areas as well as for activities leading up to completion of TMDLs or other alternative plans in priority areas. The priority areas identified in this framework will be used for reporting on these performance measures through federal fiscal year (FFY) 2022.



Prioritization Minimum Elements

Several minimum elements were identified by US EPA for inclusion in Wisconsin's TMDL/303(d) program prioritization framework. US EPA recognizes that states will address these elements differently, both in their framework documents and in practice. The purpose of including these minimum elements is to ensure that states develop a framework that the TMDL/303(d) program can provide to other state programs, partner agencies, and public stakeholders that explains and defends the prioritization choices made to apply limited state time and resources to one area versus another. The minimum elements include a description of the changes from past prioritization schemes, mechanism and factors considered in current prioritization scheme, consideration of EPA national and regional priorities, ongoing restoration and protection work, approach to changing priorities, public engagement, schedule for updates, and the current priority designations. The following sections describe how these minimum elements are addressed in Wisconsin's prioritization framework.

Description of Changes from Past Prioritization Scheme

CWA Section 303(d) requires each state to prioritize waterbodies identified on their impaired waters list for TMDL development. Past priority rankings were evaluated during each listing cycle to determine if TMDL development could be completed based on available staff and fiscal resources. Generally, the previous prioritization scheme assigned to a waterbody a ranking of "high" when a TMDL was in development, a ranking of "medium" when information was being gathered that could be used for future TMDL development, and a ranking of "low" when no information was available for TMDL development. In addition, previous prioritization schemes considered several factors in the ranking of each impaired waterbody for TMDL development, including availability of information for TMDL development, likelihood that water quality would respond to management actions, severity of the impairment, and public health concerns. These same factors are also considered in the current prioritization approach, but more as a secondary screening level as opposed to the main driver in selecting priority waters for restoration planning.

This prioritization framework takes a slightly different approach than past prioritization efforts. The primary change in the prioritization process is the incorporation of a systematic and objective modeling analysis that identifies watershed areas at a 12-digit Hydrologic Unit Code (HUC-12) scale experiencing the most ecological degradation and vulnerability to future degradation. Priority areas identified through this screening process were further reviewed by a WDNR team of experts to remove areas already addressed by a TMDL or alternative restoration or protection plans, or where water quality problems are not currently evident. This part of the process, while acknowledging the importance of an objective determination of priority, takes advantage of staff knowledge and experience. During this process, non-quantifiable indicators are considered, including ongoing water quality studies or restoration work, social/economic importance of the waterbody, or likelihood of stakeholder engagement.

The current approach also focuses planning efforts on two pollutants, total phosphorus (TP) and total suspended solids (TSS); whereas, past prioritization considered other pollutants, like mercury, to be a higher priority. While WDNR considers impairments



caused by mercury and other toxics to be important pollutants of concern, TMDL and alternative watershed restoration planning approaches for which the prioritization framework was designed to address pollutants from diverse sources that are dispersed throughout a watershed. TP and TSS are two of the most common pollutants identified on Wisconsin's impaired waters list and often originate from a combination of point and nonpoint sources. Therefore, TP and TSS are the priority pollutants selected for the 303(d)/TMDL program's prioritization effort. Sources of impairments caused by heavy metals or other toxic pollutants are often localized, legacy contamination and are being addressed primarily through other WDNR programs, such as the Great Lakes Areas of Concern (AOC); the Wisconsin Pollutant Discharge Elimination System (WPDES) program; and the Comprehensive Environmental Response, Compensation, and Liability Act [CERCLA], commonly known as the Superfund Program.

Past prioritization processes did not specifically identify areas for protection, as opposed to restoration, as limited staff and fiscal resources were focused on impaired waters in need of restoration. Still, WDNR's lake and river protection program has funded the development and implementation of many protection plans over the past two decades. While a relatively small number of protection priority watersheds are identified in this framework, as compared to restoration priority watersheds, WDNR continues to endorse the use of water quality protection planning as a management tool for achieving the antidegradation provisions of Wisconsin's water quality standards to maintain or improve water quality of the state's high quality waters.

Mechanism for Restoration Area Prioritization

Level 1 Priority – Ongoing restoration planning. Level 1 priority areas were identified as areas where TMDLs are currently in development for pollutants of concern. On previous impaired waters lists (2014 list and prior), these waters were also assigned high priority for TMDL development. Two large-scale watershed projects, the Wisconsin River TMDL Project and the Upper Fox and Wolf Rivers TMDL Project, are underway that will address the priority pollutants of TP and TSS in all Level 1 priority areas. Continuation and completion of these ongoing restoration planning efforts remains a high priority for WDNR.

Level 2 Priority – Future restoration planning. The primary mechanism for identifying additional priority areas (watersheds) was the use of modeling tools to identify areas with predicted poor ecological health or high phosphorus yields and instream concentrations. The <u>Wisconsin Healthy Watersheds Assessment</u> (HWA) that was conducted, in part, through the US EPA's Healthy Watersheds Initiative identified watersheds that were designated Level 2 priority areas for the development of TP and TSS restoration plans. In addition to the priority areas identified using the HWA datasets, top group phosphorus priority areas from <u>Wisconsin's Nutrient Strategy</u> were incorporated as Level 2 priority areas for the development of restoration plans addressing sources of phosphorus.

Mechanism for Protection Area Prioritization

For this prioritization framework, watershed vulnerability was defined as the potential for future degradation of watershed processes and aquatic ecosystem health. The HWA



Vulnerability Index was used to identify watersheds that are a priority for the development of protection plans for the pollutants TP and TSS.

Vulnerability can be driven by a variety of factors. The HWA Vulnerability Index considered the following attributes: climate change, land use change, and water use. Additional protection priority areas may be identified in future updates of the prioritization framework based on potential threats to water quality that were not considered in the HWA Vulnerability Index.

Factors Considered in Prioritization

WDNR used the HWA Ecosystem Health and Vulnerability Indices to identify high priority watershed areas for restoration and protection, respectively. Aquatic ecosystem health refers to several properties of streams, lakes, and wetlands that describe their structure and function. Eleven aquatic ecosystem health metrics were selected based on data availability, data quality, and the objectives of the assessment. The selected ecosystem metrics characterize the hydrology, habitat, geomorphology, water quality, and biological condition attributes of watershed health. The Ecosystem Health Index included the following metrics: total phosphorus, nitrate-nitrite, suspended sediment, lake clarity, aquatic insects, stream patch size, percent of streams that are canals/ditches, road crossing density, stream habitat rating, Reed Canary Grass-dominated wetlands, and stream flow "exchange" (an estimate of the difference between present-day and predevelopment annual flow duration statistics).

Index scores for assessed catchments were aggregated up to a HUC-12 watershed scale. Maps of the Ecosystem Health and Vulnerability Index scores are in Attachments 1 and 2, respectively. The index scores were color-coded on these maps using a quartile scaling with darker colors indicating lower ecological condition and higher vulnerability. Those HUC-12 watersheds ranking in the top quartile (i.e., 25% of watersheds with lowest Ecosystem Health scores) were considered restoration plan priority areas. Those HUC-12 watersheds with both high Ecosystem Health scores (25% of watersheds with highest Ecosystem Health Index scores) and high Vulnerability scores (50% of watersheds with highest Vulnerability Index scores) were considered protection plan priority areas and were identified as Level 2 priority areas. Watersheds with existing EPA-approved TMDLs or nine-key element restoration or protection plans were excluded from the priority area designations.

Top group phosphorus watersheds identified by the state's Nutrient Strategy document were included as Level 2 priority areas for development of phosphorus reduction plans. These watersheds were selected based on SPARROW model incremental phosphorus yields and median stream concentrations of phosphorus monitored during the growing season. Top group phosphorus watersheds from the Nutrient Strategy that overlapped with Level 2 priority watersheds based on the HWA were assigned a Level 2 priority. Maps of the priority areas for the development of water quality restoration and protection plans can be found in Attachments 3 and 4, respectively.

Final selection of project areas for the development of restoration and protection plans will be a two-stage process. The first stage is based on the modeling approaches described above that objectively identify priority areas in need of restoration and



protection. The second stage is to refine those areas using a variety of factors that use local expertise about individual watersheds. Factors to be considered in the selection of priority areas for which to develop restoration or protection plans include the following:

- Severity of observed water quality impairments
- Impairments that are a public health concern
- Likelihood of water quality improvement in response to management actions
- Ongoing water quality studies or restoration work
- Social / economic importance
- Stakeholder engagement and readiness

The presence/absence of point sources in a watershed will also be used to inform the selection of the appropriate type of restoration or protection plan to be developed (e.g., nine key element restoration or protection plan, adaptive management restoration plan, or TMDL). Priority areas with a blend of point and nonpoint sources of a priority pollutant may be best suited for adaptive management restoration plans or TMDLs, whereas priority areas with few or no point sources of pollution would be best candidates for nine key element restoration or protection plans.

Consideration of EPA National and Regional Priorities

WDNR collaborates with the US EPA on prioritization, recognizing the US EPA's priorities as an important factor in this process. In 303(d)/TMDL program framework, WDNR has identified TP and TSS as priority pollutants to be addressed by restoration and protection plans. The US EPA also has identified <u>nutrient pollution</u> as a key water quality challenge nationally and a priority for their agency.

WDNR has worked closely with US EPA national and regional staff during the priority setting process, incorporating feedback from US EPA and keeping them informed about our progress. WDNR will continue to consider how US EPA's priorities will fit within WDNR's prioritization framework and may make additional adjustments based on their feedback.

Changes to the federal Nonpoint Source (NPS) Program Grant Guidelines in April 2013 emphasize the importance of states updating their NPS management programs to ensure that CWA Section 319 funds are targeted to the highest priority watersheds and activities. State NPS management programs should include a strategy for prioritizing waters and watersheds in which to focus restoration and protection efforts. In addition, the NPS grant guidelines promote the integration of state TMDL and NPS Programs to align priorities and coordinate restoration of NPS-impaired waters. The WDNR is updating the state's NPS Program Management Plan for FFY 2016-2020 to incorporate this prioritization framework. In doing so, Wisconsin may progressively address identified watersheds impacted by NPS pollution by conducting more detailed watershed assessments, developing watershed-based plans, and implementing the plans.

Ongoing Restoration and Protection Planning Work

WDNR is currently working with multiple stakeholders in the development of TMDLs for the restoration of HUC-12 watersheds identified as Level 1 priority in this framework



document. TMDLs are currently in development for Level 1 priority areas through the efforts of two large-scale watershed projects: 1) the Wisconsin River TMDL Project and 2) the Upper Fox and Wolf Rivers TMDL Project. Both of these studies are slated for completion before FFY 2022, which is the deadline for completion of restoration and protection plans for all top priority waters identified for reporting on the US EPA performance measure WQ-27.

As the Level 1 priority areas will be addressed with the completion of the Upper Wisconsin and Upper Fox/Wolf TMDLs, WDNR will work with external stakeholders and partners to complete additional restoration plans that address the priority pollutants of TP and TSS in the Level 2 priority areas identified in this framework. Plans developed in these areas of the state will be included in reporting on the US EPA performance measure WQ-28.

WDNR has also worked with partners to develop water quality protection plans. Waters in these areas are meeting water quality standards based on available information, but plans were developed to maintain or improve water quality into the future. Additional HUC-12 watershed areas have been identified as Level 2 priority areas for the development of protection plans.

Approach for Changes to Priorities

The prioritization plan represents the currently anticipated restoration/protection planning work load, including TMDL development, but it is subject to change depending on overall Department priorities and available resources.

Given that the impaired waters list is updated biennially, changes to these priority areas may occur. When new priorities are identified based on new information, WDNR will work with US EPA and stakeholders in determining whether to add priority areas or reevaluate previous priority designations.

Public Engagement Approach

For the Vision to be successfully implemented, an understanding of the Vision must be communicated to other CWA programs, other agencies, stakeholders, and the public. Stakeholder and public familiarity with (and interest in) the priority issue(s) or water(s) is key to their engagement. The development and implementation of Wisconsin's prioritization framework has included, and will continue to involve, several programs within the Water Quality and Watershed Management Bureaus, including Wisconsin Pollutant Discharge Elimination System (WPDES), Section 303(d)/TMDL, Water Quality Monitoring and Assessment, and Nonpoint Source (NPS) Programs.

This draft prioritization framework will be communicated to the public and input on the framework will be solicited during the public comment periods for the updated NPS Program Management Plan update and the draft 2016 Impaired Waters List to facilitate transparency and public engagement in the prioritization process. The final framework will be included in Wisconsin's 2016 Integrated Report of Water Quality to Congress and the updated NPS Management Plan. The draft and final framework document will be



announced to the public via press release and GovDelivery mailings and made available to the public for review on <u>WDNR's website</u>.

Schedule for Updates

WDNR will review and update the prioritization scheme, as needed, on even-numbered years and incorporate the updates in the state's biennial Integrated Report of Water Quality. Updates on this schedule will allow WDNR to adapt the framework to new information about current water quality conditions from each biennial statewide assessment, as well as incorporating public input during comment periods and evaluating the effectiveness of the current prioritization scheme.

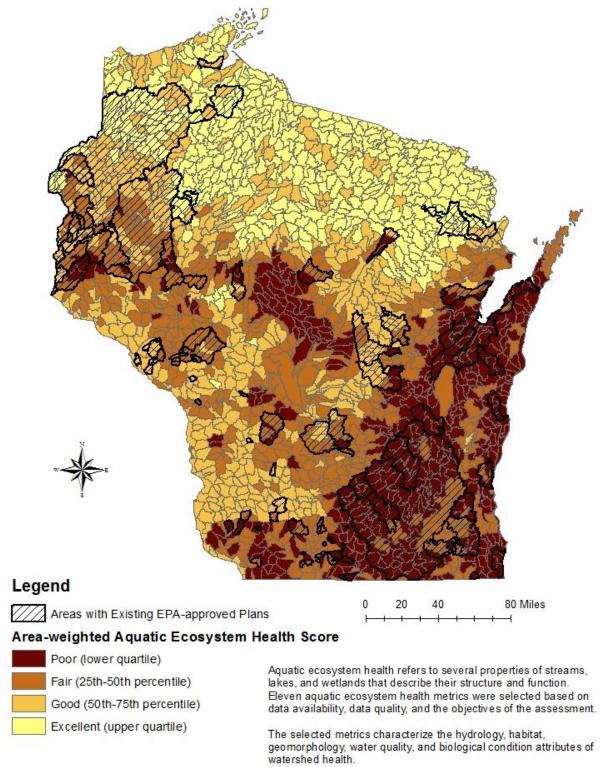
Priority Designations

The prioritization framework includes the process for selecting priority HUC-12 watersheds for the development of protection and restoration plans, as well as maps showing the locations of these areas (Attachments 3 and 4) and lists of the priority area HUC-12 watersheds (Attachments 8, 9, and 10). Level 1 priority areas are the waterbodies to be tracked in Measure WQ-27 for the priority pollutants of total phosphorus and total suspended solids.

Both the process and selected priority areas will be vetted by the public. After the framework document has been reviewed and finalized, any changes to the priority areas identified in this draft will be summarized and included in the final framework with updated lists of priority areas and maps, as needed.

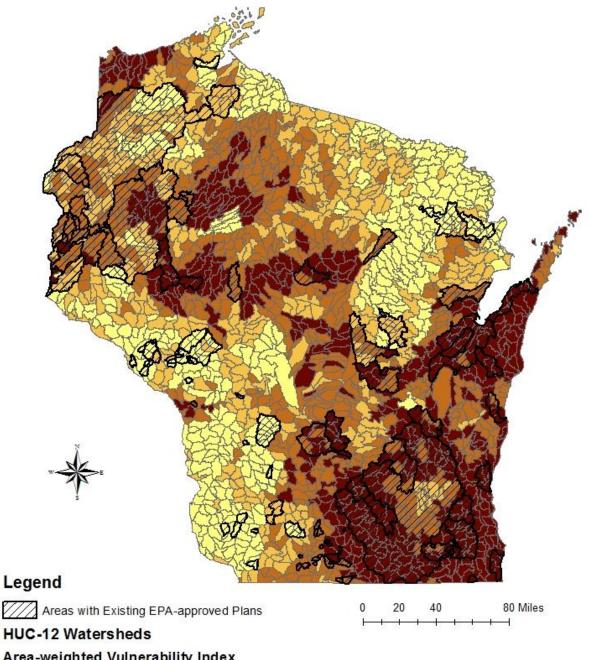


Attachment 1: Ecosystem Health Index scores and existing water quality restoration or protection plans.





Attachment 2: Vulnerability Index scores and existing water quality restoration or protection plans.



Area-weighted Vulnerability Index

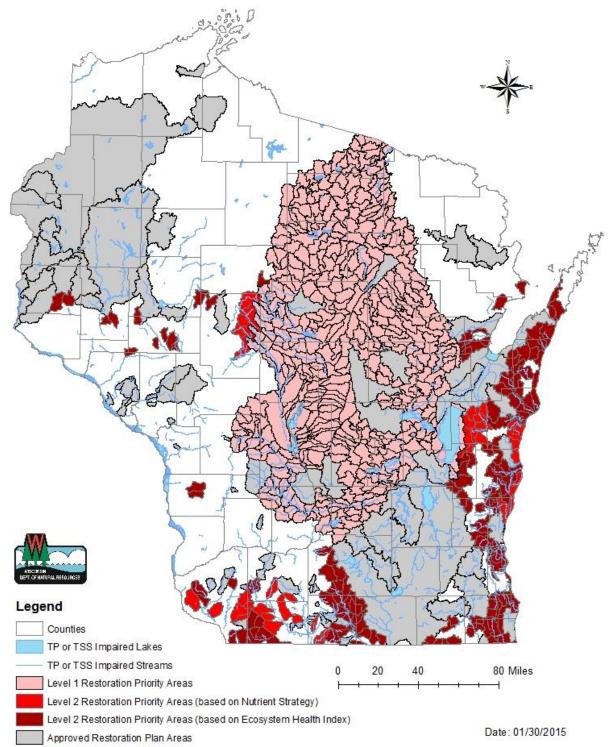
Lowest Vulnerability Low Vulnerability Higher Vulnerability Highest Vulnerability

Aquatic ecosystem health refers to several properties of streams, lakes, and wetlands that describe their structure and function. Eleven aquatic ecosystem health metrics were selected based on data availability, data quality, and the objectives of the assessment.

The selected metrics characterize the hydrology, habitat, geomorphology, water quality, and biological condition attributes of watershed health.

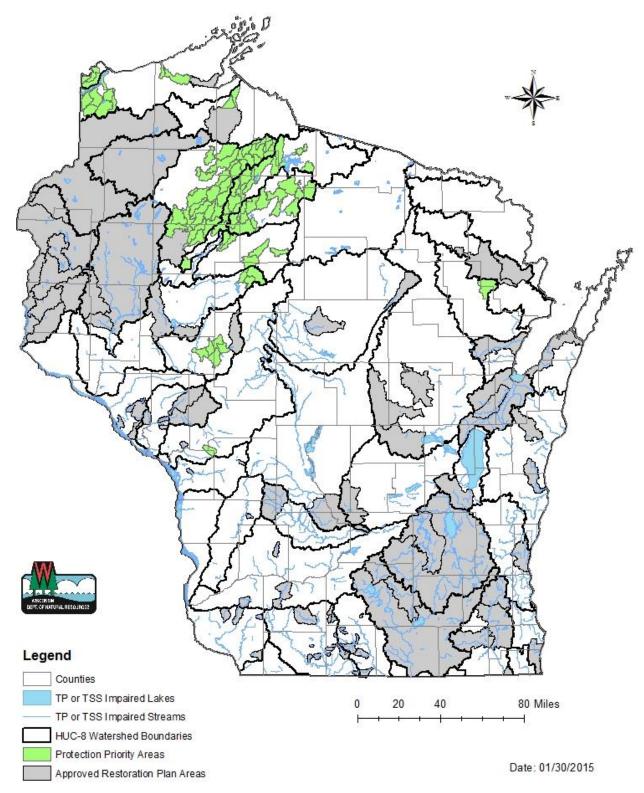


Attachment 3: Level 1 and 2 water quality restoration priority areas (HUC-12 watersheds) and existing water quality restoration or protection plans.



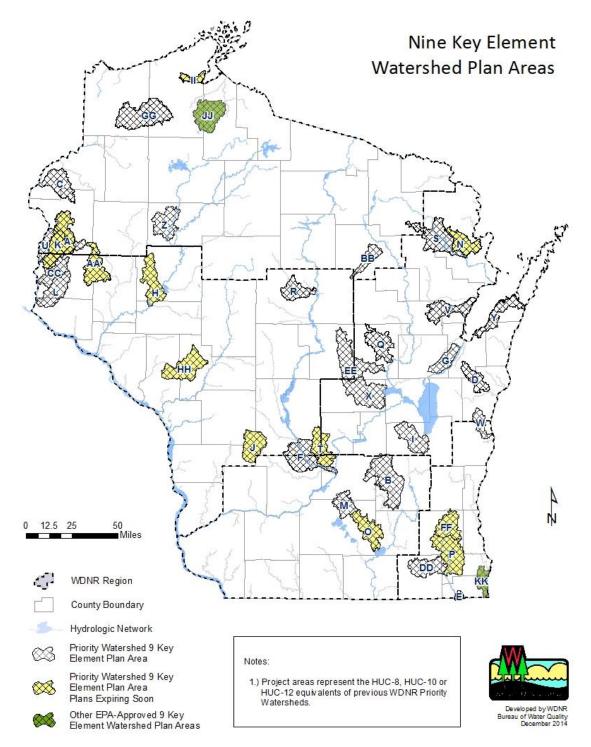


Attachment 4. Water quality protection priority areas (HUC-12 watersheds) and existing water quality restoration or protection plans.





Attachment 5. Nine Key Element Watershed Plan Areas (list of watershed names, plan type, and status are provided in Attachment 6).





Attachment 6. List of Nine Key Element Plan Areas, including watershed name and code, Hydrologic Unit Code number, expiration date, and plan type (restoration or protection).

Map Code	Watershed Name	Watershed Code	Hydrologic Unit Code (HUC)	Expiration Date	Plan Type
Α	Balsam Branch	SC05	0703000508	2016	Protection
В	Beaver Dam River	UR03	0709000109	2019	Restoration
O	Big Wood Lake	SC11	0703000501	2019	Protection
D	Branch River	MA03	0403010105	2017	Protection
Е	Camp & Center Lakes	part of FX02	071200061005	2017	Protection
F	Dell Creek	LW26	0707000319	2019	Protection
G	Duck/Apple/Ashwaubenon Creeks	LF02	0403020404 & 0403020401	2019	Restoration
Н	Duncan Creek	LC18	0705000504	2015	Restoration
I	Fond du Lac River	UF03	0403020301 & 0403020302	2019	Restoration
J	Hillsboro	part of LW24	070700040104 & 070700040105	2015	Restoration
K	Horse Creek	part of SC04	070300050804	2019	Restoration
L	Kinnickinnic River (St. Croix Basin)	SC01	0703000511	2019	Restoration
М	Lake Mendota	LR09	0709000205	2018	Restoration
Ν	Lake Noquebay	GB09	0403010503	2016	Protection
0	Lake Ripley	part of LR11	070900020404	2016	Restoration
Р	Little Muskego, Big Muskego, Wind Lakes	FX04	0712000603	2015	Restoration
Q	Lower Little Wolf River	WR06	0403020217	2018	Protection
R	Lower Rib River	CW23	0707000210	2019	Protection
S	Middle Peshtigo/Thunder Rivers	GB10	0403010504	2019	Protection
T	Neenah Creek	UF14	0403020102	2015	Restoration
U	Osceola Creek	part of SC08	070300050902	2017	Restoration
٧	Pensaukee River	GB02	0403010301	2018	Protection
W	Pigeon River	SH06	0403010108	2019	Restoration
Χ	Pine & Willow Rivers	WR02	0403020220	2019	Restoration
Υ	Red River/Sturgeon Bay	TK07	0403010204	2017	Protection
Z	Soft Maple/Hay Creeks	UC17	0705000107	2017	Restoration
AA	South Fork Hay River	LC06	0705000705	2015	Protection
ВВ	Springbrook Creek	CW21	0707000211	2018	Restoration



Map Code	Watershed Name	Watershed Code	Hydrologic Unit Code (HUC)	Expiration Date	Plan Type
					Restoration
CC	St. Croix County Lakes Cluster	parts of SC01, SC02, SC08	070300050808, 070300050908, 070300051008, 070300051002	2018	
			0710000404		Restoration
DD	Sugar/Honey Creeks	FX05	0712000604 & 0712000605	2018	
EE	Tomorrow/Waupaca River	WR05	0403020218	2017	
FF	Upper Fox River (IL)	FX07	0712000601	2015	Restoration
GG	Upper St. Croix/Eau Claire Rivers	SC18	0703000101	2018	Protection
НН	Upper Trempealeau River	BTO5	0704000502	2016	Restoration
II	Whittlesey Creek	part of LS07	010403011008	2016	Protection
JJ	Marengo River	LS12	0401030204	2023	Protection
KK	Pike River	SE01 & SE02	0404000204	2038	Restoration

^{*} Not shown on the map in Attachment 5 are the following additional restoration plans:

¹⁾ Plum and Kankapot Creeks (HUC 0403020402) approved in December 2014

²⁾ St. Croix River Basin (HUC 07030001) with EPA approval pending

Attachment 7. List of EPA-approved Total Maximum Daily Load (TMDL) Restoration Plans, including approval year and link to TMDL websites or approved plan.

- Rock River TMDL, 2012
- Red Cedar River (Tainter Lake, Lake Menomin) TMDL, 2012
- Lake St. Croix TMDL, 2013 [PDF]
- Lower Fox River Basin and Lower Green Bay TMDL, 2011 [PDF]
- Little Lake Wissota, 2010 [PDF]
- Milwaukee Cedar Creek, 2008 [PDF]
- Mead Lake, 2008 [PDF]
- Little Willow Creek, 2008 [PDF]
- Otter Creek, 2008 [PDF]
- Dougherty Creek, 2008 [PDF]
- Hardies Creek, 2008 [PDF]
- Stillwell & Squaw Creek, 2007 [PDF]
- Parsons Creek, 2007 [PDF]
- Martin, Martinville, and Rogers Branch, 2007 [PDF]
- Gills Coulee Creek, 2006 [PDF]
- Snowden Branch, 2006 [PDF]
- Waumandee Creek Watershed, 2005 [PDF]
- Becky Creek, 2005 [PDF]
- Sugar Pecatonica River Basin, 2005 [PDF]
- Castle Rock Creek, 2004 [PDF]
- Carpenter Creek TMDL, 2004 [PDF]
- Gunderson Valley Creek, 2004 [PDF]
- Halfmoon Lake, 2004 [PDF]
- Silver Lake, 2004 [PDF]
- Trump Coulee Creek, 2004 [PDF]
- Eagle Creek & Joos Valley, 2003 [PDF]
- Sugar–Honey Creeks Watershed, 2003 [PDF]
- Middle Trempealeau River Watershed Sediment TMDL, 2002 [PDF]
- Jug Creek [PDF]
- Cedar Lake, 2003 [PDF]
- Token Creek, 2002 [PDF]
- Squaw Lake, 2000 [PDF]



Attachment 8. List of Level 1 restoration plan HUC-12 areas (ongoing plan development) for EPA performance measure WQ-27 (sorted alphabetically by HUC-10 watershed name).

Alexander Lake-Wisconsin River
Berry Creek-Wisconsin River
070700020402
Devil Creek
070700020403
Joe Snow Creek-Wisconsin River
070700020404
Little Pine Creek
070700020401
Bear Creek-Embarrass Creek
Bear Creek
040302021303
Bear Creek-Embarrass River
Maple Creek
040302021302
Township of Deer Creek-Embarrass River
040302021301
Township of Libery-Embarrass River
040302021304
Bear Creek-Wolf River
Black Otter Lake-Wolf River
040302021404
Municipality of Stephensville-Bear Creek
040302021402
Town of Greenville-Bear Creek
040302021401
Village of Shiocton-Wolf River
040302021403
Beaver Creek
Eagle Nest Flowage-Beaver Creek
070700031402
Meadow Valley-Beaver Creek
070700031401
Big Green Lake
Big Green Lake
040302010902



Silver Creek

040302010901

Big Roche a Cri Creek

Dead Horse Creek

070700030802

Lower Big Roche a Cri Creek

070700030804

Middle Big Roche a Cri Creek

070700030803

Upper Big Roche a Cri Creek

070700030801

Big Sandy Creek-Eau Claire River

Little Sandy Creek-Big Sandy Creek

070700021303

Mole Brook-Eau Claire River

070700021301

Prahl Creek-Big Sandy Creek

070700021302

Silver Creek-Eau Claire River

070700021304

Black Brook-Eau Claire River

Antigo Flats-East Branch of the Eau Claire Rivers

070700021203

Black Brook

070700021202

Bogus Swamp-East Fork of the Eau Claire River

070700021201

Oldens Creek-Eau Claire River

070700021205

West Branch of the Eau Claire River

070700021204

Black Creel

Beaver Creek-Black Creek

070700020701

Drewek Creek-Black Creek

070700020702

Buffalo and Puckaway Lakes-Fox River

Buffalo Lake-Fox River

040302010604

French Creek



O40302010602
Good Earth Creek-Fox River

040302010603
Portage Canal-Fox River

040302010601
Puckaway Lake-Fox River

040302010605
City of Berlin-Fox River

Barnes Creek

040302011105
Black Creek

040302011101
City of Berlin-Fox River

040302011106
Hogars Bayou-Fox River

040302011107

Mill Race-Fox River 040302011102

Puchyan River

040302011103

Town Ditch

040302011104

City of Stevens Point-Wisconsin River

Biron Flowage-Wisconsin River

070700030306

City of Stevens Point-Wisconsin River

070700030302

Hay Meadow Creek

070700030301

Little Plover River

070700030303

Mosquito Creek

070700030305

Village of Plover-Wisconsin River

070700030304

Copper Rive

Copper River Outlet

070700020203

Middle and South Forks of the Copper River



North Fork of the Copper River

070700020201

Cranberry Creek

Lower Cranberry Creek

070700031202

Upper Cranberry Creek

070700031201

Deerskin River

Blackjack Creek

070700010102

Deerskin River

070700010104

Little Deerskin River

070700010103

Thoroughfare Creek-Deerskin River

070700010101

Dell Creek-Wisconsin River

Long Lake-Wisconsin River

070700031908

Devil's Lake-Baraboo River

Boulder Creek-Baraboo River

070700040404

Cascade Mountain-Baraboo River

070700040406

Devil's Lake-Baraboo River

070700040402

Leech Creek

070700040405

Pine Creek

070700040401

Rawley Creek

070700040403

Dill Creek-Big Eau Pleine Rive

Dill Creek

070700021504

East Branch of the Big Eau Pleine River

070700021501

Hamann Creek

070700021506

Noisy Creek-Big Eau Pleine River



070700021507

Porky Creek-Big Eau Pleine River

070700021505

Randall Creek

070700021503

West Branch of the Big Eau Pleine River

070700021502

Duck Creek-Wisconsin River

Duck Creek-Wisconsin River

070700050105

Headwaters Rocky Run

070700050103

Middle Branch Duck Creek

070700050101

North Branch Duck Creek

070700050102

Rocky Run

070700050104

Eagle River

Eagle River Chain of Lakes-Eagle River

070700010206

Headwaters-Eagle River

070700010201

Julia Creek

070700010202

Ninemile Creek-Eagle River

070700010204

Planting Ground Lake-Eagle River

070700010205

Three Lakes Chain of Lakes-Eagle River

070700010203

East Shore of Lake Winnebago

City of Utowana Beach-Lake Winnebago

040302030304

De Neveu Creek

040302030301

Pipe Creek-Lake Winnebago

040302030303

Taycheedah Creek



Eau Claire Flowage-Wisconsin River
County Line Creek-Wisconsin River
070700021401
Eau Claire Flowage
070700021403
Jim Moore Creek-Wisconsin River
070700021402
Evergreen River-Wolf River
Elton Creek-Evergreen River
040302020303
McCall Creek-Evergreen River
040302020304
Ninemile Creek
040302020301
Slough Gundy Rapids-Wolf River
040302020302
White Lake Creek-Wolf River
040302020305
Flume Creek-Little Wolf River
Bradley Creek-Little Wolf River
040302021504
Comet Creek
040302021503
Flume Creek
040302021502
Holt Creek-Little Wolf River
040302021501
Fourmile Creeik
Fourmile Creek
070700030402
Fourmile Creek
Buena Vista Creek
070700030401
Nepco Lake
070700030403
Fourteenmile Creek
Fourteenmile Creek
070700030603
Leola Ditch
070700030601



Lone Rock-Fourteenmile Creek
070700030602
Gillmore Creek-Big St. Germain River
Gilmore Creek
070700010503
Lost Creek-Big St. Germain Lake
070700010501
Plum Creek-Big St. Germain Lake
070700010502
Hemlock Creek
East Fork of Hemlock Creek
070700031001
Little Hemlock Creek
070700031003
Lower Hemlock Creek
070700031005
Middle Hemlock Creek
070700031004
Upper Hemlock Creek
070700031002
Lake Butte des Mortes
Brooks Cemetary
040302011203
Daggetts Creek
040302011202
Lake Butte des Mortes-Fox River
040302011205
Sawyer Creek
040302011204
Spring Brook
040302011201
Lake Dubay-Big Eau Pleine River
Fenwood Creek
070700021602
Freeman Creek
070700021603
Lake Dubay
070700021604
Rock Creek-Big Eau Pleine River



Lake Dubay-Wisconsin River
Bull Junior Creek
070700021802
Fourmile Creek
070700021801
Hog Creek
070700021804
Johnson Creek
070700021806
Lake Dubay-Wisconsin River
070700021807
Little Eau Claire River
070700021805
Mosinee Flowage-Wisconsin River
070700021803
Lake Mohawksin-Lake Alice-Wisconsin River
Big Pine Creek
070700011304
Cresent Creek-Wisconsin River
070700011302
Green Meadow Creek
070700011303
Lake Alice-Wisconsin Rvier
070700011305
Lake Mohawksin-Wisconsin River
070700011306
Noisy Creek
070700011301
Lake Poygan
Alder Creek
040302022103
Arrowhead River
040302022105
Lake Poygan
040302022106
Medina Junction-Rat River
040302022101
Pumpkinseed Creek
040302022104
Town of Dale-Rat River



040302022102
Lake Winnebago
Lake Winnebago
040302030401
Legend Lake-Wolf River
Dalles Creek-Wolf River
040302020701
Legend Lake-Wolf River
040302020702
Lily River
Bog Brook-Lily River
040302020204
East Branch of the Lily River
040302020205
Hunting River
040302020202
Non-Contributing-Lily River
040302020203
Pickerel Creek
040302020201
Squaw Creek-Wolf River
Squaw Creek-Wolf River 040302020206
040302020206
040302020206 Little Baraboo River-Baraboo River
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River 070700040204
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River 070700040204 Plum Creek
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River 070700040204 Plum Creek 070700040201
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River 070700040204 Plum Creek 070700040201 Twin Creek-Baraboo River 070700040207 Little Eau Pleine River
040302020206 Little Baraboo River-Baraboo River Cazenovia Branch 070700040203 Crossman Creek 070700040202 Dutch Hollow Lake-Baraboo River 070700040206 Lake Redstone 070700040205 Little Baraboo River 070700040204 Plum Creek 070700040201 Twin Creek-Baraboo River 070700040207



Carlson Creek-Little Eau Pleine River

070700021701

Honey Island Flowage-Little Eau Pleine River

070700021706

McMillan Marsh-Little Eau Pleine River

070700021702

Squaw Creek/Scheuer Creek

070700021703

Townline Reservoir-Little Eau Pleine River

070700021707

Wild Creek-Little Eau Pleine River

070700021704

Little Rib River

Little Brook-Little Rib River

070700020902

West Fork of the Little Rib River-Rib River

070700020901

Little Roche a Cri Creek

Bingham Creek

070700030902

Carter Creek

070700030903

Fordham Creek-Little Roche a Cri Creek

070700030901

Friendship Lake-Little Roche a Cri Creek

070700030904

Lower Grand River

Belle Fountain Creek

040302010503

Grand Lake-Grand River

040302010502

Grand River

040302010504

Lake Emily

040302010501

Lower Lemonweir River

Brewer Creek-Lemonweir River

070700031702

Onemile Creek



Outlet of the Lemonweir River

070700031704

Sevenmile Creek

070700031703

Lower Tomahawk River

Lake Nokomis

070700011004

Little Rice Creek

070700011001

Little Rice River

070700011002

Rice River Flowage

070700011003

Mead Marsh-Yellow River

Mead Marsh-Yellow River

070700031301

Mecan River

Chafee Creek

040302010702

Little Pine Creek-Mecan River

040302010703

Mecan River

040302010704

Weddle Creek

040302010701

Middle and South Branches Embarrass River

Dent Creek-Middle Branch of the Embarrass River

040302021005

Elmhurst Creek-Middle Branch of the Embarrass River

040302021004

Logemanns Creek-Middle Branch Embarrass River

040302021006

Municipality of Caroline-South Branch Embarrass River

040302021007

Packard Creek-Middle Branch Embarrass River

040302021003

Spranger Creek-South Branch Embarrass River

040302021001

Tiger Creek-South Branch Embarrass River



Middle Lemonweir River
Bear Creek
070700031601
Cutler Ditch-Lemonweir River
070700031602
Fountain Creek-Little Lemonweir River
070700031604
Indian Creek-Little Lemonweir River
070700031603
New Lisbon Lake-Lemonweir River
070700031605
Middle Tomahawk River
Bear Creek-Tomahawk River
070700010905
Bearskin Creek
070700010906
Headwaters-Willow River
070700010901
Rocky Run
070700010904
Swamp Creek-Tomahawk River
070700010907
Swamsauger Creek
070700010902
Willow Reservoir
070700010903
MIII Creek
Bear Creek
070700030203
Lower Mill Creek
070700030204
Middle Mill Creek
070700030202
Upper Mill Creek
070700030201
Montello River
Klawitter Creek
040302010303
Montello River
040302010304



Tagatz Creek

040302010301

Westfield Creek

040302010302

Narrows Creek-Baraboo River

Copper Creek-Baraboo River

070700040304

Hill Point Creek-Narrows Creek

070700040301

Narrows Creek

070700040302

Pleasant Valley-Baraboo River

070700040305

Seeley Creek

070700040303

New Wood River

Averil Creek-New Wood River

070700020102

East and Center Forks of the New Wood River

070700020101

North Branch and MainstemEmbarrass River

Mill Creek

040302021203

Pine Lake-Embarrass River

040302021204

Pony Creek-North Branch of the Embarrass River

040302021202

Strassburg Creek-North Branch of the Embarrass River

040302021201

Partridge Lake-Wolf River

Hatton Creek

040302021903

Mosquito Creek

040302021905

Partridge Crop Lake-Wolf River

040302021902

Partridge Lake-Wolf River

040302021906

Potters Creek



Walla Walla Creek
040302021904
Pelican River
Gudegast Creek
070700010704
Headwaters-North Branch Pelican River
070700010705
Lower Pelican River
070700010708
Middle Pelican River
070700010707
Monico Creek
070700010701
North Branch Pelican River
070700010706
Twin Lakes Creek
070700010703
Upper Pelican River
070700010702
Petenwell Lake
Campbell Creek-White Creek
070700031806
City of Wisconsin Rapids-Wisconsin River
070700030701
Duck Creek
070700031805
Fivemile Creek-Wisconsin River
070700030704
Grays Marsh
070700031808
Juneau County Ditch
070700031804
Klein Creek
070700031802
Mocassin Creek
070700030702
Petenwell Lake
070700030705
070700031803
Sevenmile Creek



070700030703

Unnamed trib-Wisconsin River

070700031809

White Creek

070700031807

Pigeon River

North Branch of the Pigeon River

040302021101

Pigeon Lake-Pigeon River

040302021103

South Branch of the Pigeon River

040302021102

Pine River

Lower Pine River

070700020504

Middle Pine River

070700020503

North Branch of the Pine River

070700020502

Upper Pine River

070700020501

Pioneer Creek-Wisconsin River

Buckatabon Creek

070700010306

Lac Vieux Desert-Wisconsin River

070700010302

Muskrat Creek-Wisconsin River

070700010304

Pioneer Creek

070700010305

Portage Creek

070700010301

Rice Creek

070700010307

Sucker Creek-Wisconsin River

070700010308

Tamarack Creek

070700010303

Plover River

Headwaters of the Plover River



070700030101

Jordan Pond-Plover River

070700030103

McDill Pond-Plover River

070700030104

Pike Lake-Plover River

070700030102

Prairie du Sac Dam-Wisconsin River

Hinkson Creek

070700050201

Prairie du Sac Dam-Wisconsin River

070700050206

Prentice Creek-Wisconsin River

070700050205

Rowan Creek

070700050202

Spring Creek

070700050204

Whalen Bay-Wisconsin River

070700050203

Prairie River

Big Hay Meadow Creek

070700020303

Lilly Hay Meadow Creek

070700020305

Lower Prairie River

070700020306

Middle Prairie River

070700020304

North Branch of the Prairie River

070700020302

Upper Prairie River

070700020301

Rainbow Flowage-Mud Creek-Wisconsin River

Little St. Germain Creek

070700010403

Mud Creek

070700010401

Rainbow Flowage-Wisconsin River



Sugar Camp Creek

070700010402

Red River

Mattoon Creek-West Branch of the Red River

040302020501

Miller Creek

040302020504

Moose Lake-Red River

040302020503

Red Lakes-Red River

040302020505

Silver Creek-West Branch of the Red River

040302020502

Rhinelander Flowage-Upper Wisconsin River

Pine Lake Creek

070700010602

Rhinelander Flowage

070700010603

Tom Doyle Creek-Wisconsin River

070700010601

Rocky Creek-Yellow River

East Branch of the Yellow River-Yellow River

070700031103

Headwaters of the Yellow River

070700031101

Owl Creek-Yellow River

070700031106

Puff Creek-Yellow River

070700031105

Rocky Creek

070700031104

South Branch of the Yellow River

070700031102

Rush Creek

Eightmile Creek

040302011001

Rush Creek

040302011002

School Section Creek-Wolf Rive

Navarino Marsh-Wolf River



040302020903 Outagamie State Wildlife Area-Wolf River 040302020904 Schoenick Creek 040302020902 School Section Creek-Wolf River 040302020901 Loon Creek 040302020602 Pickerel Creek 040302020601 Shawano Lake 040302020603 City of Seymour-Black Creek 040302020805 East Branch of the Shioc River 040302020801 Herman Creek 040302020803 Mink Creek-Shioc River 040302020807 **Toad Creek** 040302020804 Village of Black Creek-Black Creek 040302020806 White Lake-Shioc River 040302020802 **Brant Creek** 070700011101 Hay Creek-Somo River 070700011105 Headwaters-Somo River 070700011102 Landwehr Creek-Somo River 070700011104 Little Somo River



South Branch of the Little Wolf River

Nace Creek-South Branch of the Little Wolf River

040302021602

Nichol Creek-South Branch of the Little Wolf River

040302021604

North Branch of the Little Wolf River

040302021603

Peterson Creek

040302021601

040302021605

Spirit River

North Fork Spirit Creek

070700011201

Spirit River

070700011202

Spirit River Flowage

070700011204

Squaw Creek

070700011203

Strongs Prairie Non-contributing Area

Strongs Prairie Non-Contributing Area

070700031801

Swamp Creek

Headwaters-Wolf River

040302020101

Little Rice Lake-Wolf River

040302020102

Metonga Lake-Swamp Creek

040302020104

Spider Creek-Wolf River

040302020106

Squaw Creek-Swamp Creek

040302020105

Upper Post Lake-Wolf River

040302020103

Swan Lake-Fox Rive

Sand Spring Creek-Fox River

040302010101

Swan Lake-Fox River



Tenmile Creek

Ditch number 5-Ditch number 9

070700030502

Non-Contributing-Tenmile Creek

070700030501

South Branch Tenmile Creek

070700030503

Tenmile Creek

070700030504

Trappe River

Little Trappe River-Trappe River

070700020602

Prospect Creek-Trappe River

070700020601

Upper Grand River

Headwaters Grand River

040302010401

Little Green Lake-Grand River

040302010402

Upper Lemonweir River

Brandy Creek-Lemonweir River

070700031507

Dandy Creek-Lemonweir River

070700031508

Jay Creek-East Fork of the Lemonweir River

070700031506

Kreyer Creek-South Fork of the Lemonweir River

070700031504

Lake Tomah-South Fork of the Lemonweir River

070700031501

Mud Creek

070700031502

Sand Creek

070700031505

Water Mill Pond-Lemonweir River

070700031503

Upper Tomahawk River

Arbor Vitae Lakes

070700010801

Cedar Falls-Shishebogama Lake-Tomahawk River



070700010806

Kaubashine Creek

070700010805

Mishonagon Creek-Tomahawk River

070700010803

Squirrel River

070700010804

Tomahawk Lake-Tomahawk River

070700010802

West Branch of the Wolf River

Elma Creek-West Branch of the Wolf River

040302020402

Little West Branch Creek

040302020403

Little West Branch of the Wolf River

040302020401

Neopit Millpond 108-West Branch of the Wolf River

040302020404

West Shore Lake Winnebago

Willow Harbor-Lake Winnebago

040302030102

West Shore of Lake Winnebago

City of Oshkosh-Lake Winnebago

040302030101

Van Dyne Creek-Lake Winnebago

040302030103

White River

Little Lunch Creek-White River

040302010804

Lunch Creek

040302010803

Soules Creek-White River

040302010802

Sucker Creek

040302010805

West Branch White River

040302010801

White River

040302010806

Wood Creek-Rig Rih Rive



Baldwin Creek-Big Rib River
070700020806
Lemke Creek
070700020802
McGinnis Creek
070700020805
Mink Creek-Big Rib River
070700020804
Silvernagel Creek-Big Rib River
070700020803
Wood Creek
070700020801



Attachment 9. List of Level 2 restoration plan HUC-12 areas identified by Aquatic Ecosystem Index scores (sorted alphabetically by HUC-10 watershed name).

Ahnapee River and Stony Creek
Ahnapee River
040301020204
Mashek Creek-Frontal Lake Michigan
040301020205
Rio Creek
040301020202
Silver Creek
040301020203
Stony Creek-Frontal Lake Michigan
040301020201
Allen Creek
Allen Creek
070900040302
City of Evansville-Allen Creek
070900040301
Bad Axe River
Pumpkin Ridge-North Fork Bad Axe River
070600010302
Springville Branch of the Bad Axe River
070600010301
Black Earth Creek
Halfway Prairie Creek
070700050503
Upper Black Earth Creek
070700050501
Black-Little Black Rivers
Correction Creek-Little Black River
070400070103
Cedar Creek
Jackson Marsh State Wildlife Area-Cedar Creek
040400030303
Town of Richfield
040400030301
East and West Branches Milwaukee River-Milwaukee River



Headwaters West Branch Milwaukee River

040400030201

Kettle Moraine Lake-Milwaukee River

040400030202

Village of Kewaskum-Milwaukee River

040400030207

West Branch Milwaukee River

040400030203

East Twin River-Frontal Lake Michigan

East Twin River

040301010105

Jambo Creek

040301010103

Krok Creek-East Twin River

040301010102

Molash Creek-Frontal Lake Michigan

040301010101

Fau Claire River

Bears Grass Creek

070500060503

Fall Creek

070500060504

Thompson Valley Creek

070500060501

Fau Galle River

Carr Creek-Eau Galle River

070500051001

Galena River

Blacks Creek-Galena River

070600050304

Kelsey Branch-Galena River

070600050306

Madden Branch

070600050301

Pats Creek-Galena River

070600050302

Shullsburg Branch

070600050303

Harvey Creek-Buffalo River

Peeso Creek



Brighton Creek 071200040101 **Headwaters Des Plaines River** 071200040103 Jerome Creek-Des Plaines River 071200040104 Kilbourn Road Ditch 071200040102 Livingston Branch 070900030201 Village of Cobb 070900030202 Badger Mill Creek 070900040201 **Headwaters Sugar River** 070900040202 Paoli-Sugar River 070900040203 Casco Creek-Kewaunee River 040301020304 Headwaters Kewaunee River 040301020301 Scarboro Creek 040301020303 **School Creek** 040301020302 Lake Menomin-Red Cedar River Elk Creek 070500071005 Little Sugar River 070900040404 Ward Creek-Little Sugar River 070900040402



Little River-Frontal Lake Michigan

040301050605

Thomas Slough-Frontal Lake Michigan

040301050607

Lowes Creek-Chippewa River

Sherman Creek

070500050701

Manitowoc River-Frontal Lake Michigan

Cato Falls-Manitowoc River

040301010603

Little Manitowoc River-Frontal Lake Michigan

040301010604

Manitowoc River

040301010605

Village of Reedsville-Mud Creek

040301010601

Menomonee River

Little Menomonee River

040400030402

Menomonee River

040400030405

Village of Menomonee Falls-Menomonee River

040400030401

Middle Grant River

Blake Fork

070600030201

Hackett Branch-Grant River

070600030203

Mill Creek

North Mill Creek

071200040201

Milwaukee River-Frontal Lake Michigan

Lincoln Creek

040400030605

Milwaukee River

040400030606

Town of Freedonia-Milwaukee River

040400030602

Muddy Creek-Chippewa Rive

Iron Creek-Muddy Creek



Mullet River

Lower Mullet River

040301010903

Nippersink Creek

Headwaters Nippersink Creek

071200060903

North Branch Milwaukee River

Batavia Creek-North Branch Milwaukee River

040400030103

Lizard Mound State Park

040400030106

North Branch Milwaukee River

040400030107

Silver Creek

040400030104

North Branch Nippersink Creek

West Branch North Branch Nippersink Creek-North Branch Nippersink Creek

071200060801

North Fork Fau Claire River

Goggle-Eye Creek-North Fork Eau Claire River

070500060102

Little Otter Creek-Wolf River

070500060104

Oak Creek-Frontal Lake Michigan

Wind Point-Frontal Lake Michigan

040400020101

Onion River

City of Belgium

040301011002

Lower Onion River

040301011004

Middle Onion River

040301011003

Upper Onion River

040301011001

Otter Creek

Beaver Creek-Otter Creek

070500060401

Piscasaw Creek

Headwaters Piscasaw Creek



070900060303 Lawrence Creek 070900060301 West Branch Piscasaw Creek 070900060302 Leggett Creek 070600030501 East Fork Raccoon Creek 070900031502 **Headwaters Raccoon Creek** 070900031501 Richland Creek **Headwaters Richland Creek** 070900031101 City of Racine-Root River 040400020306 Community of Husher-Root River 040400020305 **Hoods Creek** 040400020304 **Husher Creek-Root River** 040400020303 Root River Canal East Branch Root River Canal 040400020202 **Root River Canal** 040400020204 Village of Union Grove-West Branch Root River Canal 040400020201 West Branch Root River Canal 040400020203 Village of Baldwin-Rush River 070400010501 Cedar Lake



City of Sheboygan Falls-Sheboygan River

040301011108

Community of Mt. Calvary

040301011101

Feldner's Creek-Sheboygan River

040301011103

Headwaters Sheboygan River

040301011102

Kiel Marsh State Wildlife Area-Sheboygan River

040301011106

Otter Creek-Sheboygan River

040301011107

Sheboygan River-Frontal Lake Michigan

040301011109

Sinnisawa River-Mississippi River

Menominee River

070600050201

Sinsinawa River

070600050203

South Fork Apple River-Apple River

South Fork Apple River

070600050502

West Fork Apple River-Apple River

070600050503

Squaw Creek-Fox River

Hoosier Creek

071200061001

Palmer Creek-Fox River

071200061003

Story Creek-Sugar River

Gill Creek-Sugar River

070900040503

Ross Crossing-Sugar River

070900040502

Story Creek

070900040501

Suamico and Little Suamico Rivers-Frontal Green Bay

Headwaters Little Suamico River

040301030201

North Branch Suamico River-Suamico River



040301030205

South and West Branches of the Suamico River

040301030204

Tibbet Creek-Frontal Green Bay

040301030203

Svlvester Creek-Sugar River

Decatur Lake-Sugar Creek

070900040605

Judah Branch

070900040603

Norwegian Creek

070900040602

Sylvester Creek

070900040604

Taylor Creek-Sugar River

Mt Hope Cemetary

070900040704

Taylor Creek

070900040703

Willow Creek

070900040702

Upper Door Peninsula

Big Creek-Frontal Sturgeon Bay

040301020110

Egg Harbor-Frontal Green Bay

040301020108

Lilly Bay Creek

040301020109

Waukegan River-Frontal Lake Michigan

Waukegan River-Frontal Lake Michigan

040400020501

West Branch Sugar River

West Branch Sugar River

070900040103

West Twin River

Black Creek

040301010201

Devils River

040301010202

Francis Creek-West Twin River



040301010204	
Neshota River	
040301010203	
West Twin River	
040301010205	
White River	
Como Creek	
071200060601	
Ore Creek	
071200060603	



Attachment 10. List of Level 2 restoration plan HUC-12 areas identified by Wisconsin's Nutrient Strategy – top group phosphorus watersheds (sorted alphabetically by HUC-10 watershed name).

Ames Branch-Pecatonica River
Ames Branch
07090030305
Bonner Branch
07090030301
Otter Creek
070900030304
Wood Branch
07090030302
Bear Creek-Embarrass River
Township of Deer Creek-Embarrass River
040302021301
Bear Creek-Wolf River
Black Otter Lake-Wolf River
040302021404
Municipality of Stephensville-Bear Creek
040302021402
Town of Greenville-Bear Creek
040302021401
Black River and Sauk and Sucker Creeks-Frontal Lake Michigan
Barr Creek-Frontal Lake Michigan
040301011202
Black River
040301011201
Sauk Creek
040301011204
Sucker Creek-Frontal Lake Michigan
040301011203
Dill Creek-Big Eau Pleine River
Dill Creek
070700021504
East Branch of the Big Eau Pleine River
070700021501
Hamann Creek
070700021506
Noisy Creek-Big Eau Pleine River



070700021507

Porky Creek-Big Eau Pleine River

070700021505

Randall Creek

070700021503

West Branch of the Big Eau Pleine River

070700021502

East Branch Pecatonica River

Whiteside Creek

070900030804

Honey Creek-Pecatonica River

Hawthorn Creek-Honey Creek

070900031004

Honey Creek

070900031005

Jordan Creek

070900031002

Lake Arbutus-Black River

O'Neill Creek

070400070902

Lake Butte des Mortes

Brooks Cemetary

040302011203

Daggetts Creek

040302011202

Lake Butte des Mortes-Fox River

040302011205

Sawyer Creek

040302011204

Spring Brook

040302011201

Little Eau Pleine River

Bear Creek

070700021705

Carlson Creek-Little Eau Pleine River

070700021701

Honey Island Flowage-Little Eau Pleine River

070700021706

McMillan Marsh-Little Eau Pleine River

070700021702



Squaw Creek/Scheuer Creek

070700021703

Wild Creek-Little Eau Pleine River

070700021704

Little Platte Rive

Blockhouse Creek

070600030404

Middle Little Platte River

070600030405

Mounds Branch

070600030401

Upper Little Platte River

070600030402

Lower Grant River

Boice Creek

070600030302

Rattlesnake Creek

070600030301

Mineral Point Branch

Headwaters Mineral Point Branch

070900030102

North Branch Manitowoc River

Headwaters North Branch Manitowoc River

040301010301

North Branch Manitowoc River

040301010303

Spring Creek

040301010302

Popple Rive

North Fork of the Popple River

070400070201

South Fork of the Popple River

070400070202

Rock Creek-Black River

Bear Creek-Rock Creek

070400070403

Municipality of Veefkind-Rock Creek

070400070402

Nelson Creek

070400070401



Rocky Creek-Yellow River

East Branch of the Yellow River-Yellow River

070700031103

Headwaters of the Yellow River

070700031101

Puff Creek-Yellow River

070700031105

South Branch of the Yellow River

070700031102

Sevenmile and Silver Creeks-Frontal Lake Michigan

Centerville Creek-Frontal Lake Michigan

040301010704

Pine Creek-Frontal Lake Michigan

040301010702

Point Creek

040301010703

Sevenmile Creek-Frontal Lake Michigan

040301010705

Silver Creek

040301010701

Shioc River

City of Seymour-Black Creek

040302020805

East Branch of the Shioc River

040302020801

Herman Creek

040302020803

Toad Creek

040302020804

Village of Black Creek-Black Creek

040302020806

South Branch Manitowoc River

City of Chilton-South Branch Manitowoc River

040301010404

Headwaters Killsnake River

040301010406

Headwaters South Branch Manitowoc River

040301010401

Killsnake River

040301010407



Pine Creek

040301010403

South Branch Manitowoc River

040301010408

Stony Brook-South Branch Manitowoc River

040301010402

Upper Grand River

Headwaters Grand River

040302010401

Little Green Lake-Grand River

040302010402

Yellowstone River

Upper Yellowstone River

070900030701



2016 Impaired Waters List

- A. Full Impaired Waters List (Categories 4 and 5)
- B. 2016 Proposed Listings
- C. 2016 Proposed Delistings

Notes

Listing records are provided for each impaired assessment unit (AU) and pollutant combination.

Each waterbody and AU is assigned a unique number; waterbodies are assigned waterbody identification codes (WBIC) and assessment units are assigned WATERS IDs.

The AU/pollutant listings are sorted alphabetically by local waterbody name.

A. Full Impaired Waters List (Categories 4 and 5)

Wisconsin's comprehensive listing of impaired waters. Category 4 waters are those for which EPA-approved Total Maximum Daily Loads (TMDLs) have been developed. Category 5 waters are those for which TMDLs have not yet been developed. This list represents Wisconsin's Section 303(d)-listed waters prepared in fulfillment of Clean Water Act Section 303(d) of the Clean Water Act.

B. 2016 Proposed Listings

Listings proposed to be added in the draft 2016 Impaired Waters List.

C. 2016 Proposed Delistings

Listings proposed to be removed in the draft 2016 Impaired Waters List

A. Full Impaired Waters List (Categories 4 and 5)

	WATERS			Ctort End	Size (Mile						TMDL Creation	
Local Waterbody Name	ID (AU) WBIC	Water Type	County	Mile Mile	OILC (IIIIIC	•	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Adams Valley Creek	14002 1653700	RIVER	La Crosse	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	EAP Project	Not Applicable	TMDL Needed (5A)
Adell Tributary	10092 33000	RIVER	Sheboygan	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Ahnapee River	18073 94800	RIVER	Door, Kewaunee	0 8	8	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Ahnapee River	18073 94800	RIVER	Door, Kewaunee	0 8	8	04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Ahnapee River Airport Road Creek	482923 94800 893239 805200	RIVER RIVER	Door Dane	8 15 0 3	7	04/01/1998 04/01/2016	Other NPS	PCBs Chloride	Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Allen Creek	13625 883700	RIVER	Rock	15 20		04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Allen Creek	13626 883700	RIVER	Rock	20 23		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
7 MIGHT GTGGK	10020 000100	11.72.1	Dane, Green,	20 20		0 1/0 1/2010	. 6,11. 6	Total Tiloophiciae	Bograded Biological Community	r repected for Elec	Modium	TIMBE Hooded (orly
Allen Creek	5542005 883700	RIVER	Rock	23 27	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Alto Creek	11414 835900	RIVER	Dodge	0 6	6	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low flow alterations, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Amacoy Lake	15269 2359700	LAKE	Rusk		278	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Amik Lake, Pike Lake Chain	14815 2268600	LAKE	Vilas		187	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	Natural Conditions (5C)
Amnicon Lake	296831 2858100	LAKE GREAT LAKE	Douglas		390	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Amnicon River Beach, Lake Superior	1487383 2751220	BEACH	Douglas		0	04/01/2016	PS/NPS	E. coli	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Anderson Creek	10987 133300	RIVER	Fond du Lac	0 7	7	04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Anderson Creek	10987 133300	RIVER	Fond du Lac	0 7	7	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Addition	High	TMDL Needed (5A)
Angelo Pond		MPOUNDMEN	NT Monroe		39	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Anna Lake	128391 2953800	LAKE	Vilas		213	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Apple Branch	18546 899800	RIVER	Lafayette	5 8	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2005 (4A)
A I . O I	10000 101100	DIV/ED	Brown,	4 04		04/04/4000	NDO	0	Florida I Water Towns of the Broad of Hills Co.	TMDI A	No. A. Perk	TABL 4
Apple Creek	10839 124100	RIVER	Outagamie	4 24	20	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Apple Creek	10839 124100	RIVER	Brown, Outagamie	4 24	20	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Apple Creek	313933 124100	RIVER	Brown	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Apple Creek	313933 124100	RIVER	Brown	0 4	4	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Apple River Flowage	16550 2624200	LAKE	Polk		639	04/01/2012	Unknown	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Arbutus Lake	18119 181400	LAKE	Forest		161	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Arbutus Lake	14235 1727700	LAKE	Clark, Jackson		839	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
			D. I									
			Dodge, Jefferson,									
Ashippun River	11543 853800	RIVER	Washington, Waukesha	0 33	33	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Ashwaubenon Creek	10834 122200	RIVER	Brown	0 15		04/01/2014	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Ashwaubenon Creek	10834 122200	RIVER	Brown	0 15		04/01/2008	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		
Babb Creek	13003 1279100	RIVER	Sauk	0 6	6	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Bacon Branch	18554 953200	RIVER	Grant	0 6	6	04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Bad Axe River	13966 1639300	RIVER	Vernon	0 4	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Badfish Creek	11652 799500	RIVER	Dane, Rock	0 12	12	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
De West Overst	44050 700500	DIV/ED	D	40 40		04/04/4000	0	DOD:	0. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	000 113-1-1		TMDI No. 1. 1 (5A)
Badfish Creek Badfish Creek	11653 799500 11652 799500	RIVER RIVER	Dane Dane, Rock	12 13 0 12		04/01/1998 04/01/2012	Contam. Sed. NPS	PCBs Total Phosphorus	Contaminated Fish Tissue, Contaminated Sediment Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) Watershed Plan (5W)
Baird Creek	10681 118100	RIVER	Brown	0 12	4	04/01/2012	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Baird Creek	10681 118100	RIVER	Brown	0 4	4	04/01/2006	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Baird Creek	10682 118100	RIVER	Brown	4 13	10	04/01/2008	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Baird Creek	10682 118100	RIVER	Brown	4 13		04/01/2008	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Baker Creek	11460 856000	RIVER	Dodge	0 10		04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Ballard Lake	15235 2340700	LAKE	Vilas		505	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Balsam Lake	16052 2112800	LAKE	Washburn		295	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Baraboo River	12978 1271100	RIVER	Monroe	109 119		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Baraboo River Baraboo River	13023 1271100 944788 1271100	RIVER RIVER	Juneau	101 106			NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	
Baraboo River		KIVEK.		20 60	22	04/01/2014						Phosphorus Listed (5P)
Baraboo River		DI\/ED	Sauk	28 60		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
	944844 1271100	RIVER	Juneau, Sauk	60 87	27	04/01/2014 04/01/2012	PS/NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	TMDL Development	High High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Baraboo River	944844 1271100 944915 1271100	RIVER	Juneau, Sauk Juneau	60 87 87 101	27 15	04/01/2014 04/01/2012 04/01/2012	PS/NPS NPS NPS	Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown	TMDL Development TMDL Development	High High High	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P)
Baraboo River Bark River	944844 1271100 944915 1271100		Juneau, Sauk	60 87	27 15	04/01/2014 04/01/2012	PS/NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development	High High High High	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500	RIVER RIVER RIVER RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson	60 87 87 101 0 28 35 41 0 12	27 15 28 6 12	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/2016	PS/NPS NPS NPS NPS PS/NPS PS/NPS	Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List	High High High High	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P)
Bark River Bark River Bass Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800	RIVER RIVER RIVER RIVER RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock	60 87 87 101 0 28 35 41	27 15 28 6 12 22	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/2016 04/01/2014	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS	Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed	High High High High Not Applicable Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P)
Bark River Bark River Bass Creek Bass Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800	RIVER RIVER RIVER RIVER RIVER LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price	60 87 87 101 0 28 35 41 0 12	27 15 28 6 12 22 84	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/2016 04/01/2014 04/01/1998	PS/NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep.	Total Phosphorus Mercury Mercury	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed	High High High Not Applicable Medium Low Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB)
Bark River Bark River Bass Creek Bass Lake Bass Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800 127945 969600	RIVER RIVER RIVER RIVER RIVER LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln	60 87 87 101 0 28 35 41 0 12	27 15 28 6 12 22 84 100	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/2016 04/01/2014 04/01/2012	PS/NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source	Total Phosphorus Mercury Mercury	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800 127945 969600 128740 970000	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida	60 87 87 101 0 28 35 41 0 12	27 15 28 6 12 22 84 100 74	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2019 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2012	PS/NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep.	Total Phosphorus Mercury Mercury Mercury Mercury	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800 127945 969600 12740 970000 14929 1866900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron	60 87 87 101 0 28 35 41 0 12 0 22	27 15 28 6 12 22 84 100 74	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2014 04/01/1998 04/01/2012 04/01/1998 04/01/1998	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep.	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low Low Low Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) Mercury Atm. Dep. (SB) Mercury Atm. Dep. (SB) Mercury Atm. Dep. (SB)
Bark River Bass Creek Bass Lake	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800 127945 969600 128740 970000 14929 1868900 10083 31400	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan	60 87 87 101 0 28 35 41 0 12 0 22	27 15 28 6 12 22 84 100 74	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low Low Low Low Medium	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Phosphorus Listed (5P)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2279800 127945 969600 128740 970000 14929 1868900 10083 31400	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron	60 87 87 101 0 28 35 41 0 12 0 22	27 15 28 6 12 22 84 100 74 194	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2014 04/01/1998 04/01/2012 04/01/1998 04/01/1998	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep.	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (6P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Bark River Bark River Bass Creek Bass Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER RIVER RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4	27 15 28 6 12 22 84 100 74 194 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. Str. Dep. Atm. Dep. Atm. Dep. Str. Dep. Str. Dep. Str. Dep. Str. Dep.	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Inpairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature	TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 403d Listed 40ddition	High High High High Not Applicable Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Phosphorus Listed (5P) TMDL Needed (5A)
Bark River Bark River Bass Creek Bass Lake Bass Lide Bass Lower Bass Lake Bass Lower Bass Lowe	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 127945 969600 128740 970000 14929 1868900 10083 31400 10083 31400 11487 848300 17627 2891100 1527131 804600 I	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Waukesha Ashland	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 0 4 2 5 0 7	27 15 28 6 12 22 84 100 74 194 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 40ddition TMDL Approved Proposed for List 303d Listed	High High High High Not Applicable Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) TMDL Dept. (5B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Bark River Bark River Bass Creek Bass Lake Bass Creek Bass Creek Bass Clark Bach, Monona Lake Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 18701 2778800 127945 969600 128740 970000 14929 1868900 10083 31400 10083 31400 11487 848300 17627 2891100 1527131 804600 1	RIVER RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7	27 15 28 6 12 22 84 100 74 4 4 4 3 7 0 6	04/01/2014 04/01/2012 04/01/2012 04/01/2015 04/01/2016 04/01/2016 04/01/2018 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dlition TMDL Approved Proposed for List 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low Low Low Low Medium Low Medium Low Low Medium Low Low Low Low Low Low Low Not Applicable Low Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Batavia Creek Batavia Creek Battle Creek Battle Creek Bat Bate Creek Bater Creek Bater Creek Bater Creek BB Clark Beach, Monona Lake Bear Creek BB Carcek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 18701 279800 127945 969600 128740 970000 14929 1868900 10083 31400 11487 848300 11627 2891100 1527131 804600 1 15581 2061900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin	60 87 87 101 0 28 35 41 0 12 0 22 0 22 0 4 0 4 2 5 0 7 2 8 8 10	27 15 28 6 12 22 84 100 74 194 4 4 3 7 0 6	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unital Phosphorus Unital Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 303d Listed 303d Listed 4ddition TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed	High High High High Not Applicable Medium Low Low Low Low Medium Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Batavia Creek Batle Creek Bay City Creek Bay City Creek Bear Creek Bear Creek Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 11792 2278800 127945 969600 128740 970000 14929 1868800 10083 31400 10083 31400 10183 3	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Janeau Sauk, Columbia Waukesha Jefferson Rock Price Lincoin Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin Buffalo	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17	27 15 28 6 12 22 84 100 74 194 4 4 3 7 0 6 3	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2019 04/01/2016 04/01/2016 04/01/2014 04/01/1998 04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dliton TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 40dliton	High High High High Not Applicable Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Aperoved by EPA in 2011 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (6B) Mercury Atm. Dep. (6B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P)
Bark River Bark River Bass Creek Bass Lake Bass Creek Battle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek Bear Creek Bear Creek Bear Creek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11087 848300 17627 2891100 1557131 804600 I 15581 2061900 147082 2061900 1470824 2061900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan Huller Dane Pepin Buffalo, Pepin Buffalo, Pepin	60 87 87 101 0 28 35 41 0 122 0 22 0 4 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2	27 15 28 6 12 22 22 24 100 74 194 4 4 3 7 7 0 6 3 3 7 7	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Sediment/Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 40dition MDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High High Not Applicable Medium Low Low Low Low Medium Low Medium Low Low Medium Low	Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (6P) TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (5P) Mercury Atm. Dep. (5B) TMDL Needed (5A) Phosphorus Listed (5P)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Batavia Creek Batavia Creek Battle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 18701 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11487 848300 17627 2891100 1527131 804600 I 15581 2061900 1470824 2061900 3883349 2061900 3883349 2061900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin Buffalo Pepin Outagamie	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 2 1 2	27 15 28 6 12 22 22 84 100 74 4 4 4 3 7 0 6 3 7 7	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2019 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed TMDL Development	High High High High High Not Applicable Medium Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Battle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek Bear Creek Bear Creek Bear Creek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11087 848300 17627 2891100 1557131 804600 I 15581 2061900 147082 2061900 1470824 2061900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Ashland H Dane Pepin Buffalo, Pepin Buffalo Uatagamie Outagamie	60 87 87 101 0 28 35 41 0 122 0 22 0 4 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2	27 15 28 6 12 22 22 24 100 74 194 4 4 3 7 7 0 6 3 3 7 7	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Sediment/Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 40dition MDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High High Not Applicable Medium Low Low Low Low Medium Low Medium Low Low Medium Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) Phosphorus Listed (SP)
Bark River Bark River Bass Creek Bass Lake Batwia Creek Batavia Creek Batwia Creek Batwia Creek Bear Creek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 18701 795800 18701 279800 127945 969600 128740 970000 14929 1866900 10083 31400 11083 31400 11087 848300 11527131 804600 I 15581 2061900 15582 2061900 1470824 2061900 9791 316000 9792 316000	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin Buffalo Pepin Outagamie Outagamie Outagamie	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 1 2 2 8	27 15 28 6 12 22 84 100 74 4 4 3 7 7 0 6 3 7 2	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed TMDL Development	High High High High High Not Applicable Medium Low Low Low Medium Low Low Medium Low Low Medium Low Low Medium Low Low Low High Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Batavia Creek Batavia Creek Battle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek	944944 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 18701 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11487 848300 17627 2891100 1527131 804600 I 15581 2061900 1470824 2061900 3883349 2061900 3883349 2061900	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Ashland H Dane Pepin Buffalo, Pepin Buffalo Uatagamie Outagamie	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 2 1 2	27 15 28 6 12 22 84 100 74 4 4 3 7 7 0 6 3 7 2	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2019 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 403d Listed 403d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 403d	High High High High High Not Applicable Medium Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Batavia Creek Batavia Creek Batavia Creek Bater Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 127945 969600 128740 970000 14929 18689900 10083 31400 11083 31400 11083 31400 11487 848300 17627 2891100 15581 2061900 155812 2061900 1470824 2061900 1470824 2061900 9791 316000 9792 316000 10414 292100	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoin Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin Buffalo, Pepin Outagamie Outagamie Outagamie Uutagamie Outagamie, Waupaca	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 2 8 8 12 8 12	27 15 28 6 6 12 22 84 100 74 194 4 4 3 7 0 6 6 3 7 2 2	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions Degraded Biological Community	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d	High High High High High Not Applicable Medium Low Low Low Medium Low Low Medium Low Low Medium Low Low Medium Low Low Low High Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Batle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 11831 795800 127945 969600 128740 970000 14929 18668900 10083 31400 10083 31400 11487 848300 17627 2891100 15521 804600 1 15581 2061900 15582 2061900 3883349 2061900 9791 316000 9791 316000 9792 316000 10414 292100 10414 292100 10414 292100	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan H Dane Pepin Buffalo, Pepin Outagamie Outagamie Outagamie, Waupaca Outagamie, Waupaca Wood, Portage	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 1 2 2 8 12 8 12 0 10	27 15 28 6 6 12 22 84 100 74 194 4 4 3 3 7 7 0 6 3 7 2 2 2 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2019 04/01/2016 04/01/2014 04/01/2012 04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Mater Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions Degraded Biological Community Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed Addition TMDL Approved Proposed for List 303d Listed TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development	High High High High Not Applicable Medium Low Low Low Low Medium Low Motham Low Low Medium Low High High High High High High	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Batavia Creek Batwia Creek Bar Creek Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11083 31400 1527131 804600 I 15581 2061900 15582 2061900 147082 2061900 9791 316000 9792 316000 10414 292100 10414 292100 10414 292100 112317 1398700	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Juneau Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan Sheboygan H Dane Pepin Buffalo, Pepin Buffalo Pepin Outagamie, Waupaca Outagamie, Waupaca Wood, Portage Juneau, Monroe	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 11 10 17 0 2 1 2 2 8 8 12 0 10 0 14	27 15 28 6 12 22 84 100 74 194 4 4 3 7 0 6 3 3 7 2 2 6 6	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions Degraded Biological Community	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 40dition TMDL Development TMDL Development Addition Proposed for List 403d Listed 403d Li	High High High High High Not Applicable Medium Low Low Low Medium Low Low Medium Low Low Medium Low Low High High High High High High	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Battel Creek Battel Creek Bay Cify Creek BB Clark Beach, Monona Lake Bear Creek	944844 1271100 944915 1271100 944741 1271100 944741 1271100 310752 813500 15541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 10083 31400 10083 31400 11487 848300 17627 2891100 1552131 804600 1 15581 2061900 1552131 804600 91 1470824 2061900 9791 316000 9791 316000 10414 292100 10414 292100 10414 292100 12317 1398700 13102 1311600	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Juneau Juneau Waukesha Jefferson Rock Price Lincoin Oneida Iron Sheboygan Sheboygan Waukesha Ashland H Dane Pepin Buffalo, Pepin Buffalo Uutagamie Outagamie Outagamie Outagamie Outagamie Waupaca Uvod, Portage Juneau, Monroe Richland	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 10 17 0 2 1 2 2 8 12 8 12 0 10	27 15 28 6 6 12 22 22 84 100 74 194 4 4 4 3 7 7 0 6 6 3 7 2 2 2 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2018 04/01/2018 04/01/2018 04/01/2018 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Biological Community Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Toposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 403d	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Low Low Medium Low Low High High High High High High Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Batavia Creek Batavia Creek Batavia Creek Bay City Creek Bay City Creek Bay City Creek Bear Creek	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 118701 277800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11083 31400 11527131 804600 1 15581 2061900 15582 2061900 15582 2061900 3883349 2061900 3883349 2061900 9791 316000 9792 316000 10414 292100 10414 292100 12317 1398700 13102 1311600 13408 1234600 13408 1234600 13408 1234600 13408 1234600	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Ashland H Dane Pepin Buffalo, Pepin Outagamie, Waupaca Uutagamie, Waupaca Wood, Portage Juneau, Monroe Richland Ashland	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 11 10 17 0 2 1 2 2 8 8 12 0 10 0 14	27 15 28 6 12 22 84 100 74 194 4 4 3 3 7 7 0 6 3 3 7 2 2 4 4 4 4 4 4 4 10 10 10 10 10 10 10 10 10 10 10 10 10	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2014 04/01/2016 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. Atm. Dep. Atm. Dep. Atm. Sep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed TMDL Development TMDL Development TMDL Development Addition Proposed for List TMDL Development 303d Listed 303d Listed 303d Listed 303d Listed	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Low Medium Low Low High High High High High High Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Lake Bass Lake Bass Lake Bass Lake, North Batavia Creek Battel Creek Battel Creek Bay Cify Creek BB Clark Beach, Monona Lake Bear Creek	944844 1271100 944915 1271100 944741 1271100 944741 1271100 310752 813500 15641890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 10083 31400 10083 31400 11487 848300 17627 2891100 1552131 804600 1 15581 2061900 1552131 804600 91 1470824 2061900 9791 316000 9791 316000 10414 292100 10414 292100 10414 292100 12317 1398700 13102 1311600	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE RIVER	Juneau, Sauk Juneau Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan Hashand Hash	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 11 10 17 0 2 1 2 2 8 8 12 0 10 0 14	27 15 28 6 6 12 22 22 84 100 74 194 4 4 4 3 7 7 0 6 6 3 7 2 2 2 6 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2018 04/01/2018 04/01/2018 04/01/2018 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Biological Community Water Quality Use Restrictions	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved Toposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 403d	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Low Low Medium Low Low High High High High High High Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Batle Creek Bay City Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek Bear Lake	944844 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 11831 795800 127945 969600 128740 970000 14929 18668900 10083 31400 10083 31400 10083 31400 11487 848300 17627 2891100 155713 804600 1 15581 2061900 15582 2061900 3883349 2061900 9791 316000 9791 316000 9792 316000 10414 292100 10414 292100 12317 1398700 13102 1311600 13408 1234600 18759 2403200 18759 2403200 127730 552100	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Maukesha Ashland H Dane Pepin Buffalo, Pepin Outagamie, Outagamie Outagamie, Outagamie, Waupaca Outagamie, Waupaca Uneau, Monroe Richland Ashland Forest Washburn,	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 11 10 17 0 2 1 2 2 8 8 12 0 10 0 14	27 15 28 6 6 12 22 84 100 74 194 4 4 3 3 7 7 0 6 3 7 2 2 2 6 4 10 10 10 10 10 10 10 10 10 10 10 10 10	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2018 04/01/2018 04/01/2018 04/01/2018 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions Degraded Biological Community Water Quality Use Restrictions Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Excess Algal Growth	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dlition TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 40dlition TMDL Approved TMDL Development TMDL Development TMDL Development TMDL Development 303d Listed TMDL Development TMDL Development 303d Listed 303d Listed Froposed for List	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Mother Low Low Mother Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA) Mercury Atm. Dep. (SB) Natural Conditions (SC)
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Bark River Bark River Bass Creek Bass Lake Bass Creek Batle Creek Bay City Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek Bear Lake	944844 1271100 944915 1271100 944915 1271100 944741 1271100 310752 813500 15541890 813500 11631 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11083 31400 11527131 804600 1 1557131 804600 1 15581 2061900 15582 2061900 1470824 2061900 9791 316000 9792 316000 10414 292100 10414 292100 10414 292100 13408 1234600 13408 1234600 13408 1234600 13408 1234600 13408 1234600 13773 552100	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER LAKE LAKE LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan Hashand Ashland H Dane Pepin Buffalo, Pepin Buffalo Pepin Outagamie Outagamie Outagamie Outagamie Vaupaca Vaupaca Vood, Portage Juneau, Monroe Richland Ashland Forest Washburn, Barron	60 87 87 101 0 28 35 41 0 12 0 22 0 4 0 4 2 5 0 7 2 8 8 10 11 10 17 0 2 1 2 2 8 8 12 0 10 0 14	27 15 28 6 6 12 22 22 84 100 74 194 4 4 4 3 7 7 0 6 3 3 7 2 2 2 6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2018 04/01/2018 04/01/2018 04/01/2018 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS PS/NPS Atm. Dep. Point Source Atm. Dep. NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus Mercury Unknown Pollutant	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Water Quality Use Restrictions Degraded Biological Community Water Quality Use Restrictions Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Excess Algal Growth	TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 40dition TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed TMDL Development TMDL Development TMDL Development TMDL Development 303d Listed 303d Listed 101 Development 102 Development 103 Development 103 Listed	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Mother Low Low Mother Low	Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) TMDL Needed (SA) Mercury Atm. Dep. (SB) Natural Conditions (SC)
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Dep. Point Source Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus Unknown Pollutant	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Excess Algal Growth Eutrophication, Excess Algal Growth Excess Algal Growth	TMDL Development 303d Listed 403d Listed 303d Listed TMDL Development TMDL Development TMDL Development 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Low Low Medium Low Low High High High High High High Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Dep. (SB) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Needed (SA) TMDL Needed (SA) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA)
Bark River Bark River Bass Creek Bass Lake Bass Creek Battle Creek Battle Creek Bay City Creek BB Clark Beach, Monona Lake Bear Creek Bear Taek Bear Take Bear Lake Bear Lake Bear Lake Bear Lake Bear Lake Bear Lake	944844 1271100 944915 1271100 944915 1271100 944741 1271100 310752 813500 5541890 813500 11631 795800 11831 795800 127945 969600 128740 970000 14929 1868900 10083 31400 11083 31400 11083 31400 15581 2061900 15581 2061900 15582 2061900 3883349 2061900 9791 316000 9791 316000 9791 316000 9791 316000 10414 292100 10414 292100 10414 292100 13408 1234600 13408 1234600 13799 2403200 127730 552100 15985 2105100 15985 2105100 16487 2618100	RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Juneau, Sauk Juneau Sauk, Columbia Waukesha Jefferson Rock Price Lincoln Oneida Iron Sheboygan Sheboygan Sheboygan H Dane Pepin Buffalo, Pepin Outagamie, Waupaca Outagamie, Waupaca Outagamie, Waupaca Usagamie, Waupaca Vood, Portage Juneau, Monroe Richland Forest Washburn, Barron Polk Eau Claire	60 87 87 101 0 28 8 101 0 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1	27 15 28 6 6 12 22 84 100 74 194 4 4 3 3 7 7 0 6 3 7 2 2 2 6 4 4 10 10 6 10 10 10 10 10 10 10 10 10 10 10 10 10	04/01/2014 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	PS/NPS NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS Atm. Dep. Atm. Dep. Atm. Dep. Atm. Dep. Atm. Dep. NPS	Total Phosphorus Mercury Mercury Mercury Mercury Mercury Mercury Mercury Total Phosphorus Unknown Pollutant Sediment/Total Suspended Solids Total Phosphorus E. coli Total Phosphorus Mercury Unknown Pollutant Total Phosphorus	Impairment Unknown Impairment Unknown Impairment Unknown Water Quality Use Restrictions Low DO Impairment Unknown Impairment Unknown Impairment Unknown Contaminated Fish Tissue Impairment Unknown Elevated Water Temperature Degraded Habitat Degraded Biological Community Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Excess Algal Growth Eutrophication, Excess Algal Growth Water Quality Use Restrictions	TMDL Development 303d Listed 4ddition TMDL Approved Proposed for List 303d Listed 303d Listed 303d Listed 4ddition TMDL Development TMDL Development TMDL Development TMDL Development 303d Listed 303d Listed TMDL Development 303d Listed 4ddition Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 4ddition Proposed for List 303d Listed 303d Listed 4ddition Proposed for List	High High High High High Not Applicable Medium Low Low Low Low Medium Low Low Low Medium Low Low High High Low	Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) Phosphorus Listed (SP) TMDL Needed (SA) TMDL Approved by EPA in 2011 (4A) Phosphorus Listed (SP) Mercury Atm. Dep. (SB) TMDL Needed (SA)

	WATERS				Start End							TMDL Creation	
Local Waterbody Name Bearskin Lake	ID (AU) 128040	WBIC 1523600	Water Type LAKE	County Oneida	Mile Mile	or Acres) 400	Date Listed 04/01/2016	Source Category PS/NPS	Pollutant Unknown Pollutant	Impairment Indicator Excess Algal Growth	Impaired Water Status Addition	Priority Low	Listing/Delisting Details Natural Conditions (5C)
Bearskin Lake	128040			Oneida		400	04/01/2010	Unknown	Total Phosphorus	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
Beaver Creek	10008	20000	RIVER	Milwaukee	0 3	3	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Beaver Creek		1314000		Juneau, Monroe	0 4	4	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Beaver Creek	10008	20000	RIVER	Milwaukee	0 3	3	04/01/1998	NPS	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Beaver Creek	11418	836500	RIVER	Dodge, Columbia	0 14	14	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Beaver Creek	12479	1459300		Marathon	0 5	5	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Beaver Dam Lake	11411	835100	LAKE	Dodge		6,402	04/01/2010	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Beaver Dam River	11397	831400	RIVER	Dodge	0 11	11	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Beaver Dam River	11397	831400	RIVER	Dodge	0 11	11	04/01/1998	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	TMDL Approved	Not Applicable	
Beaver Dam River Beaver Dam River	356616 356616	831400 831400	RIVER	Dodge Dodge	11 14 11 14	3	04/01/1998	PS/NPS PS/NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Low DO		Not Applicable Not Applicable	
Beaver Dam River	356663	831400	RIVER	Dodge	14 30	16	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat		Not Applicable	
Beaver Dam River		831400		Dodge	14 30	16	04/01/1998	PS/NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2011 (4A)
Beaver Lake		1834400		Chippewa		15	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Becker Lake	9920	77300	LAKE	Calumet		32	04/01/2016	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A)
Becky Creek Belleville Millpond (61 ac)	15277 902204	2369600 886000) RIVER LAKE	Rusk Dane	0 1	1 88	04/01/2004	NPS PS/NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat	TMDL Approved Proposed for List	Not Applicable Medium	TMDL Approved by EPA in 2005 (4A) TMDL Needed (5A)
Big Arbor Vitae Lake	128406	1545600		Vilas		1.090	04/01/2016	PS/NPS	Unknown Pollutant	Impairment Unknown, Excess Algal Growth Excess Algal Growth	Proposed for List	Low	Natural Conditions (5C)
Big Bass Lake		1405200		Marathon		177	04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Big Blake Lake (Blake)		2627000		Polk		217	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Big Butternut Lake		2641000		Polk		378	04/01/2012	Other	Total Phosphorus	Excess Algal Growth	303d Listed	Low	Natural Conditions (5C)
Big Creek		1692900		Monroe	1 6	5	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Big Creek Big Doctor Lake	1527961 16690	2453400		Monroe Burnett	0 1	1 212	04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Excess Algal Growth	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Big Dummy Lake		1835100		Barron		111	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Big Eau Pleine Flowage			IMPOUNDMENT			4,909	04/01/1998	NPS	Total Phosphorus	Low DO, Eutrophication, Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Big Eau Pleine River	12398	1427200	RIVER	Marathon	0 17	17	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
Big Eau Pleine River		1427200		Marathon	17 22	5	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
Big Eau Pleine River Big Fork Lake	128044	1427200		Marathon Oneida	22 46	23 690	04/01/1998	NPS Atm. Dep.	Total Phosphorus Mercury	Low DO Contaminated Fish Tissue	TMDL Development 303d Listed	High Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Big Fork Lake	128044			Oneida		690	04/01/1998	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Big Lake	128045			Oneida		865	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Big Lake		2615900		Polk		259	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Big Lake	128045	1613000) LAKE	Oneida		865	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Big Mckenzie Lake	47400	2706800) LAKE	Burnett, Washburn		4 405	04/04/0044	NPS	Unknown Pollutant	Fueres Aleal County	303d Listed	Low	TMDL Needed (5A)
Big Moon Lake		2079000		Barron		1,185 191	04/01/2014 04/01/2014	NPS	Total Phosphorus	Excess Algal Growth Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Big Patch Creek		944600	RIVER	Grant	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat			TMDL Approved by EPA in 2006 (4A)
Big Rib River	313263			Marathon	0 14	14	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Big Saint Germain Lake	128411			Vilas		1,617	04/01/2014	NPS	Total Phosphorus	Impairment Unknown, Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Big Sand Lake	128410			Vilas		1,408	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Big Stone Lake	128046 128046	1612200		Oneida Oneida		548 548	04/01/1998 04/01/2014	Atm. Dep. NPS	Mercury Total Phosphorus	Contaminated Fish Tissue Impairment Unknown	303d Listed TMDL Development	Low	Mercury Atm. Dep. (5B) Phosphorus Listed (5P)
Big Stone Lake Big Twin Lake	11025	146500	LAKE	Green Lake		78	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High High	TMDL Needed (5A)
Bird Lake	128863	972000	LAKE	Oneida		99	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Black Creek		1458200		Marathon	0 15	15	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Black Creek	12475	1458200) RIVER	Marathon	15 20	5	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
				Outagamie,									
Black Creek Black Earch Creek	337866 5696531	317100	RIVER RIVER	Shawano Dane	16 28 7 11	12 4	04/01/2016 04/01/2016	PS/NPS PS/NPS	Total Phosphorus Unknown Pollutant	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A) TMDL Needed (5A)
Black Earth Creek		1248600		Dane Dane, Iowa	0 7	7	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community Degraded Biological Community	Proposed for List Proposed for List	Low	TMDL Needed (5A)
Didok Editi Orock	10474	1240000	KIVEK	Danc, lowa	· '		04/01/2010	1 0/141 0	Officiowit i officialit	Degraded Biological Community, Elevated Water	i ioposca ioi List	LOW	TWIDE NECOCO (5/1)
Black Earth Creek	13475	1248600	RIVER	Dane	11 17	6	04/01/2016	PS/NPS	Unknown Pollutant	Temperature	Proposed for List	Low	TMDL Needed (5A)
Black Lake (Birch)		2401300		Ashland, Sawyer		129	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Black Otter Lake (Hortonville)	9789	315600	LAKE	Outagamie	100 100	75	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Black R. (Below Medford) Black R. (Below Medford)		1676700		Clark, Taylor Clark, Taylor	133 168 133 168	36 36	04/01/2016 04/01/1998	PS/NPS Other	Total Phosphorus Mercury	Impairment Unknown Contaminated Fish Tissue	Addition 303d Listed	Medium Low	Phosphorus Listed (5P) TMDL Needed (5A)
Black River		1676700		Jackson	61 74	14	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
				Jackson,					,				
				Trempealeau, La									
Black River		1676700		Crosse	0 24	24	04/01/2004	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Black River	14215	1676700	RIVER	Clark Jackson,	77 91	13	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
				Trempealeau, La									
Black River	18627	1676700	RIVER	Crosse	0 24	24	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Black River	11346	50300	RIVER	Sheboygan	0 11	11	04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Black River	14215	1676700) RIVER	Clark	77 91	13	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
				Jackson,									
Black River	18627	1676700	RIVER	Trempealeau, La Crosse	0 24	24	04/01/2004	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Didok (Kive)	10027	1070700	KIVEK	010330	0 2-7	27	04/01/2004	Otrici	1 003	Contaminated Fish Fissac	JOGG LISICG	LOW	TWIDE Needed (671)
Black River		1676700		Jackson, Monroe		36	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Black River, Hwy H To Rock Creek		1676700		Clark	98 107	9	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Black River, Hwy H To Rock Creek		1676700		Clark	98 107	9	04/01/1998	PS/NPS	Unknown Pollutant	Low DO	303d Listed	Low	TMDL Needed (5A)
Blackhawk Creek Blackhawk Lake		797000 1239400	RIVER LAKE	Rock	2 4	2 220	04/01/1998 04/01/2016	NPS PS/NPS	Sediment/Total Suspended Solids Unknown Pollutant	Degraded Habitat, Turbidity Excess Algal Growth	TMDL Approved Proposed for List	Not Applicable Low	TMDL Approved by EPA in 2011 (4A) TMDL Needed (5A)
Bladder Lake	890888			Bayfield		84	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Blake Fork		962000	RIVER	Grant	0 17	17	04/01/1990	PS/NPS	Unknown Pollutant	Degraded Biological Community	Addition	Low	TMDL Needed (5A)
Blake Fork	13917	962000	RIVER	Grant	0 17	17	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Blockhouse Lake	14782	2256800		Price		242	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Plus Harbar Passh I alia Mishisasa	2000404	20	GREAT LAKES	Chohausan		^	04/04/0040	DC/NDC	E c=1:	Pagragianal Pagristics - Dathers	Droponed for Lie	1.6	TMDI Nocded (5A)
Blue Harbor Beach, Lake Michigan Blue River	3899491	20 1211000	BEACH RIVER	Sheboygan Grant	0 18	0 18	04/01/2016 04/01/2012	PS/NPS NPS	E. coli Total Phosphorus	Recreational Restrictions - Pathogens	Proposed for List 303d Listed	Low	TMDL Needed (5A) Phosphorus Listed (5P)
Blue River		1211000		lowa	0 18 32 35	3	04/01/2012	NPS NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Bohris Valley Creek		1774200		Buffalo	0 5	5	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Boice Creek	13902	956200	RIVER	Grant	0 16	16	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Bone Lake T35n R16w S06	16565	2628100) LAKE	Polk		1,781	04/01/2012	PS/NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)

	WATERS						Size (Miles						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County Calumet,	Mile	Mile	or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Boot Lake	9921	77600	LAKE	Manitowoc			11	04/01/2016	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A)
Bostwick Creek	13989	1650900		La Crosse	0	4	4	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Botana Valley Creek	14350	1775700		Buffalo	0	6	6	04/01/2016	PS/NPS NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Bower Creek Bower Creek	10683 10683	118400 118400	RIVER RIVER	Brown Brown		3	3	04/01/2008 04/01/2008	NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Low DO, Degraded Biological Community	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2012 (4A) TMDL Approved by EPA in 2012 (4A)
Bower Creek	10684	118400	RIVER	Brown		13	10	04/01/2008	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Bower Creek	10684	118400	RIVER	Brown	3	13	10	04/01/2008	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Braezels Branch	13695	900700	RIVER	Green, Lafayette		4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Branch River	482183	71300	RIVER	Manitowoc	12	20	8	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Propoh Divor	482239	71300	RIVER	Brown,	20	27	17	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDI Needed (EA)
Branch River Branch River (Main Stem)	9899	71300	RIVER	Manitowoc Manitowoc	20	37 12	12	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Brewer Creek	13069	1305000		Juneau	7	9	2	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
						_		0.000,000			Degraded Biological Community, Impairment			1 1100 2 2010 2 (01)
Brewer Creek	18447	1305000		Juneau	0	7	7	04/01/2014	NPS	Total Phosphorus	Unknown	TMDL Development	High	TMDL Needed (5A)
Brewery Creek	13815	928600	RIVER	lowa	0	3	3	04/01/1998	PS/NPS	Zinc	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Brewery Creek	13815	928600 2130600	RIVER RIVER	lowa Eau Claire	0	3	3	04/01/1998 04/01/2014	PS/NPS	Lead Total Phosphorus	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A) Phosphorus Listed (5P)
Bridge Creek Bridge Creek		2130600		Eau Claire	0 4	9	6	04/01/2014	NPS PS/NPS	Total Phosphorus	Impairment Unknown Impairment Unknown	303d Listed 303d Listed	Low	Phosphorus Listed (5P)
Brule River Flowage			IMPOUNDMENT	Florence		3	210	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Brule River State Forest Beach #3, Lake	000000	701100	GREAT LAKES	Tioronoo			210	0 1/0 1/2002	Aum Bop.	morodry	Comaminated Field Floods	0000 2,0100	20	mercury / mm. 2-op. (e.2)
Superior	1452476	2751220	BEACH	Douglas			1	04/01/2016	PS/NPS	E. coli	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Buckskin School Creek	13685		RIVER	Green	0	7	7	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Buell Valley Creek	14460	1813100	RIVER	Buffalo	0	2	2	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2005 (4A)
Duffele Dive	4.4400	4040000	DIV (ED	Buffalo,	_	40	40	04/04/0040	NDO		Degraded Biological Community, Water Quality Use	202411-1-1	Le	TMDI No. 1: 1(5A)
Buffalo River Buffalo River	14468 14496	1813900 1813900		Trempealeau Trempealeau	0 45		42 12	04/01/2012	NPS PS/NPS	Total Phosphorus Total Phosphorus	Restrictions Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Buffalo River		1813900		Trempealeau		70	12	04/01/2014	PS/NPS PS/NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Bull Br	13880	953100	RIVER	Grant		2	2	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Bull Branch	13836	936400	RIVER	Lafayette	0		4	04/01/2010	Other	Zinc	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Bull Branch	13836	936400	RIVER	Lafayette	0	4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Bullhead Lake	9881	68300	LAKE	Manitowoc			67	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Bullhead Lake	9881	68300	LAKE	Manitowoc			67	04/01/2012	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Medium	TMDL Needed (5A)
Burgy Creek	13638	880500	RIVER	Green		11	11	04/01/2004	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Butler Ditch Butternut Lake	10040 14864	18100 2283300	RIVER LAKE	Waukesha Ashland, Price	0	3	3 1,006	04/01/2010 04/01/1998	Other Atm. Dep.	Fecal Coliform Mercury	Recreational Restrictions - Pathogens Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Butternut Lake	14864	2283300		Ashland, Price			1,006	04/01/1990	Unknown	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Butternut Earle	14004	2200000	Date	Admand, 1 fice			1,000	04/01/2012	OTIMIOWIT	Total Friosprioras	Low DO. Elevated Water Temperature. Degraded	JOGG LISICG	LOW	TWIDE Needed (6/1)
Byron Creek	10995	137400	RIVER	Fond du Lac	2	7	6	04/01/2006	NPS	Sediment/Total Suspended Solids	Habitat	TMDL Development	High	TMDL Needed (5A)
Byron Creek	1452243		RIVER	Fond du Lac	0	2	2	04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Calamus Creek	11423	834900	RIVER	Dodge	0	17	17	04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Calamus Creek	11423	834900	RIVER	Dodge	0	17	17	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Caldron Falls Reservoir (Imp)	11949	545400	IMPOUNDMENT	Oconto, Marinette			1,018	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Callahan Lake		2434700		Sawyer			106	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
										, ,	Degraded Biological Community, Impairment			, , ,
Cambra Creek (Canada)	11417	836200	RIVER	Dodge	0	3	3	04/01/2012	NPS	Total Phosphorus	Unknown	303d Listed	Low	TMDL Needed (5A)
Camp Lake	15112	1839100		Vilas			37	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Carpenter Creek	10784	248800	RIVER	Waushara			6	04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2004 (4A)
Carpenter Creek Carstens Lake	10784 9869	248800 66800	RIVER LAKE	Waushara Manitowoc	0	6	6 21	04/01/2016 04/01/2014	PS/NPS NPS	Unknown Pollutant Total Phosphorus	Elevated Water Temperature Eutrophication, Excess Algal Growth	Addition 303d Listed	Low Medium	TMDL Needed (5A) TMDL Needed (5A)
Cary Millpond	10297	262400	LAKE	Waupaca			26	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Casper Creek	11401	832100	RIVER											
Castle Rock Flowage	101001			Dodge	0	2	2	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Castle Rock Flowage	424081	1345700	IMPOUNDMENT	Dodge Adams, Juneau		2	2 12,386	04/01/1998 04/01/1998	NPS Contam. Sed.	Sediment/Total Suspended Solids Dioxin	Degraded Habitat Contaminated Fish Tissue	TMDL Approved Deletion	Not Applicable Not Applicable	TMDL Approved by EPA in 2011 (4A) Removed: Recovery Unknown
Cat Creek			IMPOUNDMENT IMPOUNDMENT	Adams, Juneau		2				Dioxin Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions	Deletion TMDL Development		Removed: Recovery Unknown TMDL Needed (5A)
	424081 12232	1345700 1370700	IMPOUNDMENT IMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood	0	2	12,386	04/01/1998 04/01/1998 04/01/2014	Contam. Sed. PS/NPS NPS	Dioxin Total Phosphorus Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions	Deletion TMDL Development TMDL Development	Not Applicable High High	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A)
Cazenovia Branch	424081 12232 13010	1345700 1370700 1283100) IMPOUNDMENT) IMPOUNDMENT) RIVER) RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk	0	2	12,386 12,386 2 1	04/01/1998 04/01/1998 04/01/2014 04/01/2014	Contam. Sed. PS/NPS NPS NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown	Deletion TMDL Development TMDL Development TMDL Development	Not Applicable High High High	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P)
	424081 12232	1345700 1370700	IMPOUNDMENT IMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee	0	2	12,386 12,386	04/01/1998 04/01/1998 04/01/2014	Contam. Sed. PS/NPS NPS	Dioxin Total Phosphorus Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions	Deletion TMDL Development TMDL Development	Not Applicable High High High	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek	424081 12232 13010 10051	1345700 1370700 1283100 21300	O IMPOUNDMENT O IMPOUNDMENT O RIVER O RIVER RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee,	0 0 0	2 1 5	12,386 12,386 2 1 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved	Not Applicable High High High Not Applicable	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A)
Cazenovia Branch	424081 12232 13010 10051 1437248	1345700 1370700 1283100 21300	O IMPOUNDMENT O IMPOUNDMENT O RIVER O RIVER RIVER RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee	0 0 0	2	12,386 12,386 2 1	04/01/1998 04/01/1998 04/01/2014 04/01/2014	Contam. Sed. PS/NPS NPS NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown	Deletion TMDL Development TMDL Development TMDL Development	Not Applicable High High High Not Applicable Medium	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P)
Cazenovia Branch Cedar Creek Cedar Creek	424081 12232 13010 10051 1437248	1345700 1370700 1283100 21300	O IMPOUNDMENT O IMPOUNDMENT O RIVER O RIVER RIVER RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington	0 0 0	2 1 5	12,386 12,386 2 1 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond	424081 12232 13010 10051 1437248 18873 11290 11271	1345700 1370700 1283100 21300 3 21300 2615100 21700 8500	DIMPOUNDMENT DIMPOUNDMENT RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee	0 0 0	2 1 5	12,386 12,386 2 1 5 28 1,120 15 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/1998 04/01/2012 04/01/2012	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond	424081 12232 13010 10051 1437248 18873 11290 11271 11271	1345700 1370700 1283100 21300 3 21300 2615100 21700 8500 8500	D IMPOUNDMENT D IMPOUNDMENT D RIVER D RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Moad Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee	0 0 0 5	2 1 5	12,386 12,386 2 1 5 28 1,120 15 5	04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/2012 04/01/2012 04/01/2012	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed 303d Listed 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable Not Applicable Low Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek	424081 12232 13010 10051 1437248 18873 11290 11271 11271 13366	1345700 1370700 1283100 21300 2615100 21700 8500 8500 1225800	O IMPOUNDMENT IMPOUNDMENT O RIVER O RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee Richland	0 0 0	2 1 5	12,386 12,386 2 1 5 28 1,120 15 5 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/2019	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Agal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community	Deletion TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed 303d Listed Proposed for List	Not Applicable High High High Not Applicable Medium Not Applicable Low Low Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain)	424081 12232 13010 10051 1437248 18873 11290 11271 11271 13366 128069	1345700 1370700 1283100 21300 21300 2615100 21700 8500 8500 1225800 1598000	D IMPOUNDMENT IMPOUNDMENT O RIVER O RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Oneida	0 0 0 5	2 1 5	12,386 12,386 2 1 5 28 1,120 15 5 5 5 2 219	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS PS/NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed Addition	Not Applicable High High High Not Applicable Medium Not Applicable Not Applicable Low Low Low High	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C)
Cazenovia Branch Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain)	424081 12232 13010 10051 1437248 18873 11290 11271 11271 113366 128069 128069	1345700 1370700 1283100 21300 21300 3 21300 2615100 21700 8500 8500 1225800 1598000 1598000	O IMPOUNDMENT O IMPOUNDMENT O RIVER O RIVER O RIVER O LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee, Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Richland Oneida Oneida	0 0 0 5	2 1 5 33	12,386 12,386 2 1 5 28 1,120 15 5 2 219 219	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. PS/NPS Contam. Sed. PS/NPS Atm. Dep.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed Proposed for List Addition Deletion	Not Applicable High High High Not Applicable Medium Not Applicable Low Low Low High Not Applicable	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Ratural Conditions (5C) Removed: Recovery Unknown
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaise Creek Chain Cake Creek	424081 12232 13010 10051 1437248 18873 11290 11271 11271 13366 128069 128069 18575	1345700 1370700 1283100 21300 2615100 21700 8500 8500 1225800 1598000 965800	O IMPOUNDMENT IMPOUNDMENT O RIVER O RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Oneida	0 0 0 5	2 1 5 33	12,386 12,386 2 1 5 28 1,120 15 5 5 5 2 219	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Hish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed Proposed for List Addition Deletion 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable Not Applicable Low Low Low High Not Applicable	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain)	424081 12232 13010 10051 1437248 18873 11290 11271 11271 13366 128069 128069 18575 891683	1345700 1370700 1283100 21300 21300 2615100 21700 8500 1225800 1598000 1598000 2753770	O IMPOUNDMENT O IMPOUNDMENT O RIVER O RIVER O RIVER O LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee Aichland Oneida Oneida Grant Ashland	0 0 0 5	2 1 5 33	12,386 12,386 2 1 5 28 1,120 15 5 2 219 219	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed Proposed for List Addition Deletion	Not Applicable High High High Not Applicable Medium Not Applicable Low Low Low High Not Applicable	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Ratural Conditions (5C) Removed: Recovery Unknown
Cazenovia Branch Cedar Creek Cedar Lake Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chaes Creek Chequamegon Bay (Ashland Coal Tar Site)	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 128069 18575 891683 16206	1345700 1370700 1283100 21300 2615100 8500 8500 1225800 1598000 965800 2753770 2160700	D IMPOUNDMENT D IMPOUNDMENT O RIVER RIVER RIVER C RIVER C LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Grant Ashland Taylor	0 0 0 5	2 1 5 33	12,386 12,386 2 1 5 28 1,120 15 5 5 2 219 219 1 17 2,714	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. PS/NPS Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions,	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved TMDL Approved 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Matrual Conditions (5C)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 128069 18575 891683 16206	1345700 1370700 1283100 21300 21300 2615100 21700 8500 1225800 1598000 965800 2753770 2160700	DIMPOUNDMENT DIMPOUNDMENT ORIVER DIRIVER RIVER RIVER DILAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee, Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Richland Oneida Grant Ashland Taylor	0 0 0 5	2 1 5 33	12,386 12,386 2 1 5 28 1,120 15 5 5 2 219 219 219 1 17 2,714	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 903d Listed Proposed for List Addition Deletion 303d Listed 303d Listed 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low Low Low High Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chaese Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Cherokee Creek Cherokee Creek	12232 13010 10051 1437248 18873 11290 11271 11326 128069 128069 128069 128069 16575 891683 16206 9977	1345700 1370700 1283100 21300 21300 2615100 21700 8500 8500 1598000 1598000 2753770 2160700 15250	MIPOUNDMENT IMPOUNDMENT ORIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE LAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Richland Oneida Grant Ashland Taylor Milwaukee	0 0 0 5 5	2 1 5 33 2 2 1	12,386 12,386 2 1 1 5 28 1,120 15 5 5 2 219 219 1 17 2,714 2,714	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/2014 04/01/1998 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS NPS Contam. Sed. PS/NPS Contam. Sed. Point Source Contam. Sed. PS/NPS PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Other	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Fish Tissue Eversian Excess Algal Growth Excess Algal Growth Recreational Restrictions - Pathogens	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Cherokee Creek Cherry Branch	424081 12232 13010 10051 1437248 18873 11290 11271 11271 11271 128069 128069 128069 18575 891683 16206	1345700 1370700 1283100 21300 221300 221300 2215100 21700 8500 1225800 1225800 965800 2753770 2160700 15250 898500	D IMPOUNDMENT D IMPOUNDMENT D RIVER RIVER RIVER D LAKE LAKE LAKE LAKE LAKE LAKE LAKE D LAKE LAKE D LAKE RIVER D BAY/HARBOR D IMPOUNDMENT RIVER RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Tozaukee Ozaukee Richland Oneida Oneida Grant Ashland Taylor Taylor Milwaukee Lafayette	0 0 0 5 5	2 1 5 33 2 2 1	12,386 12,386 2 1 5 28 1,120 15 5 5 2 219 219 1 1,72,714 2,714 2	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Other NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fedal Collform Sediment/Total Suspended Solids	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Cherokee Creek Cherry Branch Cherry Branch Cherry Branch	424081 12232 13010 10051 1437248 18873 11290 11271 113366 128069 18575 891683 16206 16206 9977 13688	1345700 1370700 1283100 21300 21300 22615100 21700 8500 8500 1225800 1598000 2753770 2160700 2160700 15250 898500 898900	DIMPOUNDMENT DIMPOUNDMENT ORIVER DIRIVER DIRIVER DIRIVER DILAKE LAKE LAKE LAKE LAKE DILAKE RIVER DIMPOUNDMENT DIMPOUNDMENT RIVER RIVER RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee, Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Richland Oneida Oneida Grant Ashland Taylor Milwaukee Lafayette Lafayette	0 0 0 5 5	2 1 5 33 2 2 1	12,386 12,386 2 2 1 5 28 1,120 15 5 5 2 219 219 1 17 2,714 2,714 2	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/1998 04/01/1998 04/01/2014 04/01/2010 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS NPS Contam. Sed. PS/NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. PS/NPS Atm. Dep. NPS Cotham. Sed. NPS Other NPS Other NPS NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat, Turbidity	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed TMDL Approved 303d Listed Proposed for List Addition Deletion 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaese Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chequamegon Flowage Chery Branch Cherry Branch Chetek Lake	424081 12232 13010 10051 1437248 18873 11290 11271 11271 128069 128069 18575 891683 16206 19977 13688 352979 15815	1345700 1370700 1370700 1283100 21300 21300 2615100 21700 8500 1225800 1598000 965800 2753770 2160700 15250 898500 898500 898900	D IMPOUNDMENT D IMPOUNDMENT D RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE LAKE LAKE D LAKE LAKE D LAKE LAKE D LAKE D LAKE D LAKE D LAKE RIVER D LAKE RIVER D LAKE RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Toix Oneida Oneida Oneida Taylor Taylor Miliwaukee Lafayette Lafayette Barron	0 0 0 0 0 0 0 0 0	2 1 5 33 2 2 1 1	12,386 12,386 2 1 5 28 1,120 15 5 5 219 219 1 17 2,714 2,714 2 7	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed Proposed for List Addition Deletion 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) Natural Conditions (5C)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Cherokee Creek Cherry Branch Chetek Lake Chetek River	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 881683 16206 16206 9977 13688 352979 15515	1345700 1370700 1283100 21300 21300 21300 215100 21700 8500 8500 1598000 1598000 2753770 2160700 15250 898500 898900 2094000	DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT RIVER DIMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee, Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Cozaukee Richland Oneida Oneida Grant Taylor Taylor Milwaukee Lafayette Lafayette Barron Barron	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 5 33 2 2 1 1 2 2 7 2 5 5	12,386 12,386 2 2 1 5 28 1,120 15 5 5 2 219 219 1 17 2,714 2,714 2	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/2014 04/01/2014 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019	Contam Sed. PS/NPS NPS NPS NPS Contam Sed. PS/NPS NPS Contam Sed. Point Source Contam Sed. PS/NPS Atm. Dep. NPS Atm. Dep. NPS Other NPS Other NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat, Turbidity	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed Proposed for List Addition Deletion 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Approved by EPA in 2005 (4A) Natural Conditions (5C) TMDL Needed (5A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaese Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chequamegon Flowage Chery Branch Cherry Branch Chetek Lake	424081 12232 13010 10051 1437248 18873 11290 11271 11271 113366 128069 18575 891683 16206 9977 13688 352979 15815 15795	1345700 1370700 1370700 1283100 21300 21300 2615100 21700 8500 1225800 1598000 965800 2753770 2160700 15250 898500 898500 898900	DIMPOUNDMENT IMPOUNDMENT ORIVER RIVER RIVER OLAKE LAKE LAKE LAKE LAKE LAKE ORIVER OLAKE NIVER OLAKE NIVER OLAKE NIVER OLAKE NIVER OLAKE RIVER OLAKE OLAKE RIVER OLAKE RIVER RIVER RIVER RIVER OLAKE RIVER RIVER RIVER OLAKE OLAKE OLAKE RIVER RIVER OLAKE	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Toix Oneida Oneida Oneida Taylor Taylor Miliwaukee Lafayette Lafayette Barron	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 7 2 5 60	12,386 12,386 2 1 5 28 1,120 15 5 5 5 2 219 219 219 1,7 2,714 2,714 2,714 2,770 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat, Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed Proposed for List Addition Deletion 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) Natural Conditions (5C)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Cherokee Creek Cherry Branch Cherty Branch Chetek Lake Chetek River Chippewa R At Eau Claire	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 891683 16206 16206 9977 13688 352979 15815 15795 889320 889320	1345700 1370700 1283100 21300 21300 21300 2615100 21700 8500 1225800 965800 2753770 2160700 2160700 2160700 295800 294000 2089000 2089000	DIMPOUNDMENT DIMPOUNDMENT ORIVER DI RIVER RIVER RIVER DI LAKE LAKE LAKE LAKE LAKE DI LAKE RIVER DI LAKE RIVER RIVER DI LAKE DI RIVER DI R	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee, Ozaukee, Washington Polk, Saint Croix Ozaukee Czaukee Richland Oneida Grant Ashland Taylor Milwaukee Lafayette Lafayette Barron Barron Eau Claire Eau Claire Eau Claire Chippewa	0 0 0 0 0 0 0 0 0 59	2 1 5 33 2 2 1 1 2 7 2 5 60 60 60	12,386 12,386 2 1 5 28 1,120 15 5 2 219 1 17 2,714 2 7 7 2 770 5	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2008 04/01/2008	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Other NPS Other NPS Other NPS Other NPS Contam. Sed. Atm. Dep. NPS Other NPS Contam. Sed. Contam. Sed. Atm. Dep. NPS	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus PCBs Unspecified Metals PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat Degraded Habitat Tegraded Habitat Degraded Habitat Tegraded Habitat Degraded Habitat Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High High Not Applicable Medium Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaec Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chery Branch Cherry Branch Chertek Lake Chetek River Chippewa R At Eau Claire	424081 12232 13010 10051 1437248 18873 11290 11271 11271 113366 128069 18575 891683 16206 9977 13688 352979 15815 15795 899320 8894320 889432	1345700 13707700 1283100 21300 21300 21300 21300 21300 21700 8500 8500 1598000 1598000 2753770 2160700 15250 898500 2094000 2094000 20500000 20500000 20500000	DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Tozaukee Ozaukee Ozaukee Richland Oneida Oneida Oneida Taylor Taylor Milwaukee Lafayette Lafayette Lafayette Barron Barron Barron Eau Claire Eau Claire Eau Claire Eau Claire	0 0 0 0 5 5 0 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 7 2 5 60 60 80 21	12,386 12,386 2 1 1 5 28 1,120 15 5 5 5 219 219 11 17 2,714 2,714 2 7 1 1 1 3 21	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998 04/01/2098 04/01/2098 04/01/2098 04/01/2098 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus PCBs Unspecified Metals PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Ha	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2003 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chaise Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Cherokee Creek Cherry Branch Cherry Branch Cherry Branch Chetek Lake Chippewa R At Eau Claire Chippewa R At Eau Claire Chippewa R At E Wissota Chippewa R At L Wissota Chippewa River	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 891683 16206 16206 9977 13688 352979 15815 15795 889320 889320 889349 18763	1345700 1370700 1283100 21300 21300 21300 2615100 21700 8500 8500 1598000 1598000 2150700 2160700 2160700 2160700 2094000 20950000 2050000 2050000 2050000	DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER DIMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Ozaukee Caukee Ozaukee Richland Oneida Oneida Grant Ashland Taylor Taylor Milwaukee Lafayette Lafayette Barron Barron Eau Claire Chippewa Buffalo, Pepin Pepin, Dunn	0 0 0 0 5 5 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 2 7 2 5 60 60 80 80 21 33 88	12,386 12,386 2 1 5 28 1,120 15 5 2 19 219 219 17 2,714 2 770 5 1 1 3 211 17	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2019 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Atm. Dep. NPS Other NPS Other NPS Other NPS Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaec Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chequamegon Flowage Chery Branch Cherry Branch Cherry Branch Chetek Lake Chetek River Chippewa R At Eau Claire Chippewa R At Eau Claire Chippewa R At Eau Claire Chippewa R At Eu Claire Chippewa R At Eu Claire	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 891683 16206 16206 9977 13688 352979 15815 15795 889320 889320 889349 18763	1345700 13707700 1283100 21300 21300 21300 21300 21300 21700 8500 8500 1598000 1598000 2753770 2160700 15250 898500 2094000 2094000 20500000 20500000 20500000	DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER DIMPOUNDMENT RIVER	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Richland Oneida Oneida Oneida Taylor Taylor Milwaukee Lafayette Lafayette Barron Barron Barron Eau Claire Eau Claire Eau Claire Pepin, Dunn Pepin, Dunn Pau Claire, Dunn Eau Claire, Dunn	0 0 0 0 5 5 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 2 7 2 5 60 60 80 80 21 33 88	12,386 12,386 2 1 1 5 28 1,120 15 5 5 5 219 219 11 17 2,714 2,714 2 7 1 1 1 3 21	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/1998 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998 04/01/2098 04/01/2098 04/01/2098 04/01/2098 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus PCBs Unspecified Metals PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Ha	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chaeumegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chequamegon Flowage Cherokee Creek Cherry Branch Cherry Branch Cherry Branch Chetrek Lake Chetek River Chippewa R At Eau Claire Chippewa R At Eau Claire Chippewa R At Leau Claire Chippewa River Chippewa River Chippewa River Chippewa River	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 891683 16206 16206 9977 13688 352979 15816 15795 889320 889449 18765 304733 889277	1345700 1370700 1283100 21300 21300 21300 21700 8500 8500 1225800 1598000 965800 2753770 2160700 2160700 2050000 2050000 2050000 2050000 2050000 2050000	DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER DI LAKE DI LAKE DI LAKE DI LAKE DI LAKE DI LAKE DI RIVER RIVER RIVER RIVER DI RIVER	Adams, Juneau Adams, Juneau Wood Richland, Saukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Richland Oneida Oneida Oneida Taylor Taylor Milwaukee Lafayette Lafayette Lafayette Lafayette Lafayette Cauclaire Barron Barron Bau Claire Chippewa Buffalo, Pepin Pepin, Dunn Eau Claire, Dun	0 0 0 0 5 5 3 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 7 2 5 60 60 80 21 38 59	12,386 12,386 2 1 1 5 28 1,120 15 5 2 19 219 1 17 2,714 2 7 2 7 7 0 5 1 1 3 21 17 21	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2012 04/01/2012 04/01/2016 04/01/2016 04/01/1998 04/01/2016 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. PS/NPS Arm. Sed. PS/NPS Arm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat Degraded Habitat Degraded Habitat Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved TMDL Approved 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
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Cazenovia Branch Cedar Creek Cedar Lake CedarLake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek (Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chaese Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Chequamegon Flowage Chequamegon Flowage Chery Branch Chery Branch Chery Branch Chetek Lake Chetek River Chippewa R At Eau Claire Chippewa R At Eau Claire Chippewa River Chippewa River Chippewa River Chippewa River Chippewa River Chippewa River	424081 12232 13010 10051 1437248 18873 11290 11271 11271 113366 128069 18575 891683 16206 9977 13688 352979 15815 15795 889320 889320 889349 18765 304733 889277	1345700 13707700 1283100 21300 21300 21300 3 21300 21500 21700 8500 1525800 1598000 965800 2753770 2160700 2050000 2050000 2050000 2050000 2050000 2050000 2050000 2050000 2050000	DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIAME DI	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Ozaukee Aichland Oneida Oneida Oneida Taylor Taylor Milwaukee Lafayette	0 0 0 0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 7 2 5 60 60 80 21 38 59	12,386 12,386 2 1 1 5 28 1,120 15 5 5 5 219 219 1 17 2,714 2 7 2 7 1 1 1 3 21 17 21 17 26	04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/1998 04/01/2014 04/01/1998 04/01/2012 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2018 04/01/2018 04/01/2008 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	Contam. Sed. PS/NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. PS/NPS PS Contam. Sed. PS/NPS Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed. Atm. Dep. NPS Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus PCBs Total Phosphorus PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus PCBs PCBs PCBs PCBs PCBs PCBs PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Degraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed	Not Applicable High High Not Applicable Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A)
Cazenovia Branch Cedar Creek Cedar Creek Cedar Lake Cedarburg Pond Cedarburg Pond Cedarburg Pond Cedarburg Pond Center Creek Chain Lake (Sugar Camp Chain) Chain Lake (Sugar Camp Chain) Chase Creek Chequamegon Bay (Ashland Coal Tar Site) Chequamegon Flowage Cherokee Creek Cherry Branch Chetek Lake Chetry Branch Chetek River Chippewa R At Eau Claire Chippewa R At Eu Claire Chippewa River	424081 12232 13010 10051 1437248 18873 11290 11271 13366 128069 18575 891683 16206 16206 9977 13688 352979 15815 15795 899320 899449 18765 304733 889227 889320 889320 889320 889320 889320 89365 889320	1345700 1370700 1283100 21300 21300 21300 21300 3 21300 21700 8500 8500 1225800 1598000 1598000 2160700 2160700 2160700 2160700 2050000 2050000 2050000 2050000 2050000	DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT DIMPOUNDMENT RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER DIMPOUNDMENT RIVER RIVER RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER RIVER DIMPOUNDMENT RIVER RIVER DIMPOUNDMENT RIVER RIVER DIMPOUNDMENT RIVER DIMPOU	Adams, Juneau Adams, Juneau Wood Richland, Sauk Ozaukee Ozaukee, Washington Polk, Saint Croix Ozaukee Ozaukee Cozukee Richland Oneida Oneida Oneida Taylor Taylor Milwaukee Lafayette Lafayette Barron Eau Claire Chippewa Buffalo, Pepin Pepin, Dunn Eau Claire, Dunn Eau Claire, Chippewa	0 0 0 0 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 1 5 33 2 1 1 2 7 2 5 60 60 80 80 59 77	12,386 12,386 2 1 5 28 1,120 15 5 2 219 219 17 2,714 2 770 5 1 1 3 21 17 21	04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/2019 04/01/2012 04/01/2012 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019	Contam. Sed. PS/NPS NPS NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. Point Source Contam. Sed. PS/NPS Atm. Dep. NPS Atm. Dep. NPS Other NPS Other NPS Other NPS Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed. Contam. Sed.	Dioxin Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs PCBs Mercury Unknown Pollutant Total Phosphorus Mercury Sediment/Total Suspended Solids PAHs Mercury Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Sediment/Total Suspended Solids Total Phosphorus Fecal Coliform Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs PCBs	Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions Water Quality Use Restrictions Impairment Unknown Contaminated Fish Tissue Impairment Unknown Excess Algal Growth, Elevated pH Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Obegraded Biological Community Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Chronic Aquatic Toxicity, Contaminated Sediment Contaminated Fish Tissue Eutrophication, Water Quality Use Restrictions, Excess Algal Growth Recreational Restrictions - Pathogens Degraded Habitat Degraded Habitat, Turbidity Eutrophication Low DO, Eutrophication Contaminated Fish Tissue	Deletion TMDL Development TMDL Development TMDL Development TMDL Development TMDL Approved 303d Listed TMDL Approved 303d Listed 303d Listed 40 Listed 303d Listed	Not Applicable High High High Not Applicable Not Applicable Not Applicable Not Applicable Low	Removed: Recovery Unknown TMDL Needed (5A) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) TMDL Approved by EPA in 2003 (4A) TMDL Approved by EPA in 2008 (4A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) Natural Conditions (5C) Removed: Recovery Unknown TMDL Needed (5A)

	WATERS				Start	End Size	(Miles						TMDL Creation	
Local Waterbody Name City Of Kewaunee Beach (Selner Park), Lake	ID (AU)	WBIC	Water Type GREAT LAKES		Mile	Mile or A	cres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Michigan	1452524	20	BEACH	Kewaunee			1	04/01/2006	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Clam Lake, Lower		2429300		Sawyer				04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Clam Lake, Upper Clara Lake	18915 128737	2656200	LAKE LAKE	Burnett Lincoln				04/01/2012 04/01/1998	PS/NPS Atm. Dep.	Total Phosphorus Mercury	Excess Algal Growth Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Cidia Lake	120/3/	994700	LAKE	LITICOITI			14	04/01/1990	Atm. Dep.	Wercury	Contaminated Fish Hissue	3030 Listeu	LOW	Mercury Atm. Dep. (SB)
Clear Creek	14149	1697800		Jackson, Monroe	0	6 (-	04/01/2002	NPS	Elevated Water Temperature	Elevated Water Temperature	303d Listed	Low	TMDL Needed (5A)
Clear Lake Clear Lake	11701 127840	775000 977000	LAKE LAKE	Rock Langlade			7	04/01/1998 04/01/1998	Atm. Dep. Atm. Dep.	Mercury Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Clear Lake				Vilas				04/01/1998	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Clear Lake	11701	775000	LAKE	Rock			7	04/01/2010	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Cleaver Creek	13031	1292500		Juneau	0			04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Cochrane Ditch (Rose Valley Cr) Cochrane Ditch (Rose Valley Cr)	14461 3883423	1813600		Buffalo Buffalo	_		7 4	04/01/1998	NPS NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Degraded Habitat Degraded Habitat	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2005 (4A) TMDL Approved by EPA in 2005 (4A)
Collins (Fish) Lake	10319	270200	LAKE	Portage			9	04/01/1990	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Collins (Fish) Lake	10319	270200	LAKE	Portage				04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Coon Branch	13837	936500	RIVER RIVER	Lafayette	0	5		04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Coon Branch Coon Branch	13838 1482046	936500	RIVER	Lafayette Lafayette	5 7	8	1	04/01/2016 04/01/2016	PS/NPS PS/NPS	Unknown Pollutant Unknown Pollutant	Degraded Biological Community Degraded Biological Community	Proposed for List Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Coon Creek	893459			Vernon		_		04/01/2010	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Coon Creek		2066400		Dunn	_	3 ;	-	04/01/2002	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Coon Creek		2066400		Dunn	0	3		04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Coon Fork Flowage Copper Creek		2135600 1278400		Eau Claire Sauk	0			04/01/2016 04/01/2014	PS/NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown, Excess Algal Growth Degraded Biological Community	Proposed for List TMDL Development	Low High	TMDL Needed (5A) TMDL Needed (5A)
Council Creek		1341600		Monroe				04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Cox Hollow Lake	13432	1246500) LAKE	Iowa		9		04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Cranberry Flowage, Upper	14180		IMPOUNDMENT					04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Cranberry Lake Crane Lake	128768 10605	1603800 388500	LAKE LAKE	Oneida, Vilas Forest				04/01/2014 04/01/2014	NPS NPS	Unknown Pollutant Unknown Pollutant	Excess Algal Growth Excess Algal Growth	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Craire Lake	10005	300300	LAKE	rolest		٠,٠	+1	04/01/2014	INFO	OTIKIOWIT POLIULATIL	Excess Algai Glowill	3030 Listeu	LOW	TMDL Needed (SA)
Crawfish River	11438	829700	RIVER	Dodge, Columbia	50	81 3	12	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Crawfish River	11438	829700	RIVER	Dodge, Columbia	50	81 3	12	04/01/2014	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Crawfish River - Columbus Mill Pond	356471			Γ Dodge, Columbia				04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Crawfish River (Jefferson to Rock Creek)	5513911		RIVER	Jefferson	0			04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A) TMDL Needed (5A)
Crawford Creek Crawford Creek	17458 17458	2835500 2835500		Douglas Douglas			9 9	04/01/1998	Contam. Sed. Contam. Sed.	PAHs Creosote	Chronic Aquatic Toxicity Chronic Aquatic Toxicity	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Creek 1-8 (T29N, R11W)	1457461			Dunn	0			04/01/1990	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Creek 20-16 Trib. To Gilbert Creek	15656	2064650	RIVER	Dunn	0	4 4	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Creek 2-14 (T29n, R4e)	1459550			Marathon	0			04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Creek 23-13b Crossman Creek		1665600 1286700		Monroe Juneau, Sauk	0	6 6	1 6	04/01/1998	NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Impairment Unknown	TMDL Approved TMDL Development	Not Applicable High	TMDL Approved by EPA in 2007 (4A) Phosphorus Listed (5P)
Crossman Creek		1286700		Juneau, Sauk Juneau		12		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
							_			·	Contaminated Fish Tissue, Chronic Aquatic Toxicity	,	-	,
Crowley Flowage Crystal Lake	14880 9837	45200	IMPOUNDMENT LAKE	Γ Price Sheboygan				04/01/1998	Other Atm. Dep.	Mercury Mercury	Contaminated Sediment Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Crystal River	10287	258200	RIVER	Waupaca	2			04/01/1990	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Culver Br	13875	950900	RIVER	Grant			2	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Cunningham Creek	18625	1747900		Clark	0			04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Currie Lake Dairyland Reservoir (Flambeau)	128089 14663	979300	LAKE IMPOUNDMENT	Oneida F Rusk			6 745	04/01/1998	Atm. Dep. Atm. Dep.	Mercury Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Dam Lake (Sugar Camp Chain)		1596900		Oneida			44	04/01/1936	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	High	Natural Conditions (5C)
Dam Lake (Sugar Camp Chain)		1596900		Oneida		74	44	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	Deletion	Not Applicable	Removed: Recovery Unknown
Davis Creek	14111	1689300	RIVER	Jackson, La Crosse	0	7	7	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Davy Creek	11548	855400	RIVER	Dodge			6	04/01/2010	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Dawes Creek	12226	1367400		Wood		7	7	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Day Lake Flowage	15561	2430300						04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Dead Creek Dead Creek	904986 904986	860000 860000	RIVER RIVER	Dodge	4			04/01/2006 04/01/2006	PS/NPS PS/NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Low DO	TMDL Approved TMDL Approved	Not Applicable Not Applicable	TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Dead Creek	1455284		RIVER	Dodge Dodge			4	04/01/2006	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Dead Creek	1455284	860000	RIVER	Dodge		4 4	4	04/01/1998	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Dead Pike Lake		2316600		Vilas			97	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Dead Pike Lake Decatur Lake		2316600 879400		Vilas F Green			97 09	04/01/2016 04/01/2014	PS/NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	Addition 303d Listed	Low Medium	Phosphorus Listed (5P) Phosphorus Listed (5P)
Deep Hole Lake	10541	184500	LAKE	Forest			17	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Deep Lake	15894	1844000) LAKE	Washburn		4	3	04/01/2012	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Deep Wood Lake		1445100		Langlade	_		2	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Deer Creek Deer Creek		772900	RIVER	Waukesha Waukesha	0	8 8	8	04/01/1998	NPS NPS	Sediment/Total Suspended Solids Elevated Water Temperature	Elevated Water Temperature, Degraded Habitat Degraded Habitat	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Deer Creek Deer Creek	424345 424345	772900	RIVER	Waukesha		8 8		04/01/2008	NPS NPS	Total Phosphorus	Excess Algal Growth	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Deer Lake		1519600		Lincoln		15		04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Deer Tail Creek		2221700		Rusk	0			04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Delavan Lake Dell Creek	11618	793600 1295200	LAKE RIVER	Walworth Sauk	8)72 2	04/01/2016 04/01/2014	PS/NPS NPS	Total Phosphorus Total Phosphorus	Excess Algal Growth Impairment Unknown	Proposed for List TMDL Development	Low High	TMDL Needed (5A) Phosphorus Listed (5P)
Dell Creek		1295200		Sauk				04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Dell Creek	946824	1295200	RIVER	Juneau	19	23	4	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Delton Lake	13546	1295400) LAKE	Sauk		20		04/01/2016	NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Deneveu Creek Deneveu Creek	10982 10983	138700 138700	RIVER RIVER	Fond du Lac Fond du Lac	11			04/01/2016 04/01/2002	PS/NPS NPS	Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown Degraded Habitat	Proposed for List TMDL Development	High High	Phosphorus Listed (5P) TMDL Needed (5A)
Des Plaines River		734000	RIVER	Racine, Kenosha				04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Dexter Lake	1446343	1369900) LAKE	Wood	-	2	22	04/01/2010	NPS	Total Phosphorus	Eutrophication, Water Quality Use Restrictions	TMDL Development		TMDL Needed (5A)
Dexter Lake		1369900) LAKE	Wood		2	22	04/01/1998	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Diamond Lake		1757200		Taylor				04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Diamond Lake Diamond Valley Creek		2897100 2131400		Bayfield Eau Claire	1			04/01/1998 04/01/2014	Atm. Dep. NPS	Mercury Total Phosphorus	Contaminated Fish Tissue Water Quality Use Restrictions	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
									NPS					
Diamond Valley Creek	16109	2131400) RIVER	Eau Claire	1	7 (0	04/01/2014	NP3	Unknown Pollutant	Elevated Water Temperature, Degraded Habitat Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)

	WATERS	was			Start E							TMDL Creation	Listing/Delisting Details
Local Waterbody Name Diamond Valley Creek	ID (AU) 1480889	WBIC 2131400	Water Type RIVER	County Eau Claire	Mile M		Date Listed 04/01/2014	Source Category NPS	Pollutant Unknown Pollutant	Impairment Indicator Degraded Habitat	Impaired Water Status 303d Listed	Priority Low	TMDL Needed (5A)
Diggings Creek		936800	RIVER	Lafayette	0 5	5 5	04/01/1998	NPS	Zinc	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Diggings Creek		936800	RIVER	Lafayette		5 5	04/01/1998	NPS	Lead	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Diggings Creek		936800	RIVER	Lafayette	0 5		04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Addition	Low	TMDL Needed (5A)
Diggings Creek	353842	936800	RIVER	Lafayette	0 :	5 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Dill Creek	12402	1430700	RIVER	Marathon	0 8	B 8	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Dill Creek	12403	1430700	RIVER	Clark, Marathon	8 2	0 12	04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Ditch to the Oregon Branch of Badfish Creek	1516935	800800	RIVER	Dane	0 4	4 4	04/01/2012	Unknown	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Doc Smith Branch (Cass Valley)	13281	1212000	RIVER	Grant	0 3	3 3	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Dodge Branch		910800	RIVER	lowa	0 9		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A
Dodge Branch		910800	RIVER	lowa	9 1		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Dodge Branch		910800	RIVER	lowa	17 2		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A
Dodge Branch		910800	RIVER	lowa	20 2		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat		Not Applicable	
Dodge Branch		910800	RIVER	lowa	17 2		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Addition	Medium	TMDL Needed (5A)
Dodge Branch		910800	RIVER	lowa	20 2		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Addition	Medium	TMDL Needed (5A)
Dog Lake		1612900	LAKE	Oneida		216	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Door Creek		802800	RIVER	Dane	0 1		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Dougherty Creek		901000	RIVER	Green	14 1		04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO	TMDL Approved		TMDL Approved by EPA in 2005 (4A
Dougherty Creek	13700	901000	RIVER	Green	14 1		04/01/1998	NPS NPS	BOD	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2008 (4A
Dougherty Creek		901000	RIVER	Green	14 1		04/01/1998		Total Phosphorus	Low DO, Degraded Biological Community			
Dougherty Creek		901000	RIVER	Green	14 1		04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Douglas Creek		1691300	RIVER	Jackson	0 2		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Douglas Creek		1691300	RIVER	Jackson	2 4		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Douglas Creek		1691300	RIVER	Jackson	4 1		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Dowling Lake		2858300 836100	LAKE RIVER	Douglas	0 '	141 3 3	04/01/2014	NPS NPS	Unknown Pollutant Total Phosphorus	Excess Algal Growth Impairment Unknown	303d Listed 303d Listed	Low	TMDL Needed (5A) Phosphorus Listed (5P)
Drew Creek Drew Creek				Dodge	0 3		04/01/2014						
Drew Creek Druid Lake		836100	RIVER	Dodge	0 .		04/01/2014	NPS NPS	Sediment/Total Suspended Solids Unknown Pollutant	Degraded Habitat	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Druid Lake Duck Creek	18223 10850	855200 409700	LAKE RIVER	Washington Brown	0 5	120 5 5	04/01/2014 04/01/1998	NPS NPS	Sediment/Total Suspended Solids	Excess Algal Growth Degraded Habitat	303d Listed TMDL Approved	Low Not Applicable	
Duck Creek	10850	409700	RIVER	Brown		5 5	04/01/1998	NPS NPS	Total Phosphorus	Degraded Habitat Low DO	TMDL Approved	Not Applicable Not Applicable	TMDL Approved by EPA in 2012 (4A TMDL Approved by EPA in 2012 (4A
Duck Creek	10850	409700	RIVER	Outagamie	26 3		04/01/2008	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Duck Creek		409700	RIVER	Outagamie	26 3		04/01/2008	PS/NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2012 (4A TMDL Approved by EPA in 2012 (4A
Duck Creek	10851	409700	RIVER	Brown	0 5		04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Duck Creek		409700	RIVER	Outagamie	26 3		04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Duck Creek		1266300	RIVER	Columbia	0 1		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Duncan Creek		2150600	RIVER	Chippewa	0 9		04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Duncan Creek	3987136		RIVER	Chippewa		5 6	04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Duncan Creek	3987409		RIVER	Chippewa	15 2		04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Dunham Lake		2651800	LAKE	Burnett	10 2	243	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Dutchman Creek	10832	121600	RIVER	Brown	0 4		04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Dutchman Creek		121600	RIVER	Outagamie	16 1		04/01/1998	NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2012 (4A)
Dutchman Creek	10832	121600	RIVER	Brown	0 4		04/01/1998	NPS	Ammonia (Unionized) - Toxin	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Dutchman Creek	1854741	121600	RIVER	Outagamie		8 2	04/01/1998	NPS	Ammonia (Unionized) - Toxin	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
E Br Big Eau Pleine River		1432300	RIVER	Marathon		1 11	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
E. Br. Pecatonica River	13687	897800	RIVER	Lafayette		3 33	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
E. Br. Pecatonica River		897800	RIVER	Lafayette, Iowa	33 5		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Eagle Lake	10466	759800	LAKE	Racine		515	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Eagle Lake (Eagle Chain)		1600200	LAKE	Vilas		572	04/01/2014	NPS	Total Phosphorus	Impairment Unknown, Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
East Alaska Lake	18067	94200	LAKE	Kewaunee		53	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
East Balsam Lake	4698566		BAY/HARBOF			555	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
East Br Big Creek		1280500	RIVER	Juneau, Sauk	0 7	7 7	04/01/2012	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
East Branch Fondulac River	10991	135900	RIVER	Fond du Lac	0 1	5 15	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
East Branch Rock River	951364	861400	RIVER	Dodge		2 12	04/01/2006	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
East Branch Rock River	951364	861400	RIVER	Dodge	0 1	2 12	04/01/2006	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
East River	10679	118000	RIVER	Brown	0 1	4 14	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
East River	10679	118000	RIVER	Brown	0 1	4 14	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
East River	10680	118000	RIVER	Brown, Calumet	14 4	2 28	04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
East River	10680	118000	RIVER	Brown, Calumet	14 4		04/01/2002	NPS	Total Phosphorus	Low DO, Degraded Biological Community		Not Applicable	TMDL Approved by EPA in 2012 (4A)
East River	10679	118000	RIVER	Brown	0 1		04/01/1998	NPS	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
East River	10680	118000	RIVER	Brown, Calumet	14 4		04/01/2002	NPS	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
East Trib. to Parsons Cr	903785	136200	RIVER	Fond du Lac	0 2		04/01/2008	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
East Trib. to Parsons Cr	903785	136200	RIVER	Fond du Lac	0 2		04/01/2008	NPS	Elevated Water Temperature	Low DO	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
East Twin Lake		2598900	LAKE	Saint Croix		60	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
East Twin River	18071	84000	RIVER	Manitowoc	0 1		04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
East Twin River	10205	84000	RIVER	Kewaunee	26 3		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
East Twin River	10206	84000	RIVER	Kewaunee	34 4		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
East Twin River	18071	84000	RIVER	Manitowoc	0 1	0 10	04/01/2012	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Eau Claire Lake	16115	2133200	LAKE	Eau Claire		25	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
		2744000	LAKE	Postfold Desire		000	04/04/0044	NDC	Total Phanning	Impairment Halia acce	20241:4	1	Dhoophorus Listed (CD)
Fau Claira Laka Law	17004	2741600	LAKE	Bayfield, Douglas		802	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P) Phosphorus Listed (5P)
Eau Claire Lake, Low		0740400				830	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Eau Claire Lake, Middle	17093	2742100	LAKE	Bayfield				DC/t-DC					
	17093	2742100 2055000	RIVER	Pepin, Dunn	0 9		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Eau Claire Lake, Middle Eau Galle River	17093 15608	2055000	RIVER	Pepin, Dunn Pierce, Saint		9 9	04/01/2014		·	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Eau Claire Lake, Middle Eau Galle River Eau Galle River	17093 15608 15610	2055000	RIVER	Pepin, Dunn Pierce, Saint Croix	33 3	9 9	04/01/2014	NPS	Total Phosphorus	Impairment Unknown Elevated pH	303d Listed 303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Eau Galle River	17093 15608 15610 15611	2055000 2055000 2055000	RIVER RIVER RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix		9 9 34 1 39 5	04/01/2014 04/01/1998 04/01/1998	NPS NPS	Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat	303d Listed 303d Listed 303d Listed	Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River	17093 15608 15610 15611	2055000	RIVER RIVER RIVER LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron	33 3	9 9	04/01/2014	NPS	Total Phosphorus	Impairment Unknown Elevated pH	303d Listed 303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake	17093 15608 15610 15611 16602	2055000 2055000 2055000 2630200	RIVER RIVER RIVER LAKE GREAT LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron	33 3	9 9 84 1 89 5 161	04/01/2014 04/01/1998 04/01/1998 04/01/1998	NPS NPS Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue	303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan	17093 15608 15610 15611 16602 1452637	2055000 2055000 2055000 2630200 20	RIVER RIVER RIVER LAKE GREAT LAKE BEACH	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha	33 3 34 3	9 9 84 1 89 5 161	04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006	NPS NPS Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Each Calle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek	17093 15608 15610 15611 16602 1452637 15742	2055000 2055000 2055000 2630200 20 20 2082400	RIVER RIVER RIVER LAKE GREAT LAKE BEACH RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn	33 3 34 3	9 9 14 1 19 5 161 1 1 5 5	04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2012	NPS NPS Atm. Dep. Other NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Ech Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek	17093 15608 15610 15611 16602 1452637 15742 1527717	2055000 2055000 2055000 2630200 20 2082400 2082400	RIVER RIVER RIVER LAKE GREAT LAKE BEACH RIVER RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn	33 3 34 3	9 9 14 1 19 5 161 1 5 5 6 1	04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012	NPS NPS Atm. Dep. Other NPS NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed	Low Low Low Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Eighteen Keek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380	2055000 2055000 2055000 2630200 20 2082400 2082400 1782500	RIVER RIVER RIVER LAKE GREAT LAKE BEACH RIVER RIVER RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau	33 3 34 3 0 8 5 6 1 2	9 9 34 1 19 5 161 1 5 5 6 1 12 21	04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012	NPS NPS Atm. Dep. Other NPS NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed	Low Low Low Low Low Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Creek Elk Creek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075	2055000 2055000 2055000 2630200 20 2082400 2082400 1782500 2120800	RIVER RIVER RIVER LAKE GREAT LAKE BEACH RIVER RIVER RIVER RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn	33 3 34 3 0 5 5 6 1 2	9 9 14 1 19 5 161 1 5 5 6 1 12 21 4 4	04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012	NPS NPS Atm. Dep. Other NPS NPS NPS NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Creek Elk Creek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228	2055000 2055000 2055000 2630200 20 2082400 2082400 1782500 2120800 1782500	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Trempealeau	33 3 34 3 0 8 5 6 1 2	9 9 34 1 19 5 161 1 5 5 5 6 1 122 21 4 4	04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012	NPS NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Creek Elk Creek Elk Creek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365	2055000 2055000 2055000 2630200 20 2082400 2082400 1782500 2120800 1782500 59300	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER RIVER LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Sheboygan	33 3 34 3 0 5 5 6 1 2 0 4	9 9 34 1 199 5 161 1 5 5 5 6 1 122 21 4 4 4 0 0 0 286	04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/1998	NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS NPS ATm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Mercury	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) MERCURY Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Creek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365 18527	2055000 2055000 2055000 2630200 20 2082400 2082400 1782500 2120800 1782500 59300 880600	RIVER RIVER RIVER LAKE BEACH RIVER RIVER RIVER RIVER RIVER RIVER LAKE RIVER	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Green	33 3 34 3 0 5 5 6 1 2	9 9 9 14 1 199 5 161 1 1 5 5 5 6 1 1 22 21 4 4 4 0 0 286 4 4 4	04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012	NPS NPS Atm. Dep. Other NPS	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Eik Creek Elk Creek	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365 18527 128745	2055000 2055000 2055000 2630200 20 20 2082400 2082400 1782500 2120800 1782500 59300 880600 983500	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER LAKE RIVER LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Sheboygan Green Oneida	33 3 34 3 0 5 5 6 1 2 0 4	9 9 9 144 1 199 5 161 1 1 5 5 5 6 1 1 2 2 2 1 4 4 4 4 0 0 0 286 4 4 4 223	04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2014 04/01/1998	NPS NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS NPS Atm. Dep. PS/NPS Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus General Phosphorus Mercury Sediment/Total Suspended Solids Mercury	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Contaminated Fish Tissue	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Des	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365 18527 128745	2055000 2055000 2055000 2630200 20 2082400 2082400 2120800 1782500 59300 880600 983500 2914800	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER RIVER RIVER LAKE RIVER LAKE LAKE LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Sheboygan Green Oneida Ashland	33 3 34 3 0 5 5 6 1 2 0 4	9 9 9 144 1 199 5 161 1 1 5 5 5 6 1 1 1 2 21 4 4 4 4 4 4 4 4 4 4 4 4 4 4	04/01/2014 04/01/1998 04/01/1998 04/01/2096 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2014 04/01/1998 04/01/1998	NPS NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS Atm. Dep. PS/NPS Atm. Dep. Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Mercury Mercury Mercury	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Eik Creek Eik Creek Eik Creek Eik Creek Eik Creek Eik Creek Eikner School Branch Ermer School Branch Ernterprise Lake	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365 18527 128745 891177	2055000 2055000 2055000 2630200 20 2082400 2082400 2120800 1782500 59300 880600 983500 2914800 1579700	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER LAKE LAKE LAKE LAKE LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Sheboygan Green Oneida Ashland Langlade	33 3 34 3 0 5 5 6 1 2 0 4 0 0	9 9 9 9 9 144 1 1 1 1 1 1 1 1 1 1 1 1 1	04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/1998 04/01/1998 04/01/1998	NPS NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS Atm. Dep. Atm. Dep. Atm. Dep. Atm. Dep. Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Great Phosphorus Mercury Sediment/Total Suspended Solids Mercury Mercury Unknown Pollutant	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Excess Algal Growth	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) TMDL Needed (5A)
Eau Claire Lake, Middle Eau Galle River Eau Galle River Eau Galle River Echo Lake Eichelman Beach, Lake Michigan Eighteen Mile Creek Eighteen Mile Creek Elk Des	17093 15608 15610 15611 16602 1452637 15742 1527717 14380 16075 5688228 11365 18527 128745 891177 127847 1487996	2055000 2055000 2055000 2630200 20 2082400 2082400 2120800 1782500 59300 880600 983500 2914800 1579700	RIVER RIVER RIVER LAKE GREAT LAKE: BEACH RIVER RIVER RIVER RIVER RIVER RIVER RIVER LAKE RIVER LAKE LAKE LAKE	Pepin, Dunn Pierce, Saint Croix Saint Croix Barron S Kenosha Dunn Dunn Trempealeau Dunn Trempealeau Sheboygan Green Oneida Ashland Langlade	33 3 34 3 0 5 5 6 1 2 0 4	9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	04/01/2014 04/01/1998 04/01/1998 04/01/2096 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2012 04/01/2014 04/01/1998 04/01/1998	NPS NPS Atm. Dep. Other NPS NPS NPS NPS NPS NPS Atm. Dep. PS/NPS Atm. Dep. Atm. Dep.	Total Phosphorus Sediment/Total Suspended Solids Mercury E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Mercury Mercury Mercury Mercury	Impairment Unknown Elevated pH Elevated Water Temperature, Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Water Quality Use Restrictions Contaminated Fish Tissue Degraded Habitat Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)

Local Waterbody Name	WATERS ID (AU) W	BIC Water Type	County	Start En	nd Size (Mile: le or Acres)		Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
Fall Creek		9900 RIVER	Eau Claire	0 3		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Fall Creek	16096 212		Eau Claire	3 1		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Faxon (Central Park) Creek	1525909 284		Douglas	0 3		04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Feather Branch	13776 917		Lafayette	0 5	5 5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Fennimore Fork (Castle Rock)	13275 121	1300 RIVER	Grant	17 2	1 4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2004 (4A)
Fennimore Fork (Castle Rock)	13275 121	1300 RIVER	Grant	17 2	1 4	04/01/2012	Unknown	Total Phosphorus	Water Quality Use Restrictions	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2004 (4A)
Fennimore Fork (Castle Rock)	13276 121	1300 RIVER	Grant	21 26	6 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2004 (4A)
Fenwood Creek	12393 142	8700 RIVER	Marathon	0 2	2 2	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Fenwood Creek	12394 142	8700 RIVER	Marathon	2 17	7 16	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Fifth Lake	128111 157	1100 LAKE	Oneida		240	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Finley Lake	16273 217	5700 LAKE	Chippewa		58	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Finley Lake	16273 217		Chippewa		58	04/01/1998	NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
		GREAT LAK										
Fischer Park Beaches, Lake Michigan	481811 2	0 BEACH	Manitowoc		1	04/01/2016	PS/NPS	E. coli	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
			Ozaukee,									
Fish Creek	3924909 44		Milwaukee	0 3		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Fish Lake	13490 985		Dane		216	04/01/2016	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Fisher Creek	18021 62	500 RIVER	Sheboygan	0 4	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Fish or Birms	10001 010	4500 DIVED	T. I. Oliver			04/04/0044	NDO	T. I. I. Di I	Long Control Hollows	000 112-1-1	1	Discontinuo Linta I (5D)
Fisher River	16294 218		Taylor, Chippewa	a 0 33		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Fishtrap Lake		1100 IMPOUNDME		0 4	216	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Fleming Creek		5600 RIVER	La Crosse	10 20		04/01/2012	NPS NPS	Total Phosphorus Sediment/Total Suspended Solids	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Fleming Creek		5600 RIVER	La Crosse			04/01/1998			Elevated Water Temperature, Degraded Habitat	303d Listed	Low	
Flynn Creek Fond Du Lac River		800 RIVER 700 RIVER	Washington Fond du Lac	0 6		04/01/1998 04/01/2012	NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Water Quality Use Restrictions	TMDL Approved TMDL Development	Not Applicable High	TMDL Approved by EPA in 2011 (4A) TMDL Needed (5A)
Fond Du Lac River		700 RIVER	Fond du Lac	0 2		04/01/2012	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Fond Du Lac River		700 RIVER	Fond du Lac	0 2		04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Forest Lake		100 LAKE	Fond du Lac	0 2	51	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Foster Lake		400 LAKE	Oneida		39	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Fourmile Lake	128114 161		Oneida		218	04/01/1990	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Fourth Lake	128115 157		Oneida		258	04/01/2014	NPS	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Fox Lake	11413 835		Dodge		2,625	04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Fox Lake		800 LAKE	Dodge		2,625	04/01/2006	Habitat/Physical		Excess Algal Growth	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Fox River	424184 742		Waukesha	180 18		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Low	TMDL Needed (5A)
Fox River	424184 742	500 RIVER	Waukesha	180 18	37 7	04/01/1998	PS/NPS	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River		500 RIVER	Waukesha	180 18	37 7	04/01/1998	PS/NPS	Total Phosphorus	Low DO	303d Listed	Low	TMDL Needed (5A)
Fox River	424225 742	500 RIVER	Waukesha	187 19	7 9	04/01/1998	PS/NPS	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River (At Oshkosh)	352759 117	900 RIVER	Winnebago	58 58	8 0	04/01/2004	Contam. Sed.	PAHs	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Fox River (Below Barstow Impoundment)	10461 742	500 RIVER	Waukesha	171 17	5 4	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Fox River (Below Barstow Impoundment)	10461 742		Waukesha	171 17		04/01/1998	PS/NPS	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River (Below Barstow Impoundment)	10461 742		Waukesha	171 17		04/01/1998	PS/NPS	Total Phosphorus	Low DO	303d Listed	Low	TMDL Needed (5A)
Fox River (Illinois)	481165 742	500 RIVER	Waukesha	151 17	1 20	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
			Racine,									
			Waukesha,									
Fox River (Illinois)	10507 742	500 RIVER	Kenosha	113 15	1 38	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
			Racine,									
			Waukesha,									
Fox River (Illinois)		500 RIVER	Kenosha	113 15		04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Fox River (Illinois)		500 RIVER	Waukesha	151 17		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River At Buffalo Lake		000 LAKE	Marquette		2,179	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Fox River At Buffalo Lake		000 LAKE	Marquette	470 40	2,179	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River, Upper Barstow Impoundment		500 RIVER	Waukesha	176 18		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Low	TMDL Needed (5A)
Fox River, Upper Barstow Impoundment		500 RIVER	Waukesha Waukesha	176 18		04/01/1998	PS/NPS	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Fox River, Upper Barstow Impoundment	424143 742			176 18		04/01/1998	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Frame Park Creek Frame Park Creek		650 IMPOUNDME 650 IMPOUNDME		0 1	1	04/01/1998 04/01/1998	NPS NPS	Total Phosphorus PAHs	Low DO Contaminated Sediment	TMDL Development 303d Listed	High Low	TMDL Needed (5A) TMDL Needed (5A)
Frame Park Creek		650 IMPOUNDME			1		NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat			
Frame Park Creek		650 IMPOUNDME		0 1	1	04/01/1998 04/01/1998	NPS			303d Listed 303d Listed	Low	TMDL Needed (5A)
Franklin Lake	128117 986		EN I Waukesna Oneida	0 1	161	04/01/1998	Atm. Dep.	Unspecified Metals Mercury	Chronic Aquatic Toxicity Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Fredonia Creek		600 RIVER	Ozaukee	0 4		04/01/1998	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Friday Creek		B200 RIVER	Polk	0 3		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Friendship Lake		2000 KIVER 2000 LAKE	Adams	0 3	120	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Friess Lake		2000 LAKE	Washington		117	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
Friess Lake		200 LAKE	Washington		117	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Addition	Low	TMDL Needed (5A)
Galilee Lake	891262 293		Ashland		212	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Garners Creek		700 RIVER	Outagamie	0 5		04/01/2008	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Garners Creek		700 RIVER	Outagamie	0 5		04/01/2008	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Garners Creek	10845 127		Outagamie	0 5	5 5	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Gass Lake	9870 67	100 LAKE	Manitowoc		6	04/01/2016	NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A)
Gates Lake	15396 185		Ashland		22	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Gelena River	13833 935		Lafayette	3 36		04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Ghost Lake	15537 242	3000 LAKE	Sawyer		372	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Gill Creek	11570 861	700 RIVER	Dodge	0 6		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Gill Creek		700 RIVER	Dodge	0 6		04/01/2006	NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Gill Creek	11570 861		Dodge	0 6		04/01/2006	NPS	Ammonia (Unionized) - Toxin	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Gills Coulee Creek		2300 RIVER	La Crosse	0 1		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2004 (4A)
Gills Coulee Creek	13994 165		La Crosse	1 5		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2006 (4A)
Gilmore Lake	17283 269		Washburn		389	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Gilmore Lake	128123 158		Oneida		301	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Gilmore Lake	17283 269		Washburn		389	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Glen Lake		1700 IMPOUNDME			84	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Goldenthal Creek		900 RIVER	Washington	0 4		04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
	902174 872	600 LAKE	Dane		12	04/01/2016	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A)
Goose Lake			Green Lake,									
Goose Lake			Marquette, Fond									
	10702 159	300 RIVER	Marquette, Fond du Lac	1 21 4:	3 22	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Goose Lake Grand River	10702 159		Marquette, Fond du Lac Green Lake,	21 43				·	<u> </u>			
Goose Lake Grand River Grand River	10702 159 11097 159	300 RIVER	Marquette, Fond du Lac Green Lake, Marquette	0 2	1 21	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Goose Lake Grand River	10702 159	300 RIVER 400 RIVER	Marquette, Fond du Lac Green Lake,	21 43	1 21			·	<u> </u>			

	WATERS				Start En	nd Size (Mile						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile Mi	le or Acres	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Granite Lake	15877	2100800		Barron		154	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	Natural Conditions (5C)
Crant Bark Booch Lake Michigan	1452696	20	GREAT LAKES BEACH	Milwaukee		1	04/01/2006	Other	E coli	Regressional Restrictions - Dethogons	202d Lintad	Low	TMDL Needed (5A)
Grant Park Beach, Lake Michigan Grant River	13901	20 956000	RIVER	Grant	0 2		04/01/2006 04/01/2014	NPS	E. coli Total Phosphorus	Recreational Restrictions - Pathogens Impairment Unknown	303d Listed 303d Listed	Low	Phosphorus Listed (5P)
Grantosa Creek	3991760		RIVER	Milwaukee	0 1		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Greater Bass Lake	127855	1445500	LAKE	Langlade		246	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
				Brown, Door,									
			GREAT LAKES	Kewaunee, Marinette.									
Green Bay (GI Shoreline)	483034	70	SHORELINE	Oconto		9	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Green Bay (Inner Bay, Aoc)	357876	70	BAY/HARBOR	Brown		13,867	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Green Bay (Inner Bay, Aoc)	357876	70	BAY/HARBOR	Brown		13,867	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Green Bay (Inner Bay, Aoc)	357876 884910	70 70	BAY/HARBOR RIVER	Brown Marinette	0 6	13,867	04/01/1998 04/01/1998	Contam. Sed. Contam. Sed.	PCBs Arsenic	Contaminated Fish Tissue, Contaminated Sediment	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Green Bay (Wi -Menominee Aoc) Green Bay (Wi -Menominee Aoc)	884910	70	RIVER	Marinette	0 6		04/01/1998	Contam. Sed.	PAHs	Contaminated Sediment Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Green Lake (Big Green)	11023	146100	LAKE	Green Lake	0 0	7,486	04/01/2014	NPS	Total Phosphorus	Low DO	TMDL Development	High	Natural Conditions (5C)
Green Lake (Big Green)	11023	146100	LAKE	Green Lake		7,486	04/01/2002	Atm. Dep.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Griffin Creek	10403	279000	RIVER	Waupaca	0 3	3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Grubers Grove Bay, Lake Wisconsin				Sauk		25	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	EAP Project	Not Applicable	TMDL Needed (5A)
Grubers Grove Bay, Lake Wisconsin				Sauk		25	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	EAP Project	Not Applicable	TMDL Needed (5A)
Grubers Grove Bay, Lake Wisconsin				Sauk	0 5	25	04/01/2006	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Gunderson Valley Creek Gunderson Valley Creek		1212600 1212600		Grant Grant	0 5		04/01/2002 04/01/2002	NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Low DO	TMDL Approved TMDL Approved	Not Applicable Not Applicable	TMDL Approved by EPA in 2004 (4A) TMDL Approved by EPA in 2004 (4A)
Half Moon Lake		2125400		Eau Claire	0 5	135	04/01/2002	NPS	Total Phosphorus	Eutrophication	TMDL Approved		TMDL Approved by EPA in 2004 (4A) TMDL Approved by EPA in 2004 (4A)
Halfway Creek		1676000		La Crosse	8 1:		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Halfway Prairie Creek		1248800	RIVER	Dane	0 8		04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Addition	Low	TMDL Needed (5A)
Halfway Prairie Creek		1248800	RIVER	Dane	0 8		04/01/2004	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Hallie Lake			IMPOUNDMENT			79	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Halls Branch		1184300		Crawford	2 5		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Halls Creek		1710600	RIVER	Jackson Marathon	0 1		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Hamann Creek Hancock Lake	18334 128130	1429900 1517900	RIVER LAKE	Oneida	0 1	259	04/01/2014 04/01/2014	NPS NPS	Total Phosphorus Unknown Pollutant	Excess Algal Growth	TMDL Development 303d Listed	High Low	Phosphorus Listed (5P) TMDL Needed (5A)
Hardies Creek	14072	1686900	RIVER	Trempealeau	0 2		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	
Hardies Creek	14073	1686900		Trempealeau	2 4		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2008 (4A)
Harkner Flowage	14169	1704100				53	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Harmon Lake	18809	1852500		Washburn		96	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Harper Lake, South	14618	2204100	LAKE	Taylor		80	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Harpt Lake	10149	84600	LAKE	Manitowoc		31	04/01/2016	NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Harrington Creek	11016	143700	RIVER	Green Lake	0 3		04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Hartlaub Lake	9871	67200	LAKE	Manitowoc	7 4	34	04/01/2016	NPS	Total Phosphorus Unknown Pollutant	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Harvey Creek Harvey Creek	5514178 5541777		RIVER RIVER	Buffalo, Pepin Buffalo	7 1 ⁻		04/01/2016	PS/NPS PS/NPS	Unknown Pollutant Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Hawkinson Creek		1785500	RIVER	Trempealeau	0 4		04/01/2016 04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community Degraded Biological Community	Proposed for List Proposed for List	Low	TMDL Needed (5A)
Hay Creek		1279000	RIVER	Sauk	0 5		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
, 5.55				Eau Claire,		-							
Hay Creek	1453560	2133300	RIVER	Chippewa	13 2	1 8	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Hay Creek	1453605	2133300	RIVER	Eau Claire	0 1	3 13	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
										Degraded Biological Community, Elevated Water			
Hay Creek (T25N R6W)		2131900		Eau Claire	0 7		04/01/2014	NPS	Unknown Pollutant	Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Hay Creek (T28N, R5W) Hay River		2133300	RIVER	Chippewa Barron, Dunn	0 3		04/01/2014 04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	303d Listed 303d Listed	Low	Phosphorus Listed (5P) Phosphorus Listed (5P)
Hay River	1500711		RIVER	Barron	38 6		04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Hefty Creek, Center Branch	13643	882200	RIVER	Green	0 5		04/01/2014	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Hefty Creek, South Branch	13642	882000	RIVER	Green	0 3		04/01/2014	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
									·	Degraded Biological Community, Impairment			
Hemlock Creek	12224	1366300	RIVER	Wood	0 2		04/01/2012	NPS	Total Phosphorus	Unknown	TMDL Development	High	TMDL Needed (5A)
Hemlock Lake	16230	1853400		Chippewa		28	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Hemlock Lake	128137	989200	LAKE	Oneida		39	04/01/1998	Atm. Dep. NPS	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Hemlock Lake	16230	1853400		Chippewa		28	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Hemlock Slough High Falls Reservoir	424051 18285	1286100 540600	IMPOUNDMENT	Sauk Marinette		22 1,498	04/01/2016 04/01/1998	Atm. Dep.	Total Phosphorus Mercury	Excess Algal Growth Contaminated Fish Tissue	Proposed for List 303d Listed	High Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
J	.0200	2.5000	GREAT LAKES			.,	2 2 1000	Бор.			2222 2000		500. (05)
Hika Park Bay Beach, Lake Michigan	481845	20	BEACH	Manitowoc		0	04/01/1998	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Hill Creek	11024	146200	RIVER	Green Lake	0 2		04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Hill Creek	11024	146200	RIVER	Green Lake	0 2		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Addition	High	TMDL Needed (5A)
Hills Creek	18434	1288800	RIVER	Juneau, Vernon	0 1		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Hills Lake	10758	182100 990700	LAKE LAKE	Waushara Oneida		133 126	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Hodstradt Lake Hog Island Inlet	128143 891512		BAY/HARBOR	Oneida Douglas		126	04/01/1998 04/01/1998	Atm. Dep. Contam. Sed.	Mercury PAHs	Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed 303d Listed	Low	TMDL Needed (5A)
Hog Island Inlet			BAY/HARBOR	Douglas		19	04/01/1998	Contam. Sed.	Foam/Flocs/Scum/Oil Slicks	Chronic Aquatic Toxicity Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Hog Island Inlet			BAY/HARBOR	Douglas		19	04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Holcombe Flowage- HWY 27 Embayment				Γ Rusk, Chippewa		985	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Holcombe Flowage- HWY 27 Embayment	18659	2184900	IMPOUNDMENT	Γ Rusk, Chippewa		985	04/01/1998	NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
Holly Lake, Upper (Holly)		2394600		Sawyer		33	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	Proposed for List	Low	Mercury Atm. Dep. (5B)
Holmes Avenue Creek	9979	15550	RIVER	Milwaukee	0 2		04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Honey Creek	13672	892300	RIVER	Green	1 10		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P) Phosphorus Listed (5P)
Honey Creek Honey Creek	352889 10021	892300 16300	RIVER RIVER	Green Milwaukee	0 9		04/01/2012 04/01/2010	NPS Other	Total Phosphorus Fecal Coliform	Impairment Unknown Recreational Restrictions - Pathogens	303d Listed 303d Listed	Medium Low	TMDL Needed (5A)
Honey Creek	10021	16300	RIVER	Milwaukee	0 9		04/01/2010		Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
	.0021	.0000	VEIX	······aunce			0 1/0 1/2012	0aiowii	Total Thospilorus	Dog.adda D.o.Ogloti Oommunity	JUJU LIJIOU	caldiii	152 1136464 (0/1)
Honey Creek	10486	751500	RIVER	Racine, Walworth	0 2	1 21	04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Honey Creek	13455	1253900	RIVER	Sauk	0 2	6 26	04/01/2012	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Honey Creek	13456	1253900		Sauk	26 3	0 5	04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Honey Creek	13672	892300	RIVER	Green	1 1		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Honey Creek	352889	892300	RIVER	Green	10 1		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Hoopers Millpond	11384		IMPOUNDMENT			19	04/01/1998	Contam. Sed.	PCBs	Contaminated Sediment	303d Listed	Low Not Applicable	TMDL Needed (5A)
Horicon Marsh Horicon Marsh	11565 11565	861200 861200	WETLANDS WETLANDS	Dodge Dodge		1,000	04/01/1998 04/01/2006	PS/NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat Low DO	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
		1854300		Chippewa		24	04/01/2006	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Horseshoe Lake	14519												

Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County	Start I			Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
Horseshoe Lake		2630100		Polk, Barron		377	04/01/2016		Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Howe Lake		1855100		Chippewa		68	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Hudson Park Beach	1488247	804600	INLAND BEACH	H Dane		0	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Hulbert Creek	13050	1298500	RIVER	Sauk	0	2 2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Hulls Lake		1762700		Taylor		70	04/01/2016		Total Phosphorus	Excess Algal Growth	Addition	Low	Natural Conditions (5C)
Hulls Lake		1762700		Taylor		70	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
Husher Creek (Hoosier)	18118	3500	RIVER	Racine	0		04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Indian Creek	10005	19600	RIVER	Milwaukee		3 3	04/01/1998	NPS	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Indian Creek	10005	19600	RIVER	Milwaukee		3 3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Indian Creek	10005	19600	RIVER	Milwaukee		3 3	04/01/1998	NPS	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Inlet of Lake Ripley	5476766 11569		RIVER RIVER	Jefferson		4 4	04/01/2016 04/01/1998	PS/NPS NPS	Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown	Proposed for List	Medium Not Applicable	Phosphorus Listed (5P)
Irish Creek Irish Creek	11569	861600 861600	RIVER	Dodge Dodge		4 4	04/01/2006	NPS	Total Phosphorus	Degraded Habitat Degraded Habitat	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Irish Creek	11569	861600	RIVER	Dodge		4 4	04/01/2006	NPS	Ammonia (Unionized) - Toxin	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Irish Valley Creek		1811400		Buffalo	_	8 8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Irvin Creek		1792200		Trempealeau		5 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Irvin Creek		1792200		Trempealeau		5 5	04/01/2014		Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Irving Lake	15236	2340900	LAKE	Vilas		403	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Island Lake (Eagle Chain)	128153	1610500) LAKE	Oneida		295	04/01/1998		Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Island Lake T44 R1e S25	891296	2945500) LAKE	Iron		344	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Jackson Creek	10065	23900	RIVER	Washington	0	1 1	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Jackson Creek		793800	RIVER	Walworth	0	3 3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Jag Lake		1855900		Vilas		158	04/01/1998		Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Jahns Valley Creek		1810800		Buffalo		8 8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Jarrett Creek at Schneider Ave	3991015			Dunn	0	3 3	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Jennie Webber Lake	128156			Oneida		226	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Jersey Valley Crook		1191600		Vernon Croop Lefovette	0	52	04/01/2016		Total Phosphorus	Excess Algal Growth	Proposed for List	Low Not Applicable	TMDL Needed (5A)
Jockey Hollow Creek Johnson Coulee Creek	13690 14059	899500 1676400	RIVER RIVER	Green, Lafayette La Crosse		3 3	04/01/1998 04/01/1998	NPS NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Degraded Habitat Degraded Habitat	TMDL Approved 303d Listed	Not Applicable Low	TMDL Approved by EPA in 2005 (4A) TMDL Needed (5A)
Johnson Creek Johnson Creek		846700	RIVER	Jefferson		18 18	04/01/1998	NPS NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Degraded Habitat Degraded Habitat	TMDL Approved		TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A)
Johnson Creek Johnson Creek		846700	RIVER	Jefferson	0		04/01/2006		Total Phosphorus	Degraded Habitat Degraded Biological Community	TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Johnson Lake		2471600		Burnett	J	397	04/01/2012		Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Jordan Creek		895000	RIVER	Green	0		04/01/2010		Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
							0 0 0 . 0						12 1100000 (01.)
Jordon Creek	18046	80200	RIVER	Calumet	0	1 1	04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	EAP Project	Not Applicable	TMDL Needed (5A)
Juda Branch	13614	877500	RIVER	Green	0	4 4	04/01/2016		Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Juda Branch	13614	877500	RIVER	Green	0	4 4	04/01/2016	Habitat/Physical	Sediment/Total Suspended Solids	Degraded Habitat	Proposed for List	Medium	TMDL Needed (5A)
Jug Creek		1195500		Vernon	0	5 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Julia Lake		1614300		Forest, Oneida		401	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Julia Lake		995000	LAKE	Oneida		238	04/01/1998		Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Kankapot Creek	10844	126800	RIVER	Outagamie		3 3	04/01/1998	PS/NPS	Sediment/Total Suspended Solids Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Kankapot Creek	10844	126800	RIVER	Outagamie Calumet.	0	3 3	04/01/2008	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Kankapot Creek	357763	126800	RIVER	Outagamie	3	10 7	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
rearreapor orecie	331703	120000	KIVEK	Calumet,		10 7	04/01/1000	1 0/141 0	Cediment rotal Cuspended Collas	Degraded Habitat	TWDE7tpproved	140t Applicable	TWIDE Approved by ELLY III 2012 (471)
Kankapot Creek	357763	126800	RIVER	Outagamie	3	10 7	04/01/2008	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
				Oneida		670	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
Nawaquesaga Lake	128163												
Kawaguesaga Lake Kelsey Br	128163	936600	RIVER	Lafayette	0	2 2	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
	13839		RIVER LAKE		0	2 2 957	04/01/2016 04/01/1998	PS/NPS Atm. Dep.	Total Phosphorus Mercury		Proposed for List 303d Listed	Medium Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Kelsey Br	13839 128505			Lafayette	0					Degraded Biological Community			
Kelsey Br Kentuck Lake	13839 128505	716800	LAKE	Lafayette Forest, Vilas Forest, Vilas	0	957	04/01/1998	Atm. Dep.	Mercury	Degraded Biological Community Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor	13839 128505 128505 482755 482755	716800 716800 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee		957 957 36 36	04/01/1998 04/01/2014 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed.	Mercury Total Phosphorus PCBs Unspecified Metals	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River	13839 128505 128505 482755 482755 10170	716800 716800 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee	14	957 957 36 36 16 3	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor	13839 128505 128505 482755 482755	716800 716800 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Kewaunee		957 957 36 36 16 3	04/01/1998 04/01/2014 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed.	Mercury Total Phosphorus PCBs Unspecified Metals	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River	13839 128505 128505 482755 482755 10170 18061	716800 716800 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Kewaunee Brown,	14 3	957 957 36 36 36 16 3 14 11	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006	Atm. Dep. NPS Other Contam. Sed. Other Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River	13839 128505 128505 482755 482755 10170 18061 482871	716800 716800 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Kewaunee Brown, Kewaunee	14 3 16	957 957 36 36 16 3 14 11 28 12	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006	Atm. Dep. NPS Other Contam. Sed. Other Other	Mercury Total Phosphonus PCBs Unspecified Metals PCBs PCBs PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low Low Low Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (6A) TMDL Needed (6A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River	13839 128505 128505 482755 482755 10170 18061 482871 10169	716800 716800 90700 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee	14 3 16 0	957 957 36 36 16 3 14 11 28 12 3 2	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2016	Atm. Dep. NPS Other Contam. Sed. Other Other Other PS/NPS	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed Addition	Low Low Low Low Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh	13839 128505 128505 482755 482755 10170 18061 482871 10169	716800 716800 90700 90700 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee	14 3 16 0	957 957 36 36 16 3 14 11 28 12 3 2 3 2	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Other Other PS/NPS Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue	303d Listed 403d Listed 303d Listed 303d Listed Addition 303d Listed	Low Low Low Low Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh	13839 128505 128505 482755 482755 10170 18061 482871 10169 10169	716800 716800 90700 90700 90700 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee	14 3 16 0 0	957 957 36 36 16 3 14 11 28 12 3 2 3 2 3 2	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2016 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Other PS/NPS Other Contam. Sed.	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Inpairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed 4ddition 303d Listed 303d Listed	Low Low Low Low Low Low Low Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh	13839 128505 128505 482755 482755 10170 18061 482871 10169	716800 716800 90700 90700 90700 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee	14 3 16 0 0	957 957 36 36 16 3 14 11 28 12 3 2 3 2	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Other Other PS/NPS Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue	303d Listed 403d Listed 303d Listed 303d Listed Addition 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh	13839 128505 128505 482755 482755 10170 18061 482871 10169 10169 887065	716800 716800 90700 90700 90700 90700 90700 90700 90700	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee	14 3 16 0 0 0	957 957 36 36 16 3 14 11 28 12 3 2 3 2 3 2	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2016 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Contam. Sed. Other Other PS/NPS Other Contam. Sed. Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Inpairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity	303d Listed 4ddition 303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kewaune	13839 128505 128505 482755 482755 10170 18061 482871 10169 10169 887065	716800 716800 90700 90700 90700 90700 90700 90700 90700 1182400	LAKE LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER	Lafayette Forest, Vilas Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee Crawford	14 3 16 0 0 0 19	957 957 36 36 16 3 14 11 28 12 3 2 3 2 3 2 5 6	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/1998 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Contam. Sed. Other PS/NPS Other Contam. Sed. Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue	303d Listed 403d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kickapoo River Kickapoo River Kickapoo River Kickapoo River Kickapoo River Kickapoo River	13839 128505 128505 482755 482755 482755 10170 18061 482871 10169 887065 13169 887065	716800 716800 90700 90700 90700 90700 90700 90700 90700 1182400	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER O RIVER RIVER RIVER RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Cewaunee Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee	14 3 16 0 0 0 19	957 957 36 36 16 3 14 11 28 12 3 2 3 2 3 2 3 2 5 6	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/2006 04/01/2006 04/01/2016 04/01/1998 04/01/1998 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other SNNPS Other Contam. Sed. Other NPS NPS	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals Total Phosphorus PCBs Unspecified Metals Mercury Total Phosphorus	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue	303d Listed 40dition 303d Listed Addition 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) Mercury Atm. Dep. (5B) Phosphorus Listed (5P) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kickapoo River Kickapoo River Kickapoo River Kilsnake River Kinnickinnic River	13839 128505 128505 482755 482755 482755 10170 18061 482871 10169 10169 887065 13169 887065 18043 9973	716800 716800 90700 90700 90700 90700 90700 90700 1182400 1182400 78200 15100	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER O RIVER O RIVER	Lafayette Forest, Vilas Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee Kewaunee Crawford Richland, Vernon Crawford Calumet Milwaukee	14 3 16 0 0 0 19 16 17 19 0 0	957 957 36 36 36 16 3 14 11 28 12 3 2 3 2 3 2 3 2 5 6 108 47 25 6 20 20 3 3 3 3 4 3 4 3 4 4 4 4 5 6 6 7 8 8 8 8 8 8 8 8 8 8 8 8 8	04/01/1984 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2016 04/01/2016 04/01/2016 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2010	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other PS/NPS Other Contam. Sed. Other NPS NPS NPS NPS PS/NPS Other	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals PCBs Total Phosphorus PCBs Unspecified Metals Mercury Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Fecal Coliform	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Elevated Water Temperature Recreational Restrictions - Pathogens	303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 40dition 303d Listed Addition 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed 303d Listed 403d Listed 403d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kickapoo River Kickapoo River Kilsnake River Kinnickinnic River Kinnickinnic River	13839 128505 482755 482755 482755 10170 18061 482871 10169 10169 887065 13169 887065 18043 9973	716800 716800 90700 90700 90700 90700 90700 90700 90700 1182400 1182400 78200 15100	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER RIVER O RIVER	Lafayette Forest, Vilas Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kewaunee Kewaunee Crawford Richland, Vernon Crawford Calumet Milwaukee	14 3 16 0 0 0 19 19 1 61 0 0	957 957 957 36 36 36 16 3 14 11 28 12 3 2 3 2 25 6 108 47 25 6 20 20 20 3 3 3 3 3 3	04/01/1988 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2016 04/01/1998 04/01/2012 04/01/2012 04/01/2012 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010	Atm. Dep. NPS Other Contam. Sed. Other Other Other Other Other Other Other PS/NPS Other Contam. Sed. Other NPS NPS PS/NPS Other Contam. Sed.	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals Mercury Total Phosphorus Unknown Pollutant Fecal Collform PCBs	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Impairment Unknown Elevated Water Temperature Recreational Restrictions - Pathogens Contaminated Fish Tissue	303d Listed Proposed for List 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Kelsey Br Kentuck Lake Kentuck Lake Kentuck Lake Kewaunee Inner Harbor Kewaunee Inner Harbor Kewaunee River Kewaunee River Kewaunee River Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kewaunee River And Marsh Kickapoo River Kickapoo River Kickapoo River Kiickapoo River Kiinnickinnic River Kinnickinnic River Kinnickinnic River Kinnickinnic River	13839 128505 482755 482755 482755 10170 18061 482871 10169 887065 13169 887065 13169 9973 9973	716800 716800 90700 90700 90700 90700 90700 90700 90700 1182400 1182400 15100 15100	LAKE LAKE BAY/HARBOR BAY/HARBOR RIVER RIVER RIVER RIVER RIVER RIVER O RIVER	Lafayette Forest, Vilas Forest, Vilas Kewaunee Kewaunee Kewaunee Brown, Kewaunee Kiewaunee Kewaunee Kiewaunee Kiewaunee Kiewaunee Kiewaunee Kiewaunee Kiiwaunee Kiiwaunee Miiwaukee Miiwaukee	14 3 16 0 0 0 19 19 161 19 0 0 0	957 957 366 36 16 3 14 11 28 12 3 2 3 2 3 2 2 3 2 2 5 6 10 8 10 10 10 10 10 10 10 10 10 10	04/01/1998 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2006 04/01/2016 04/01/2016 04/01/2012 04/01/2012 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/2010 04/01/1998	Atm. Dep. NPS Other Contam. Sed. Other Other Other PS/NPS Other NPS Other NPS NPS NPS Other NPS NPS NPS Other ANPS NPS NPS Other Contam. Sed.	Mercury Total Phosphorus PCBs Unspecified Metals PCBs PCBs PCBs Total Phosphorus PCBs Unspecified Metals Unspecified Metals Volume Metals Mercury Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Unknown Pollutant Fecal Coliform PCBs E. coli	Degraded Biological Community Contaminated Fish Tissue Excess Algal Growth Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Elevated Water Temperature Recreational Restrictions - Pathogens Contaminated Fish Tissue	303d Listed 4ddition 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A) Mercury Atm. Dep. (5B) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
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Second S		WATERS					Size (Miles						TMDL Creation	
Control Cont	Local Waterbody Name	ID (AU)	WBIC	Water Type		Mile Mile	or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Service (1968) (1968) (1968) (1968) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (1969) (Kummel Creek	358204	863500	RIVER		12 14	2	04/01/2006	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Control Cont	Kummel Creek						4							
Mary	Kummel Creek						4							
Property of the property of	Kummel Creek					0 10								
Control Cont	Kusel Lake	10761	189600	LAKE			79	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
March Marc	L. O Di	44000	4050000	DI) (ED		0 04	40	04/04/0040	NDO	Total Discourse	Long Part of Hall and	000 111:4:1	1	Discontinuo Listo I (SD)
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Martin M														
ser Mer Per Per Per Per Per Per Per Per Per P	Eac Gaux Bore (Goo Eake)	14700	2200000	Date	1 1100		301	04/01/2012	1 0/141 0		impairment onknown	JOGG EISICG	LOW	T Hospitorus Elsted (GF)
Second 165	Lake Alice	127972	1555900	IMPOUNDMENT	Lincoln		1,438	04/01/1998	Other		Low DO	303d Listed	Low	TMDL Needed (5A)
Mathematical Math	Lake Altoona	16084	2128100	LAKE	Eau Claire		840	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
March Marc	Lake Arrowhead													
March Marc														
March Marc														
Secret S														,
Separate 1969 184506														
March Marc														
Section Sect	Lake Desair													
Part					Marathon,					·	•			, ,
	Lake DuBay	3900358	1412200	IMPOUNDMENT	Portage		4,045	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
March Marc														
15	Lake DuBay													
March Marc	Lake Emily	1525397	161600	LAKE			268	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	I MUL Development	High	I MDL Needed (5A)
Marco	Lake George	15644	2050000	IMPOLINDMENT			125	04/04/2002	NDC	Total Phasebasis	Elevated all	30341 inted	Low	TMDI Needed (FA)
The Contact and Service of Contact and Servic														
Ame	Lanc Negotisa	11043	002000	LANE			5,209	04/01/2012	I J/NFO	rotai r nospriorus	Littess Algai Glowill	TIVIDE Apploved	HUL Applicable	TWIDE Approved by EFA III 2011 (4A)
Marchenome	Lake Koshkonong	11710	808700	LAKE			10,596	04/01/2002	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat, Turbidity	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
March Control 1171 1970 March 1970 March 1970 1970 March 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 1970 19							.,			·			, , , , , , , , , , , , ,	,, ,
Post	Lake Koshkonong	11710	808700	LAKE	Rock		10,596	04/01/2002	PS/NPS	Total Phosphorus	Low DO, Eutrophication	TMDL Approved	Not Applicable	
Part	Lake Lorraine													
Lake Michigan R2022 1 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES C	Lake Menomin	15651	2065900	IMPOUNDMENT	Dunn		1,009	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth, Elevated pH	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Lake Michigan R2022 1 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES Carbales, Razino, Lake Michigan R2022 2 20 GREAT LAKES C														
Marchogen														
Ministration Mini														
Best														
Security				GREATLAKES										
Dool, Kernella, Dool, Kern	Lake Michigan	892521	20				103	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Recompany Reco	, and the second				,,,					•				, , , ,
All Popular 177977 151400 MPOUNDMENT Lincoln 1.515 0.40171998 Other Oxygen Demand Carbon Oxygen Demand Oxygen	Lete Michigan	902524	20		Manitowoc, Milwaukee, Ozaukee, Racine,		402	04/04/4009	Contam Sad	DCPo	Contominated Fish Tissus	202d Listed	Low	TMDI Noodod (FA)
All Modern 12797 1515400 IMPOUNDENT Unclo 1515 0401/1998 Other Oxygen Demand) Low DO 3031 Lised Low TMDL Needed (GA) All Modern All	Lake Michigan	892521	20	SHURELINE	Sneboygan		103	04/01/1998	Contam. Sed.		Contaminated Fish Hissue	303d Listed	LOW	TMDL Needed (5A)
Memory Memory Memory Memory Memory Contaminated Fish Tissue 303d Listed Low Memory Arm. Deg. (68) Memory A	Lake Mohawksin	127977	1515400	IMPOLINDMENT	Lincoln		1 515	04/01/1998	Other		Low DO	303d Listed	Low	TMDL Needed (5A)
APP Page Page APP APP APP APP APP APP Page														
Apple Appl									= 0p.					
REAT LAKE Superior Reat Superior Secure Secure Secure Superior Secure Security	Lake Pepin	4704964	731800	LAKE			25,503	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Low	
Ame Superior Sup	Lake Sherwood	1851420	1377900		Adams		215	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
GREAT LAKES														
Lake Superior (mouth of Bois Brule River) 889439 2751220 SHORELINE Douglas 156 0401/1998 (or Alm. Dept. Mercury Contaminated Fish Tissue 303d Listed Low MTMDL Needed (SA) Low MTMDL Needed (SA) Low MEMORY (Contaminated Fish Tissue) 303d Listed Low Memory (MINION NEED) (SE) (SE) (SE) (SE) (SE) (SE) (SE) (SE	Lake Superior	892439	2751220		Douglas		156	04/01/2006	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Ask Superior (mouth of Bois Bruke Rive) 1855764 2751220 LAKE Douglas 66 04/01/1998 Contaminator Contaminator Fish Tissue 303d Listed Low Mercury Am. Dep. (58)	Laka Superior	902420	2751220		Douglas		156	04/04/1009	Contom Sod	DCPa	Contaminated Fish Tissue	202d Listad	Low	TMDL Needed (FA)
axies Superior (moth of Bos Brule River) 185784 27812/9 LAKE Douglas based 66 Q4/01/1998 Am. Dep. PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (6A) axie Waubesa 11661 803700 LAKE Dane 2,075 Q4/01/2012 PS/NPS Total Phosphorus Water Quality Use Restrictions, Impairment Unknown TMDL Approved Not Applicable TMDL Approved by EPA in 2011 (4/4 axie Wingra 11667 805000 LAKE Dane 345 Q4/01/2012 PS/NPS Total Phosphorus Water Quality Use Restrictions, Impairment Unknown TMDL Approved by EPA in 2011 (4/4 axie Wingra More Applicable TMDL Needed (6A) Average of Windrestrictions, Impairment Unknown TMDL Approved by EPA in 2011 (4/4 axie Wingra Axie Wi														
Age Marcup Age Marcup Age Marcup M														
Lake Wingra 11661 803700	Lake Three													
ake Winngra 11667 805000 LAKE Dane 345 04/01/2012 PS/NPS Total Phosphorus Impairment Unknown Deletion Not Applicable Removed Recovery Unknown ake Winnebag 1667 805000 LAKE Dane 345 04/01/2012 PS/NPS Total Phosphorus Contaminated Fish Tissue 303 d Listed Low DC, Lutrophication, Water Quality Use Turbidity TMDL Development High TMDL Needed (5A) ake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 NPS Total Phosphorus Low DO, Eutrophication, Water Quality Use TMDL Development High TMDL Needed (5A) ake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 NPS Total Phosphorus Restrictions, Excess Algai Growth TMDL Development High TMDL Needed (5A) .ake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 Contam. Sed. PCBs Contaminated Fish Tissue 303d Listed Low DC, Eutrophication, Recreational Restrictions -														, , , ,
ake Wingra 11667 905000 LAKE Dane Calumet, Winnebago, Fond du Lac 345 04/01/2012 Unknown PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) "ake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 NPS Sediment/Total Suspended Solids Turbidity TMDL Development High TMDL Needed (5A) "ake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 NPS Total Phosphorus Low DO, Eutrophication, Water Quality Use Low DO, E	Lake Waubesa													
Calumet Winnebago 35840 31100 LAKE du Lac 131,871 04/01/1998 NPS Sediment/Total Suspended Solids Turbidity TMDL Development High TMDL Needed (5A)	Lake Wingra													
Ace Winnebago 35840 31100 LAKE du Lac 131,871 04/01/1998 NPS Sediment/Total Suspended Solids Turbidity TMDL Development High TMDL Needed (5A)	Lake Wingra	11667	805000	LAKE			345	04/01/2012	Unknown	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Age Winnebago 35840 31100 LAKE du Lac 131,871 04/01/1998 NPS Sediment/Total Suspended Solids Turbidity Turbidity TMDL Development High TMDL Needed (5A)														
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Lake Winnebago 35840 131100 LAKE du Lac 131,871 0/01/1998 NPS Total Phosphorus Restrictions, Excess Algal Growth TMDL Development High TMDL Needed (5A) Lake Winnebago 35840 131100 LAKE du Lac 131,871 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 10,000 0/01/1998 Contam. Sed. La	Lake Williebago	336400	131100	LANE			131,071	04/01/1990	INFO	Sediment/Total Suspended Solids	ruibidity	TWIDE Development	nigii	TWIDL Needed (SA)
Age											Low DO, Eutrophication, Water Quality Use			
Lake Winnebago 35840 31100 LAKE du Lax du La	Lake Winnebago	358400	131100	LAKE			131,871	04/01/1998	NPS	Total Phosphorus		TMDL Development	High	TMDL Needed (5A)
Lake Winnebago 358400 131100 LAKE du Lac 131,871 04/01/1998 Contam. Sed. PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 04/01/2010 NPS Total Phosphorus Blue Green Algae TMDL Development High TMDL Needed (5A) Jake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 04/01/1998 Contam. Sed. PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) Jake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 04/01/1998 Contam. Sed. PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) Jack Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Low TMDL Needed (5A) a.au Creek 113989 831600 RIVE							. , .							,
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Lake Wisconsin 13500 1260600 IMPOUNDMENT Sauk, Columbia 9,000 04/01/1998 Contam. Sed. PCBs Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) a.ake Wisconsin 13500 1266000 IMPOUNDMENT Sauk, Columbia 9,000 04/01/1998 Contam. Sed. Mercury Contaminated Fish Tissue 303d Listed Low TMDL Needed (5A) a.anon Creek 42431 773700 RIVER Waskeyla 0 5 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Low TMDL Needed (5A) a.ary Lake (Fall R Millpond) 11442 843400 LAKE Columbia 161 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown, Excess Algal Growth 303d Listed Low TMDL Approved by EPA in 2011 (4A Legler School Branch 1364 882900 RIVER Green 0 6 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved NA by TMDL Needed (5A)	Lata Mean and	40=00	400000	11 4 DOL 11 12 1 1 2 1	0.16.		0	04/04/2011	NES	T I Di				TMDI NI. 1 (771)
_ake Wisconsin 13500 1260800 IMPOUNDMENT Sauk_Columbia 9,00 0,401/1998 Contaminated Mercury Contaminated Fish Tissue 303d Listed Low TMDL Needed (SA) _annon Creek 42431 773700 RIVER Waukesha 0 5 5 0,401/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Low TMDL Needed (SA) _azy Lake (Fall R Millpord) 11442 843400 LAKE Columbia 161 0,401/1208 PS/NPS Total Phosphorus Impairment Unknown, Excess Algal Growth 303d Listed Low TMDL Approved by EPA (A) _eelger School Branch 13648 882990 RIVER Green 0 6 5 0,401/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable Low TMDL Needed (SA) _eelper School Branch 1366 882990 RIVER Green 0 6 5 0,401/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable Low														
_annor Creek 424314 773700 RIVER Waukesha 0 5 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Low TMDL Needed (5A) _auc Creek 11399 831600 RIVER Dodge 0 6 6 04/01/2016 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Needed (5A) _azy Lake (Fall R Millpond) 11442 843400 LAKE Columbia 161 04/01/2012 PS/NPS Total Phosphorus Impairment Unknown, Excess Algal Growth 303d Listed Low TMDL Needed (5A) _eepler School Branch 13648 882900 RIVER Green 0 6 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Approved by EPA in 2005 (4/04/2014 NPS Sediment/Total Suspended Solids Elevated Water Temperature, Degraded Habitat 303d Listed Low TMDL Approved by EPA in 2005 (4/04/2014 NPS Sediment/Total Suspended Solids Elevated Water Temper														
Lau Creek 11398 831600 RIVER Dodge 0 6 6 04/01/2016 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Aplicable TMDL Approved by EPA in 2011 (4/2 Lazy Lake (Fall R Millpond) 11442 843400 LAKE Columbia 161 04/01/2012 PS/NPS Total Phosphorus Impairment Unknown, Excess Algal Growth 303d Listed Low TMDL Approved by EPA in 2011 (4/2 Legler School Branch 13646 882900 RIVER Green 0 6 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Approved by EPA in 2011 (4/2 Approved by EPA in 2011 (4/2) NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Approved by EPA in 2011 (4/2) NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Development MOX Applicable TMDL Not Applicable MOX Applicable MDL Approved Not Applicable MDL Approve						0 5								
Lazy Lake (Fall R Millipord) 11442 843400 LAKE Columbia 161 04/01/2012 PS/NPS Total Phosphorus Impairment Unknown, Excess Algal Growth 303d Listed Low TMDL Aperoved by EPA (6A) Legler School Branch 13646 882900 RIVER Green 0 6 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved by EPA (6A) Low TMDL Neoded (5A) Low TMDL Neoded (5A) Low TMDL Approved by EPA (6A) 1005 (4/01/2014) FS/NPS Sediment/Total Suspended Solids Elevated Water Temperature, Degraded Habitat 303d Listed Low TMDL Neoded (5A) Low TMDL Neoded (5A) Low TMDL Neoded (5A) TMDL Neoded (5A) Low TMDL Neoded (5A) Low TMDL Development High Phosphorus Listed (5P) Low TMDL Neoded (5A) Low TMDL Development High Phosphorus Listed (5P) Low TMDL Development High Phosphorus Listed (5P) Low Low TMDL Development High Phosphorus Listed (5P) Low Low Low Addition </td <td>Lau Creek</td> <td></td>	Lau Creek													
Legier School Branch 13646 882900 RIVER Green 0 6 5 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Approved by EPA in 2005 (4/01/2014) Lehner Creek 10067 24400 RIVER Washington 0 2 2 04/01/1998 NPS Sediment/Total Suspended Solids Elevated Water Temperature, Degraded Habitat 3034 Listed Low TMDL Needed (5A) Lemonweir River 13069 1301700 RIVER Juneau 26 26 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Lemonweir River 201397 1301700 RIVER Juneau 26 31 5 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Lemonweir River 201397 1301700 RIVER Juneau 26 31 56 04/01/2016 NPS Total Phosphorus Impairment Unknown </td <td>Lazy Lake (Fall R Millpond)</td> <td></td>	Lazy Lake (Fall R Millpond)													
Lehner Creek 10067 24400 RIVER Washington 0 2 2 04/01/1998 NPS Sediment/Total Suspended Solids Elevated Water Temperature, Degraded Habitat 303d Listed Low TMDL Needed (5A) Lemonweir River 13050 1301700 RIVER Juneau 0 26 04/01/2014 PS/NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Lemonweir River 13060 1301700 RIVER Juneau 26 31 5 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Lemonweir River 201397 1301700 RIVER Juneau, Monroe 31 56 25 04/01/2012 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Leota Lake 902198 884700 LAKE Rock 36 04/01/2016 NPS Total Phosphorus Excess Algal Growth Proposed for List Melium T	Legler School Branch					0 6					Degraded Habitat			
Lemonweir River 13060 1301700 RIVER Juneau 26 31 5 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Lemonweir River 201397 1301700 RIVER Juneau, Monroe 31 56 25 04/01/2012 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Leota Lake 902198 884700 LAKE Rock 36 04/01/2016 NPS Total Phosphorus Excess Algal Growth Proposed for List Medition TMDL Needed (5A) Lilly Creek 10042 18400 RIVER Waukesha 0 5 5 04/01/2016 NPS Chloride Chloride Chronic Aquatic Toxicity Addition Low TMDL Needed (5A)	Lehner Creek	10067	24400	RIVER	Washington	0 2		04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Lemonweir River 201397 1301700 RIVER Juneau, Monroe 31 56 25 04/01/2012 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) Leota Lake 902198 884700 LAKE Rock 36 04/01/2016 PS/NPS Total Phosphorus Excess Algal Growth Proposed for List Medition TMDL Needed (5A) Lily Creek 10042 18400 RIVER Waukesha 0 5 5 04/01/2016 NPS Chloride Chronic Aquatic Toxicity Addition Low TMDL Needed (5A)	Lemonweir River													
Leota Lake 902198 884700 LAKE Rock 36 04/01/2016 PS/NPS Total Phosphorus Excess Algal Growth Proposed for List Medium TMDL Needed (5A) Lilly Creek 10042 18400 RIVER Waukesha 0 5 5 04/01/2016 NPS Chloride Chronic Aquatic Toxicity Addition Low TMDL Needed (5A)	Lemonweir River													
.illy Creek 10042 18400 RIVER Waukesha 0 5 5 04/01/2016 NPS Chloride Chronic Aquatic Toxicity Addition Low TMDL Needed (5A)						31 56								
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		10042	10-100	INIVEN	TTUUNCOIIA	0 0	J	0-7/01/2010	Outer	i coai comonii	recreational restrictions - ratifogells	JOOU LISIEU	LUW	TIMEL NEGUEU (UA)

	WATERS				Start End	Size (Miles						TMDL Creation	
Lily River	ID (AU) 10555	WBIC 370900	Water Type RIVER	County Forest, Langlade	Mile Mile 0 10		Date Listed 04/01/2016	Source Category PS/NPS	Pollutant Unknown Pollutant	Impairment Indicator Elevated Water Temperature	Impaired Water Status Proposed for List	Priority	Listing/Delisting Details TMDL Needed (5A)
Limestone Creek	11601	866800	RIVER	Washington	0 10	10	04/01/2016	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Low Not Applicable	TMDL Needed (5A) TMDL Approved by EPA in 2011 (4A)
Limestone Creek	11602	866800	RIVER	Washington	2 5	3	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Lincoln Creek	9999	19400	RIVER	Milwaukee	0 10	10	04/01/2014	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Lincoln Creek	9999	19400	RIVER	Milwaukee	0 10		04/01/1998	Other	PAHs	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Lincoln Creek	9999	19400	RIVER	Milwaukee	0 10		04/01/2012	Contam. Sed.	PCBs Unspecified Metals	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Lincoln Creek Lincoln Creek	9999 9999	19400 19400	RIVER RIVER	Milwaukee Milwaukee	0 10		04/01/1998	Other Other	Sediment/Total Suspended Solids	Chronic Aquatic Toxicity Elevated Water Temperature, Degraded Habitat	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Lincoln Creek	9999	19400	RIVER	Milwaukee	0 10		04/01/1998	Other	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Lipsett Lake	16977	2678100		Burnett		393	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Little Arbor Vitae Lake	128524	1545300) LAKE	Vilas		534	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	High	Natural Conditions (5C)
Little Arbor Vitae Lake		1545300		Vilas		534	04/01/2016	PS/NPS	Unknown Pollutant	Eutrophication	Proposed for List	Low	Natural Conditions (5C)
Little Baraboo River Little Bear Creek	13007 12360	1282500		Richland, Sauk Wood	0 12	12	04/01/2014	PS/NPS PS/NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A) Phosphorus Listed (5P)
Little Bear Creek	15571	2048000		Buffalo	0 4	4	04/01/2014 04/01/2012	NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	TMDL Development 303d Listed	High Low	Phosphorus Listed (5P)
Entro Botal Grook	10011	2010000	1111211	Banaio	0 .	•	0 1/0 1/2012	0	Total Theophorae	Degraded Biological Community, Impairment	OCCU Elotou	2011	1 Hoophordo Elotod (er)
Little Bear Creek	12359	1416900	RIVER	Wood	0 2	2	04/01/2014	NPS	Total Phosphorus	Unknown	TMDL Development	High	TMDL Needed (5A)
Little Bear Creek	18505	1234700		Richland, Sauk	0 7	7	04/01/2010	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Little Bear Creek	18505	1234700		Richland, Sauk	0 7	7	04/01/2010	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Little Bearskin Lake Little Crooked Lake	128180	1523500 2335500		Oneida Vilas		164 153	04/01/2016 04/01/2014	PS/NPS NPS	Total Phosphorus Unknown Pollutant	Impairment Unknown Excess Algal Growth	Proposed for List 303d Listed	High Low	Natural Conditions (5C) TMDL Needed (5A)
Little Dummy Lake		1861400		Barron		31	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Entire Burning Earce	10000	1001400	DIKE	Marathon,		01	04/01/2010	1 0/141 0	Total i Hospilorus	impairment entitionin	1 Toposca for List	LOW	1 Hospitorus Elsted (or)
Little Eau Pleine River	12354	1412600	RIVER	Portage	0 29	29	04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Little Eau Pleine River	12355	1412600) RIVER	Clark, Marathon	29 57	28	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Little Cooper Labor	10100	100500	1 41/5	0		100	04/04/0000	NIDO	Total Discontinuo	Low DO, Eutrophication, Water Quality Use	TMDL Daniel	1.0 - 5	TMDI Needs 1 (54)
Little Green Lake Little Hemlock Creek	18120 12225	162500 1367100	LAKE RIVER	Green Lake Wood	0 11	466 11	04/01/2006 04/01/2016	NPS PS/NPS	Total Phosphorus	Restrictions, Degraded Habitat, Elevated pH Water Quality Use Restrictions	TMDL Development Proposed for List	High High	TMDL Needed (5A) TMDL Needed (5A)
Little La Crosse River		1655900		Monroe	0 10		04/01/2016	NPS	Total Phosphorus Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Little Lake Wissota		2152800		Chippewa	5 10	364	04/01/2012	PS/NPS	Sediment/Total Suspended Solids	Eutrophication	TMDL Approved		TMDL Approved by EPA in 2010 (4A)
Little Lake Wissota		2152800		Chippewa		364	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Elevated pH	TMDL Approved		TMDL Approved by EPA in 2010 (4A)
Little Lemonweir River		1306100		Juneau	0 5	5	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Little Lemonweir River	948033			Juneau	5 12		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Little Lemonweir River Little Lemonweir River		1306100		Juneau, Monroe Monroe	12 23 23 25		04/01/2014 04/01/2014	NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown	TMDL Development TMDL Development	High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Little Lemonwell River	946065	1300100	NIVER	Ozaukee,	23 20		04/01/2014	INFO	Total Phosphorus	Impairment Unknown	TWIDE Development	High	Phosphorus Listed (SP)
Little Menomonee	10038	17600	RIVER	Milwaukee	0 9	9	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
				Ozaukee,									
Little Menomonee	10038	17600	RIVER	Milwaukee	0 9	9	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Little Menomonee	10038	17600	RIVER	Ozaukee, Milwaukee	0 9	9	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Little Menomonee	10038	17600	RIVER	Ozaukee,	0 9	9	04/01/2016	P5/NP5	Unknown Pollulant	Elevated water remperature	Addition	LOW	TMDL Needed (5A)
Little Menomonee	10038	17600	RIVER	Milwaukee	0 9	9	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
				Ozaukee,					·	· · · · · · · · · · · · · · · · · · ·			, ,
Little Menomonee	10038	17600	RIVER	Milwaukee	0 9	9	04/01/1998	Contam. Sed.	Creosote	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Little Menomonee River	10039	17900	RIVER	Ozaukee	0 4	4	04/01/2010	Other NPS	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Little Muskego Lake Little Platte River	18103 1527892	762700	LAKE RIVER	Waukesha Grant	0 34	470 34	04/01/1998 04/01/2016	PS/NPS	Total Phosphorus Total Phosphorus	Low DO Degraded Biological Community	303d Listed Proposed for List	Low Medium	TMDL Needed (5A) TMDL Needed (5A)
Little Rice Lake	10668	406400	LAKE	Forest	0 34	1,219	04/01/2010	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Little River	10881	441300	RIVER	Oconto	0 10		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Little Sand Lake	10609	389700	LAKE	Forest, Langlade		243	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Little Sand Lake	16827	2661600) LAKE	Barron		101	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Little Consider Diver	40000	444000	RIVER	Brown, Oconto,	0 04	24	04/04/0044	NDC	Total Dhaanhana	Decreeded Biological Community	20241:-4-4	Laur	TMDI Nandad (5A)
Little Suamico River Little Sugar River	10862 13633	411800 880100	RIVER	Shawano Green	0 24		04/01/2014 04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Degraded Biological Community Impairment Unknown	303d Listed 303d Listed	Low	TMDL Needed (5A) Phosphorus Listed (5P)
Little Sugar River, West Branch	13639	881400	RIVER	Green	0 7	7	04/01/2014	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Little Waumandee Creek	14446	1810300		Buffalo	0 11	11	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Little Willow Creek	13349	1221300		Richland	0 8	8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2008 (4A)
Little Willow Creek	13349	1221300		Richland	0 8	8	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Low	Phosphorus Listed (5P)
Little Willow Creek		1221300		Richland	0 8	8	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Little Yellow Lake Livingston Branch	16927 13828	2674800 932700) LAKE RIVER	Burnett Iowa	0 12	348	04/01/2014 04/01/1998	NPS NPS	Total Phosphorus Ammonia (Unionized) - Toxin	Eutrophication, Excess Algal Growth Chronic Aquatic Toxicity	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Livingston Branch	13828	932700	RIVER	lowa	0 12		04/01/1998	NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
Livingston Branch	13828	932700	RIVER	lowa	0 12		04/01/1998	NPS	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Local Water	3991645	870400	RIVER	Fond du Lac	0 7	7	04/01/2016	NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Local Water	3992057		RIVER	Lafayette	0 2	2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Local Water	3994614		RIVER	Fond du Lac	0 4	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Local Water	1524881		RIVER	Shawano	0 3	3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A) TMDL Needed (5A)
Local Water Local Water	3894716 3991618	070000	RIVER RIVER	Kenosha Fond du Lac	0 1	1 8	04/01/2016 04/01/2016	PS/NPS NPS	Unknown Pollutant Total Phosphorus	Degraded Biological Community Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Local Water	3991618		RIVER	Racine	0 1	1	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Local Water	3992334		RIVER	Oconto	0 3	3	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
				Calumet,							·		
Local Water	3993962			Outagamie	0 5	5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Local Water		3000558		Brown, Shawano	0 5	5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Local Water Local Water		5010743 5020832		Oconto Manitowoc	0 5	5 6	04/01/2016 04/01/2016	PS/NPS PS/NPS	Unknown Pollutant Total Phosphorus	Degraded Biological Community Degraded Biological Community	Proposed for List Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Local Water		2833500		Douglas	0 6	7	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Lomira Creek	18236	864100	RIVER	Dodge	0 6	6	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Long Coulee Creek		1676100		La Crosse	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
		00=00		Sheboygan, Fond			04/07/11		M.	0. 11. 12. 12. 12. 12.	000////		M
Long Lake		38700	LAKE IMPOUNDMENT	du Lac Γ Price		427 418	04/01/1998 04/01/1998	Atm. Dep.	Mercury Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Long Lake Long Lake		2303500		I Price Iron		418 373	04/01/1998	Atm. Dep. Atm. Dep.	Mercury Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) Mercury Atm. Dep. (5B)
Long Lake		1001000		Lincoln		132	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Long Lake		1001000		Oneida		113	04/01/2012	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Long Lake	128193	1609000) LAKE	Oneida		620	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Long Lake		2351400		Chippewa		1,062	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Long Lake	9816	321300	LAKE	Shawano		86	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Long Lake	15992	2106800) LAKE	Washburn		3,290	04/01/2014	NPS	Total Phosphorus	Eutrophication, Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)

Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County	Start End Mile Mile	Size (Miles or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
				•						Eutrophication, Degraded Biological Community,	•	•	
Long Lake (Big Long)	18042	77500	LAKE	Manitowoc		120	04/01/2010	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Medium	TMDL Needed (5A)
Long Lake Br	17655	2894900		Bayfield	0 17	17	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Long Lake Branch		2894900		Bayfield	17 22	5	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Long Lake T47 Psy S2		2478200		Polk		272	04/01/2014	NPS Atm. Don	Total Phosphorus	Excess Algal Growth Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Long Lake T47 R8w S2 Long Lake T47 R8w S2		2767100 2767100		Bayfield Bayfield		280 280	04/01/1998 04/01/2016	Atm. Dep. PS/NPS	Mercury Unknown Pollutant	Excess Algal Growth	303d Listed Addition	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Long Lake T47 Row S2 Long Lake T48 R5w S6		2767100		Bayfield		32	04/01/2018	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Long Trade Lake		2640500		Polk		153	04/01/1990	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Long Trade Lake		2640500		Polk		153	04/01/2014	NPS	Unknown Pollutant	Eutrophication	303d Listed	Low	TMDL Needed (5A)
Loon Lake		2478600		Barron		94	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Loretta Lake (Burnett Flowage)	15330		IMPOUNDMENT	Sawyer		12	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Lost Lake	11419	837100	LAKE	Dodge		245	04/01/2016	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Lost Lake on Ranch Creek	35458	5586673	B LAKE	Monroe		18	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Lotus Lake	16460	2616900		Polk		246	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Louisburg Cr	13856	943000	RIVER	Grant	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Loveless Lake (Bass)	18885	2620000		Polk		141	04/01/2012	Unknown	Total Phosphorus	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
Loveless Lake (Bass)	18885	2620000		Polk		141	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Addition	Low	TMDL Needed (5A)
Lower Barstow Impoundment	296926	742500			175 176	25	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO, Turbidity	303d Listed	Low	TMDL Needed (5A)
Lower Barstow Impoundment	296926	742500		Waukesha	175 176	25	04/01/2016		PCBs	Contaminated Fish Tissue	Addition	Low	TMDL Needed (5A)
Lower Barstow Impoundment	296926	742500		Waukesha	175 176	25	04/01/1998	PS/NPS	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Lower Barstow Impoundment	296926		IMPOUNDMENT	Waukesha	175 176		04/01/1998	PS/NPS	Total Phosphorus	Low DO, Turbidity	303d Listed	Low	TMDL Needed (5A)
Lower Bass Lake		1002300		Langlade		89	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Lower Buckatabon Lake		1621000		Vilas		352	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5C)
Lower Fox Piver (Appleton Dam To I	15907	1864000) LAKE	Barron		162	04/01/2012	PS/NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Lower Fox River (Appleton Dam To L. Winnebago Outlet)	357364	117000	RIVER	Outagamie,	32 40	8	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Lower Fox River (Appleton Dam To L.	35/364	11/900	NIVER	Winnebago	JZ 40	0	04/01/1998	F3/NP3	Total Phosphorus	LOW DO	INIDE Approved	ног Аррисавіе	TWIDE Approved by EPA III 2012 (4A)
Winnebago Outlet)	357364	117900	RIVER	Outagamie, Winnebago	32 40	8	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	EAP Project	Not Applicable	TMDL Needed (5A)
Lower Fox River (Depere Dam To Middle	337304	117300	INVER	Brown,	JZ 40	U	0-7/01/1330	Jonani. Jed.	1 003	CORRESTINATOR FISH FISSUE	LAI PTOJECE	. Tot Applicable	TIMDE Nacueu (JA)
Appleton Dam)	357301	117900	RIVER	Outagamie	7 32	25	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Lower Fox River (Depere Dam To Middle	207001			Brown,	. 02	20	0 ., 0 1, 1000	. 3,141 0	Total Thosphorus	20.7 00		. tot / ipplioable	27. pp. 0100 by E1 71 111 2012 (47)
Appleton Dam)	357301	117900	RIVER	Outagamie	7 32	25	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	EAP Project	Not Applicable	TMDL Needed (5A)
Lower Fox River (Mouth To Depere Dam)	10678	117900	RIVER	Brown	0 7	7	04/01/2008	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Lower Fox River (Mouth To Depere Dam)	10678	117900	RIVER	Brown	0 7	7	04/01/1998	PS/NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2012 (4A)
												11	
Lower Fox River (Mouth To Depere Dam)	10678	117900	RIVER	Brown	0 7	7	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	EAP Project	Not Applicable	TMDL Needed (5A)
Lower Koshkonong Creek	304950	808800	RIVER	Dane, Jefferson	0 27	27	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Lower Merrillan Pond	18613	1711500) LAKE	Jackson		38	04/01/1998	NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
Lower Nemadji River	17456	2835300) RIVER	Douglas	0 38	38	04/01/2010	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Lower Pine Creek	15755	2085300) RIVER	Dunn	0 7	7	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Lower Pine Creek	1457751	2085300) RIVER	Barron, Dunn	14 17	3	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Lower Turtle Lake		2079700		Barron		276	04/01/2010	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Lowes Creek		2123900		Eau Claire	1 12	11	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Lyman Lake		2856400		Douglas		370	04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Lyndon Creek		1300700		Juneau	0 6	6	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
Lyndon Creek	13055	1300700		Juneau	6 9	3	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
Lynx Lake		2954500		Vilas		339	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Lyons Park Creek	9982	15950	RIVER	Milwaukee	0 2	2	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Machickanee Flowage (Imp)	10949	448200				435	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mackaysee Lake (Muckayee)	10196	93500	LAKE	Door		347	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Madden Br	13847	939100	RIVER	Lafayette	0 8	8	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Magnor Lake (Richardson)		2624600	LAKE LAKE	Polk		231	04/01/2010	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Maiden Lake Mallalieu Lake	18259	487500	IMPOUNDMENT	Oconto Saint Croix		269 289	04/01/1998	Atm. Dep. NPS	Mercury Total Phosphorus	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Ividilalieu Lake	10400	2007100	INFOUNDMENT	Calumet,		209	04/01/2004	INFO	Total Phosphorus	Eutrophication, Excess Algal Growth, Elevated pH	TIVIDE Developmen	t High	TWIDL Needed (SA)
Manitowoc R. So. Branch	9924	77900	RIVER	Manitowoc	0 13	13	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
IVIAIIILOWOC IX. 30. DIAIICII	3324	11300	KIVLK	Calumet,	0 13	10	04/01/1990	Contain. Sed.	1 003	Contaminated Fish Fissue, Contaminated Sediment	JUJU LISIEU	LOW	TIVIDE Needed (SA)
Manitowoc R. So. Branch	9924	77900	RIVER	Manitowoc	0 13	13	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Maritowoo IV. Go. Branon	3324	77300	MVEIX	Calumet,	0 10	10	04/01/2010	1 0/141 0	Officiowit i officialit	Lievated Water Temperature	Addition	LOW	TWDE Neceded (6/1)
Manitowoc R. So. Branch	9924	77900	RIVER	Manitowoc	0 13	13	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
	3324		VEIX	Calumet, Fond	0 10	10	0 1/0 1/2012	0	rotal i nospiloras	Train Quanty 550 Hostilolions	JUJU LIJIUU	calum	1.11.52 1.35000 (07)
Manitowoc R. So. Branch	3990110	77900	RIVER	du Lac	13 37	24	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
	2220.70	. 200			. 0.		220.0	2,1,1,1		. J z = z ominamy	., 101 231		(0.1)
Manitowoc River	482064	71000	RIVER	Manitowoc	2 21	19	04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Manitowoc River	482064	71000	RIVER	Manitowoc	2 21	19	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
				Calumet,					·				, ,
Manitowoc River	482116	71000	RIVER	Manitowoc	21 36	15	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Manitowoc River (Main Stem)	9882	71000	RIVER	Manitowoc	0 2	2	04/01/2002	Contam. Sed.	PAHs	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Manitowoc River (Main Stem)	9882	71000	RIVER	Manitowoc	0 2	2	04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Marengo River		2911900			12 39	27	04/01/2016		Fecal Coliform	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Marinuka Lake		1678200		Trempealeau		117	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Marinuka Lake		1678200		Trempealeau		117	04/01/2010	NPS	Total Phosphorus	Eutrophication, Impairment Unknown	303d Listed	Low	TMDL Needed (5A)
Markham Creek	18247	796400	RIVER	Rock	0 7	7	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Marlowe Branch	18565	959400	RIVER	Grant	0 6	6	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Martin Branch	13926	963400	RIVER	Grant	4 5	1	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Martin Branch	13927	963400	RIVER	Grant	5 10	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Martin Branch	18569	963400	RIVER	Grant	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2007 (4A)
Martinville Cr	13887	955100	RIVER	Grant	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Martinville Cr	13888	955100		Grant	3 5	2	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Martinville Cr	13887	955100	RIVER	Grant	0 3	3	04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Martinville Cr	13887	955100	RIVER	Grant	0 3	3	04/01/2016		Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Martinville Cr	13888	955100	RIVER	Grant	3 5	2	04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Martinville Cr	13888	955100		Grant	3 5	2	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Mary Park Beach	3894231	2608800	INLAND BEACH	Saint Croix		0	04/01/2012	Unknown	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Manlawaki Basah II al - O	4450010	0754000	GREAT LAKES	Anhlord			04/04/0045	DOMESO	Fire	Decreetional Decrees Decree	December 16 - 11 :	1.	TMDL No. 1, 1/54)
Maslowski Beach, Lake Superior		2751220		Ashland	0 1	11	04/01/2016		E. coli	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Mason Creek	11498	851100	RIVER	Waukesha	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved	NOT Applicable	TMDL Approved by EPA in 2011 (4A)

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Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County	Start		Size (Miles or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
Mason Creek	11498	851100	RIVER	Waukesha	0	4	4	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Mason Creek	11499	851100	RIVER	Washington	4	6	2	04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO, Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Mason Creek		851100	RIVER	Washington	4		2	04/01/1998	NPS	Total Phosphorus	Low DO, Elevated Water Temperature			TMDL Approved by EPA in 2011 (4A)
Wason Creek	11433	031100	KIVLK	Adams,	-	U		04/01/1990	INFO	Total Filosphorus	LOW DO	TIVIDE Apploved	Not Applicable	TWIDE Approved by ETA III 2011 (4A)
Mason Lake	10733	175700	LAKE	Marquette			847	04/01/2002	NPS	Total Phosphorus	Excess Algal Growth, Elevated pH	TMDL Development	High	TMDL Needed (5A)
Master Disposal Drainage Channel			RIVER	Waukesha	0	1	1	04/01/1998	Contam. Sed.	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Maunesha River	11426	837500	RIVER	Dodge, Jefferson	0	6	6	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Maunesha River	11426	837500	RIVER	Dodge, Jefferson	0	6	6	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Maunesha River	356833	837500	RIVER	Dodge, Jefferson	5	13	8	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Maunesha River	356833	837500	RIVER	Dodge, Jefferson	5	13	8	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Maunesha River	356857	837500	RIVER	Dane	13	32	19	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Maunesha River	356857	837500	RIVER	Dane	13	32	19	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Mauthe Lake	11324	38200	LAKE	Fond du Lac			78	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mayflower Lake	9757	310500	LAKE	Marathon			98	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mcgrath Lake	128215	1003900	LAKE	Oneida			53	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mead Lake			IMPOUNDMENT				310	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2008 (4A)
Mead Lake	16142	2143900	IMPOUNDMENT	Clark			310	04/01/1998	NPS	Total Phosphorus	Low DO, Excess Algal Growth	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2008 (4A)
Meadow Creek	14660	2227900	RIVER	Rusk	0	5	5	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Medicine Lake		1611700		Oneida			372	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5C)
Meeme R.	207459	62900	RIVER	Manitowoc	0	12	12	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
			GREAT LAKES											
Memorial Drive Wayside Beach, Lake Michigan		20	BEACH	Manitowoc			3	04/01/1998	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Mendota County Park Beach	5475513	805400	INLAND BEACH	l Dane			0	04/01/2016	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
				_										
Mendota Lake	11672	805400	LAKE	Dane			9,781	04/01/2012	PS/NPS	Total Phosphorus	Water Quality Use Restrictions, Excess Algal Growth			TMDL Approved by EPA in 2011 (4A)
Mendota Lake	11672	805400	LAKE	Dane	_	2	9,781	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Menominee River	12050	609000	RIVER	Marinette	0		3	04/01/1998	Contam. Sed.	Arsenic	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Menominee River Menominee River	12050	609000	RIVER	Marinette	0	3	3	04/01/1998	Contam. Sed.	PAHs	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
	12050	609000	RIVER	Marinette	0	3	3	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	
Menominee River Menominee River	12050	609000 609000	RIVER RIVER	Marinette Marinette	3	3 43	3 40	04/01/1998 04/01/1998	Contam. Sed. Contam. Sed.	Mercury PCBs	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Menominee River	12089 12090	609000	RIVER		43		45			PCBs		303d Listed		
Menominee River	12090	609000	RIVER	Marinette	43	00	45	04/01/1998	Contam. Sed.	PUBS	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
				Washington, Waukesha,										
Menomonee River	3884139	16000	RIVER	Milwaukee	6	30	24	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Menomonee River	10017	16000	RIVER	Milwaukee	3	6	4	04/01/2014	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Menomonee River	426506	16000	RIVER	Milwaukee	0	3	3	04/01/2010	PS/NPS	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Menomonee River	426506	16000	RIVER	Milwaukee	0	3	3	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Menomonee River	426506	16000	RIVER	Milwaukee	0	3	3	04/01/1998	PS/NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Menomonee River	426506	16000	RIVER	Milwaukee	0	3	3	04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Menomonee River	426506	16000	RIVER	Milwaukee	0	3	3	04/01/1998	PS/NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
Merrill Flowage		1481100					284	04/01/1998	Contam, Sed.	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Meyers Valley Creek		1776700		Trempealeau	2	6	4	04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
, 5.75 7 5.75			GREAT LAKES											(0.)
												000 113-1-1	1	TAIDLAL (CA)
Michigan Boulevard Beach, Lake Michigan	3894230	20	BEACH	Racine			0	04/01/2012	Unknown	E. coli	Recreational Restrictions - Pathogens	303a Listea	LOW	IMDL Needed (5A)
Michigan Boulevard Beach, Lake Michigan Middle Branch Of O'Neill Creek	3894230 14266		BEACH	Racine Clark	0	8	8	04/01/2012	Unknown NPS	E. coli Total Phosphorus	Recreational Restrictions - Pathogens Impairment Unknown	303d Listed 303d Listed	Low	TMDL Needed (5A) Phosphorus Listed (5P)
Michigan Boulevard Beach, Lake Michigan Middle Branch Of O'Neill Creek		20 1749700		Clark	0	8		04/01/2012	NPS NPS	E. coli Total Phosphorus	Recreational Restrictions - Pathogens Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Middle Branch Of O'Neill Creek	14266	1749700	RIVER GREAT LAKES	Clark	0	8					Impairment Unknown			
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior	14266 1489001		RIVER GREAT LAKES	Clark	0	8	8	04/01/2014	NPS	Total Phosphorus		303d Listed	Medium	Phosphorus Listed (5P)
Middle Branch Of O'Neill Creek	14266 1489001 11412	1749700 2751220	RIVER GREAT LAKES BEACH RIVER	Clark Douglas			8	04/01/2014	NPS PS/NPS	Total Phosphorus E. coli	Impairment Unknown Recreational Restrictions - Pathogens	303d Listed Proposed for List	Medium Low	Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296	1749700 2751220 835500	RIVER GREAT LAKES BEACH RIVER RIVER	Clark Douglas Dodge	0	3	1 3	04/01/2014 04/01/2016 04/01/2014	NPS PS/NPS NPS	Total Phosphorus E. coli Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown	303d Listed Proposed for List 303d Listed	Medium Low Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Creek	14266 1489001 11412 13296 13418	1749700 2751220 835500 1215600	RIVER GREAT LAKES BEACH RIVER RIVER RIVER	Clark Douglas Dodge Richland	0	3	1 3 15	04/01/2014 04/01/2016 04/01/2014 04/01/2014	PS/NPS NPS PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown	303d Listed Proposed for List 303d Listed 303d Listed	Medium Low Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296 13418 18452 11412	1749700 2751220 835500 1215600 1242200 1326700 835500	RIVER GREAT LAKES BEACH RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Clark Douglas Dodge Richland Iowa	0 0 0	3 15 16 8 3	8 1 3 15 16 2 3	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2014	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed	Medium Low Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296 13418 18452 11412 11571	1749700 2751220 835500 1215600 1242200 1326700 835500 867700	RIVER GREAT LAKES BEACH RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge	0 0 0 0	3 15 16 8 3 13	8 1 3 15 16 2 3 13	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2014 04/01/2016	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List	Medium Low Low Low Low High	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296 13418 18452 11412 11571 12318	1749700 2751220 835500 1215600 1242200 1326700 835500 867700 1398600	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage	0 0 0 6 0	3 15 16 8 3 13	8 1 3 15 16 2 3 13	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2014 04/01/2016 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO	Proposed for List 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development	Medium Low Low Low High Low Low High	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319	1749700 2751220 835500 1215600 1242200 1326700 835500 867700 1398600 1398600	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage	0 0 0 6 0 0	3 15 16 8 3 13 16 33	8 1 3 15 16 2 3 13 16 17	04/01/2014 04/01/2016 04/01/2014 04/01/2012 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development TMDL Development	Medium Low Low Low High Low Low High	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109	1749700 2751220 835500 1215600 1242200 1326700 835500 867700 1398600 1398600 1688500	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Portage Wood, Portage Jackson	0 0 0 6 0 0 0	3 15 16 8 3 13 16 33 5	8 1 3 15 16 2 3 13 16 17 3	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/1998 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Troposed for List TMDL Development MDL Development 303d Listed	Medium Low Low Low Low High Low High High Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 1688500 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee	0 0 0 6 0 0 0 16 3	3 15 16 8 3 13 16 33 5	8 1 3 15 16 2 3 13 16 17 3	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2016 04/01/2016 04/01/1998 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development TMDL Development 303d Listed	Medium Low Low Low High Low High Low High Low Low High Low Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424	2751220 835500 1215600 1242200 1326700 835500 835500 1398600 1398600 15010 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee	0 0 0 6 0 0 0 16 3	3 15 16 8 3 13 16 33 5 0	8 1 3 15 16 2 3 13 16 17 3 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed. PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed 303d Listed 303d Listed	Low Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Creek Mill Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424	2751220 835500 1215600 1242200 835500 1326700 835500 867700 1398600 1398600 1688500 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee	0 0 0 6 0 0 0 16 3 0	3 15 16 8 3 13 16 33 5 0	8 1 3 15 16 2 3 13 16 17 3 0 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 150d Listed	Low Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424	2751220 835500 1215600 1242200 835500 1326700 835500 867700 1398600 1398600 1688500 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee	0 0 0 6 0 0 0 16 3 0	3 15 16 8 3 13 16 33 5 0	8 1 3 15 16 2 3 13 16 17 3 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed. PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed 303d Listed 303d Listed	Low Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 1854856	2751220 835500 1215600 1242200 1326700 835500 867700 1398600 1598600 15010 15010 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee,	0 0 0 6 0 0 0 16 3 0 0	3 15 16 8 3 13 16 33 5 0 0	8 1 3 15 16 2 3 13 16 17 3 0 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development MDL Development 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Medium Low Low Low Low High Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Creek Mill Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424	2751220 835500 1215600 1242200 835500 1326700 835500 867700 1398600 1398600 1688500 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee	0 0 0 6 0 0 0 16 3 0	3 15 16 8 3 13 16 33 5 0	8 1 3 15 16 2 3 13 16 17 3 0 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 150d Listed	Low Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 1854856 426381	2751220 835500 1215600 1242200 1326700 835500 835500 1398600 1398600 15010 15010 15010 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Czaukee, Milwaukee Ozaukee,	0 0 0 6 0 0 0 16 3 0 0 0	3 15 16 8 3 13 16 33 5 0 0 0 29	8 1 3 15 16 2 3 13 16 17 3 0 0 0 10	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS PS/NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed. Contam. Sed. NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 403d Listed 303d Listed Froposed for List TMDL Development TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 1854856	2751220 835500 1215600 1242200 1326700 835500 867700 1398600 1598600 15010 15010 15010	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee	0 0 0 6 0 0 0 16 3 0 0 0	3 15 16 8 3 13 16 33 5 0 0 0 29	8 1 3 15 16 2 3 13 16 17 3 0 0	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2012 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development MDL Development 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed	Medium Low Low Low Low High Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Mill Mill Mill Mill Mill Mill Mill	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 426424 1854856	1749700 2751220 835500 1215600 1215600 1242200 1326700 835500 867700 1398600 1398600 15010 15010 15010 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington	0 0 0 6 0 0 0 16 3 0 0 0 19 3	3 15 16 8 3 13 16 33 5 0 0 0 29	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 17 3 3 16 17 3 16 16 17 18 19 19 19 19 19 19 19 19 19 19	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS Contam. Sed. PS/NPS NPS Contam. Sed. PS/NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low Low High Low Low High High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River Milwaukee River Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426424 426381 481566	2751220 835500 1215600 1242200 1326700 835500 867700 1398600 1398600 15010 15010 15010 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee	0 0 0 0 6 0 0 0 0 16 3 0 0 0 0 19	3 15 16 8 3 13 16 33 5 0 0 0 29	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS PS/NPS NPS NPS NPS NPS NPS PS/NPS NPS Contam. Sed. NPS PS/NPS Contam. Sed. NPS PS/NPS NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs PCBs Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low Low High Low Low More High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Approved by EPA in 2008 (4A) Phosphorus Listed (5P) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River Milwaukee River Milwaukee River Milwaukee River Milwaukee River Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426424 426424 426424 426424 426424 426424 426381 481566	2751220 835500 1215600 1215600 1242200 835500 835500 867700 1398600 15010 15010 15010 15000 15000	RIVER GREAT LAKES BEACH RIVER INVER RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee	0 0 0 0 6 0 0 0 0 16 3 0 0 0 0 19	3 15 16 8 3 13 16 33 5 0 0 0 29 19 69	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS Contam. Sed. PS/NPS Contam. Sed. PS/NPS Contam. Sed. PS/NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus FCBs E. coli E. coli	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12319 14109 426424 426424 426424 426381 481566 426339 426339 426339	1749700 2751220 835500 1215600 1215600 1242200 1326700 835500 835500 1398600 1398600 15010 15010 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Milwaukee Ozaukee, Milwaukee	0 0 0 0 6 0 0 0 0 16 3 0 0 0 0 0 17 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 13 16 33 5 0 0 0 29	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chonic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Fish Tissue	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 400 Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River Milwaukee River Milwaukee River Milwaukee River Milwaukee River Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426424 426424 426424 426424 426424 426424 426381 481566	2751220 835500 1215600 1215600 1242200 835500 835500 867700 1398600 15010 15010 15010 15000 15000	RIVER GREAT LAKES BEACH RIVER INVER RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee Ozaukee, Washington Milwaukee Milwaukee Milwaukee Ozaukee, Miswaukee Ozaukee, Miswaukee Milwaukee Milwaukee	0 0 0 0 6 0 0 0 0 16 3 0 0 0 0 19	3 15 16 8 3 13 16 33 5 0 0 0 29 19 69	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS Contam. Sed. PS/NPS Contam. Sed. PS/NPS Contam. Sed. PS/NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus FCBs E. coli E. coli	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5P) Phosphorus Listed (5P) TMDL Needed (5A) TMDL Needed (5A)
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Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12319 14109 426424 426424 426424 426381 481566 426339 426339 426339	1749700 2751220 835500 1215600 1242200 1326700 835500 867700 1398600 15010 15010 15010 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Jackson Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Milwaukee Milwaukee Ozaukee, Washington	0 0 0 0 6 0 0 0 0 16 3 0 0 0 0 0 17 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 113 16 33 5 0 0 0 29 19 69	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chonic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Fish Tissue	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 400 Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426424 426424 426424 426424 426426 426381 426339 426339 426339 426339	1749700 2751220 835500 1215600 1242200 83700 1326700 837500 1398600 1598600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington	0 0 0 0 6 0 0 0 0 16 3 0 0 0 19 3 29	3 15 16 8 3 13 16 33 5 0 0 0 29 19 69	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Sediment	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
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Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426424 426424 426426 426381 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 1214200 1326700 867700 1398600 1398600 15010 15010 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland lowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Milwaukee Ozaukee, Milwaukee Milwaukee Ozaukee, Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 13 16 3 3 5 0 0 0 0 29 19 69 3 3 3 3 19 19 19 19 19 19 19 19 19 19 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16	04/01/2014 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS SNPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus F. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus FOBS E. coli Unspecified Metals PCBs E. coli Unspecified Metals FOBS E. coli Unspecified Metals FOBS E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426424 426424 426426 426381 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 1214200 1326700 867700 1398600 1398600 15010 15010 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee	0 0 0 0 6 0 0 0 0 16 3 0 0 0 19 3 29	3 15 16 8 3 13 16 3 3 5 0 0 0 0 29 19 69 3 3 3 3 19 19 19 19 19 19 19 19 19 19 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS Contam. Sed.	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Sediment	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12319 14109 426424 426424 426424 426424 426381 481566 426339 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Washington	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 13 13 5 0 0 0 0 29 19 69 3 3 3 3 3 19 19 19 19 19 19 19 19 19 19 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16 16	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS SNPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals FCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426424 426424 426426 426381 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 13 13 5 0 0 0 0 29 19 69 3 3 3 3 3 19 19 19 19 19 19 19 19 19 19 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16	04/01/2014 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS PS/NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS PS/NPS Contam. Sed. PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed Proposed for List TMDL Development TMDL Development 303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426381 481566 426339 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Milwaukee Milwaukee Milwaukee Ozaukee, Milwaukee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 13 13 16 0 0 0 0 29 19 69 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 16 16 16 16 16	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019 04/01/2019	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS PS/NPS NPS Contam. Sed. PS/NPS PS/NPS Contam. Sed. PS/NPS PS/NPS PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue	Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed 403d Listed Proposed for List TMDL Development TMDL Development 303d Listed	Medium Low Low Low Low Low Low High Low Low Low Low Low Low Low Low Not Applicable Medium Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12319 14109 426424 426424 426424 426424 426381 481566 426339 426339 426339 426339 426339 426339	1749700 2751220 835500 1215600 12145600 867700 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Milwaukee	0 0 0 0 0 0 0 0 0 0 0 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 13 16 33 35 5 0 0 0 29 19 69 3 3 3 3 3 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16 16	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	PS/NPS PS/NPS NPS PS/NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS PS/NPS Contam. Sed. PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
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Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426424 426424 426424 1854856 426339 426339 426339 426339 426339 426339 426381 426381 481566 481605	1749700 2751220 835500 1215600 12145600 867700 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Ozaukee, Ozaukee, Ozaukee	0 0 0 0 0 0 0 0 0 0 16 3 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 13 16 33 35 5 0 0 0 29 19 69 3 3 3 3 3 19 19 19	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 16 16 16 39 35	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus F. coli Unspecified Metals PCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals FCBs E. coli Unspecified Metals FCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
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Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12319 14109 426424 426424 426424 426424 426381 481566 426339 426339 426339 426339 426339 426339 426339 426381 481566 481605 1854856	1749700 2751220 835500 1215600 1215600 1326700 867700 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Ozaukee, Ozaukee, Ozaukee	0 0 0 0 6 0 0 0 16 3 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 113 16 3 3 16 0 0 0 29 19 69 19 19 19 69	8 1 3 15 16 2 3 3 13 16 17 3 0 0 10 16 39 3 3 16 16 16 39 35 10	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant Unknown Pollutant Unknown Pollutant E. coli	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed Proposed for List TMDL Development 303d Listed Proposed for List 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 133418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426426 426339 426339 426339 426339 426339 426339 426381 481566 481605 1854856	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Milwaukee Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee, Ozaukee	0 0 0 0 6 0 0 0 16 3 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 113 16 3 3 16 0 0 0 29 19 69 19 19 19 69	8 1 3 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16 16 39 35 10 24	04/01/2014 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2019 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS NPS NPS NPS Contam. Sed. PS/NPS Unknown	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant Unknown Pollutant E. coli Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed Proposed for List 1000 Listed Proposed for List 1000 Listed	Medium Low Low Low High Low High Low Low Low Low Low Low Low Low Not Applicable Medium Low Low Low Low Low Low Low Low Medium Low Low Low Medium Low Low Low Medium Low Low Low Low Medium Low Low Low Low Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 133418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426426 426339 426339 426339 426339 426339 426339 426381 481566 481605 1854856	1749700 2751220 835500 1215600 1214600 867700 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Mashington, Fond du Lac Ozaukee Ozaukee, Sheboygan, Washington Ashland Lafayette, Iowa	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 3 16 13 16 3 3 3 5 0 0 0 29 19 69 19 19 69 19 19 69	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 16 16 16 39 35 10	04/01/2014 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids PCBs E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus FCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant Unknown Pollutant Unknown Pollutant E. coli Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Impairment Unknown Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Sediment Low DO Contaminated Sediment Low DO Contaminated Sediment Low DO Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens Degraded Biological Community Impairment Unknown	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed	Medium Low Low Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 13418 18452 11412 11571 12318 12319 14109 426424 426424 426424 426381 481566 426339 426339 426339 426339 426339 426381 481566 481605 1854856 10071 891211 13810	1749700 2751220 835500 1215600 1242200 1326700 835500 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Mashington, Fond du Lac Ozaukee, Sheboygan Ashland Lafayette, lowa Sheboygan	0 0 0 0 6 0 0 0 16 3 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 11 16 0 0 0 29 19 69 19 19 19 69 103 29 29	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 3 3 16 16 16 16 24 227 29 13	04/01/2014 04/01/2016 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/198 04/01/198 04/01/1998 04/01/1998 04/01/1998 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016 04/01/2016	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS S/NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed. PS/NPS Unknown PS/NPS NPS NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Total Phosphorus FOBs L. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant Unknown Pollutant Unknown Pollutant Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue, Contaminated Sediment Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens Degraded Biological Community Impairment Unknown Impairment Unknown	303d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List TMDL Development 303d Listed 4ddition Addition Proposed for List 303d Listed 303d Listed	Medium Low Low Low High Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)
Middle Branch Of O'Neill Creek Middle River Beach, Lake Superior Mill Creek Mill Waukee Harbor Milwaukee Harbor Milwaukee River	14266 1489001 11412 13296 133418 18452 11412 11571 12318 12319 426424 426424 426424 426424 426424 426424 426424 1854856 426339 426339 426339 426339 426339 426381 426381 481566 481605 1854856	1749700 2751220 835500 1215600 1242200 1326700 867700 1398600 1398600 15010 15010 15010 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000 15000	RIVER GREAT LAKES BEACH RIVER	Clark Douglas Dodge Richland Iowa Monroe Dodge Dodge Dodge Portage Wood, Portage Jackson Milwaukee Milwaukee Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Washington Milwaukee Ozaukee, Mashington, Fond du Lac Ozaukee Ozaukee, Sheboygan, Washington Ashland Lafayette, Iowa	0 0 0 0 6 0 0 0 16 3 0 0 0 19 3 29 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	3 15 16 8 8 3 11 16 0 0 0 29 19 69 19 19 19 69 103 29 29	8 1 3 15 16 2 3 13 16 17 3 0 0 10 16 39 3 3 16 16 16 39 35 10 24 227	04/01/2014 04/01/2016 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/2014 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/1998 04/01/2016 04/01/2016 04/01/2016 04/01/2016	NPS PS/NPS NPS NPS NPS NPS NPS NPS NPS NPS PS/NPS NPS PS/NPS NPS Contam. Sed. PS/NPS DS/NPS PS/NPS	Total Phosphorus E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus Sediment/Total Suspended Solids Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus E. coli Unspecified Metals PCBs Total Phosphorus Total Phosphorus Foral Phosphorus E. coli Unspecified Metals PCBs E. coli Unspecified Metals PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unspecified Metals Total Phosphorus PCBs E. coli Unknown Pollutant Unknown Pollutant Unknown Pollutant E. coli Total Phosphorus Total Phosphorus Total Phosphorus Total Phosphorus	Impairment Unknown Recreational Restrictions - Pathogens Impairment Unknown Degraded Habitat Water Quality Use Restrictions Low DO Low DO Degraded Habitat Contaminated Fish Tissue Recreational Restrictions - Pathogens Chronic Aquatic Toxicity Contaminated Fish Tissue Impairment Unknown Impairment Unknown Contaminated Fish Tissue Contaminated Fish Tissue Recreational Restrictions - Pathogens Elevated Water Temperature Elevated Water Temperature Recreational Restrictions - Pathogens Degraded Biological Community Impairment Unknown	903d Listed Proposed for List 303d Listed 303d Listed 303d Listed 303d Listed 303d Listed TMDL Development 303d Listed Proposed for List 303d Listed	Medium Low Low Low High Low Low High Low	Phosphorus Listed (5P) TMDL Needed (5A) Phosphorus Listed (5P) TMDL Needed (5A)

	WATERS				Start End	Size (Miles						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County		or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Mississippi (Reach 1) Rush-Vermillion - St. Croix R to Chippewa R(Pools 3- lower Pool 4, Lake													
Pepin)	892119	721000	RIVER	Pierce, Pepin	763 812	48	04/01/2008	NPS	Sediment/Total Suspended Solids	Degraded Submerged Aquatic Vegetation (SAV)	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 1) Rush-Vermillion - St. Croix										Out to the LEST Town Water Out to the			
R to Chippewa R(Pools 3- lower Pool 4, Lake Pepin)	892119	721000	RIVER	Pierce, Pepin	763 812	48	04/01/1998	Other	PCBs	Contaminated Fish Tissue, Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 1) Rush-Vermillion - St. Croix													, ,
R to Chippewa R(Pools 3- lower Pool 4, Lake Pepin)	802110	721000	RIVER	Pierce, Pepin	763 812	48	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 1) Rush-Vermillion - St. Croix	032113	721000	KIVLK	rierce, repiii	703 012	40	04/01/1990	Other	Wercury	Water Quality Use Nestrictions	3030 Listed	LOW	TWDL Needed (JA)
R to Chippewa R(Pools 3- lower Pool 4, Lake													
Pepin) Mississippi (Reach 1) Rush-Vermillion - St. Croix	892119	721000	RIVER	Pierce, Pepin	763 812	48	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
R to Chippewa R(Pools 3- lower Pool 4, Lake													
Pepin)	892119	721000	RIVER		763 812	48	04/01/2008	Other	PFOs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 2) Buffalo-Whitewater -				Buffalo, La Crosse, Pepin,									
Chippewa River to LD 6 (lower Pool 4 to Pool 6)	892047	721000	RIVER	Trempealeau	714 763	49	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Mississippi (Reach 2) Buffalo-Whitewater -				Buffalo, La Crosse, Pepin,						Contaminated Fish Tissue, Water Quality Use			
Chippewa River to LD 6 (lower Pool 4 to Pool 6)	892047	721000	RIVER		714 763	49	04/01/1998	Other	PCBs	Restrictions	303d Listed	Low	TMDL Needed (5A)
				Buffalo, La									, ,
Mississippi (Reach 2) Buffalo-Whitewater - Chippewa River to LD 6 (lower Pool 4 to Pool 6)	892047	721000	RIVER	Crosse, Pepin, Trempealeau	714 763	49	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Onippewa river to ED 0 (lower r cor 4 to r cor 0)	032047	721000	KIVEK	Buffalo, La	714 700	40	04/01/1330	Other	Weredry	Water Quality OSC (Controller)	5000 Listed	LOW	TWDE Needed (071)
Mississippi (Reach 2) Buffalo-Whitewater -	000047	704000	DIV/ED	Crosse, Pepin,	744 700	40	0.4/0.4/0.000	0.11	DEO.	Outside LEst Tour	000 112-1-1	1	TAIDL No. de 4 (5A)
Chippewa River to LD 6 (lower Pool 4 to Pool 6) Mississippi (Reach 3) LaCrosse-Pine - LD 6 to	892047	/21000	RIVER	Trempealeau La Crosse,	714 763	49	04/01/2008	Other	PFOs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Root River (Pool 7 to upper Pool 8)	892011	721000	RIVER		694 714	21	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Mississippi (Reach 3) LaCrosse-Pine - LD 6 to Root River (Pool 7 to upper Pool 8)	892011	721000	RIVER	La Crosse,	694 714	21	04/01/1009	Othor	PCBs	Contaminated Fish Tissue, Water Quality Use	202d Lintod	Low	TMDI Noodod (EA)
Mississippi (Reach 3) LaCrosse-Pine - LD 6 to	892011	721000	RIVER	Trempealeau La Crosse,	094 / 14	21	04/01/1998	Other	PCBS	Restrictions	303d Listed	Low	TMDL Needed (5A)
Root River (Pool 7 to upper Pool 8)	892011	721000	RIVER		694 714	21	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 4) Coon-Yellow - Pool 10 portion - Wis R to LD 9)	891939	721000	RIVER	Crawford, Grant	631 648	17	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Mississippi (Reach 4) Coon-Yellow - Pool 10	031333	721000	KIVLK	Clawiolu, Glalit	031 040	17	04/01/2012	NI 3	Total Filospilorus	Contaminated Fish Tissue, Water Quality Use	3030 Listed	LOW	r nosphorus Listeu (3r)
portion - Wis R to LD 9)	891939	721000	RIVER	Crawford, Grant	631 648	17	04/01/1998	Other	PCBs	Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 4) Coon-Yellow - Pool 10 portion - Wis R to LD 9)	891939	721000	RIVER	Crawford, Grant	631 648	17	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 4) Coon-Yellow - Pool 8	031303	721000	KIVEK	Vernon, La	001 040	.,	04/01/1330	Other	Weredry	Water Quality 030 Nostrictions	5000 Listed	LOW	TWDE Needed (071)
portion - LD 8 to Root R.)	1848773	721000	RIVER		679 694	15	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Mississippi (Reach 4) Coon-Yellow - Pool 8 portion - LD 8 to Root R.)	1848773	721000	RIVER	Vernon, La Crosse	679 694	15	04/01/1998	Other	PCBs	Contaminated Fish Tissue, Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Mississippi (Reach 4) Coon-Yellow - Pool 8				Vernon, La						200 000			, ,
portion - LD 8 to Root R.) Mississippi (Reach 4) Coon-Yellow - Pool 9	1848773	721000	RIVER	Crosse	679 694	15	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
portion - LD 9 to LD 8)	1848750	721000	RIVER	Crawford, Vernon	648 679	31	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Mississippi (Reach 4) Coon-Yellow - Pool 9								0.1		Contaminated Fish Tissue, Water Quality Use			
portion - LD 9 to LD 8) Mississippi (Reach 4) Coon-Yellow - Pool 9	1848750	721000	RIVER	Crawford, Vernon	648 679	31	04/01/1998	Other	PCBs	Restrictions Contaminated Fish Tissue, Water Quality Use	303d Listed	Low	TMDL Needed (5A)
portion - LD 9 to LD 8)	1848750	721000	RIVER	Crawford, Vernon	648 679	31	04/01/2010	Other	Mercury	Restrictions	303d Listed	Low	TMDL Needed (5A)
Missississi (Danah 5) Carat Massaslata													
Mississippi (Reach 5) Grant-Maquoketa Wisconsin River to LD 11 (mid Pool 10 to LD 12)	16323	721000	RIVER	Crawford, Grant	583 631	48	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Low	Phosphorus Listed (5P)
										·			
Mississippi (Reach 5) Grant-Maquoketa Wisconsin River to LD 11 (mid Pool 10 to LD 12)	16323	721000	RIVER	Crawford, Grant	593 631	48	04/01/1998	Other	PCBs	Contaminated Fish Tissue, Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
WISCONSIII RIVEL TO ED 11 (IIIIU P 001 TO TO ED 12)	10323	721000	KIVLK	Clawlold, Glant	303 031	40	04/01/1990	Other	i CDS	Restrictions	3030 Listed	LOW	TWDL Needed (3A)
Mississippi (Reach 5) Grant-Maquoketa													
Wisconsin River to LD 11 (mid Pool 10 to LD 12) Mississippi (Reach 6) Apple-Plum LD 11 to	16323	721000	RIVER	Crawford, Grant	583 631	48	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Wisconsin State Line (upper Pool 12)	18638	721000	RIVER	Grant	581 583	2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Low	Phosphorus Listed (5P)
Mississippi (Reach 6) Apple-Plum LD 11 to Wisconsin State Line (upper Pool 12)	18620	721000	RIVER	Grant	581 583	2	04/01/1998	Other	PCBs	Contaminated Fish Tissue, Water Quality Use Restrictions	303d Listed	Lour	TMDL Needed (5A)
Mississippi (Reach 6) Apple-Plum LD 11 to	18638	121000	RIVER	Grant	JO1 383	2	04/01/1998	Outer	FUDS	Resulctions	JUJU LISIEU	Low	TWDL Needed (SA)
Wisconsin State Line (upper Pool 12)	18638	721000	RIVER	Grant	581 583	2	04/01/1998	Other	Mercury	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Missouri Creek		2055700	RIVER	Pierce	14 18	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Missouri Creek		2055700	RIVER	Dunn	9 14	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Moen Lake		1573800	LAKE	Oneida		460	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Molenb Crook		1573800	LAKE	Oneida	0 0	460	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Addition	High	Natural Conditions (5C)
Molash Creek Monona Lake	10164	90100 804600	RIVER LAKE	Manitowoc Dane	0 8	3,358	04/01/2012 04/01/2012	NPS PS/NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Eutrophication, Excess Algal Growth	303d Listed TMDL Approved	Medium	Phosphorus Listed (5P) MDL Approved by EPA in 2011 (4A)
Wichorla Lanc	11003	004000	LANE	Dalle		3,330	04/01/2012	I J/INF 3	rotai i nospiiotus	Luttophication, Excess Algai Glowill	TWDL Apployed	THO EMPHICADIE I	MDE Approved by EFA III 2011 (4A)
Monona Lake		804600	LAKE	Dane		3,358	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Moon Bay			BAY/HARBOR	Chippewa		361	04/01/2008	PS/NPS	Total Phosphorus	Eutrophication	303d Listed	Low	TMDL Needed (5A)
Moose Lake		2420600	LAKE	Sawyer		1,670	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Moose Lake	11147	337600	LAKE	Langlade		105	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Moose Lake		2420600	LAKE LAKE	Sawyer Ashland		1,670	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Low	Phosphorus Listed (5P) Mercury Atm. Dep. (5B)
Moquah Lake Morris Creek		2918200	RIVER		0 14	65	04/01/2014	Atm. Dep.	Mercury Total Phosphorus	Contaminated Fish Tissue	303d Listed 303d Listed	Low	
Morris Creek Mosher Creek	13209	1200000 133500	RIVER	Monroe Fond du Lac	0 14	14	04/01/2012	Unknown NPS	Total Phosphorus Sediment/Total Suspended Solids	Degraded Biological Community Degraded Habitat	TMDL Development	Low High	TMDL Needed (5A) TMDL Needed (5A)
Mud (Ojaski) Lake		2094600	LAKE	Barron	0 3	577	04/01/2002 04/01/2006	NPS NPS	Total Phosphorus	Eutrophication	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Mud (Ojaski) Lake Mud Creek	11387	840800	RIVER	Dane, Dodge	0 11	11	04/01/2006	NPS NPS	Sediment/Total Suspended Solids	Degraded Habitat			MDL Approved by EPA in 2011 (4A)
				Outagamie,									
Mud Creek	10846	129500	RIVER	Winnebago	0 4	4	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable T	MDL Approved by EPA in 2012 (4A)
Mud Creek	10846	129500	RIVER	Outagamie, Winnebago	0 4	4	04/01/2008	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved	Not Applicable T	MDL Approved by EPA in 2012 (4A)
Mud Creek	10847	129500	RIVER	Outagamie	4 7	3	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable T	MDL Approved by EPA in 2012 (4A)
Mud Creek		2344100	RIVER	Rusk, Chippewa	0 13	13	04/01/2014	Other	Total Phosphorus	Impairment Unknown	303d Listed	Low	Natural Conditions (5C)
Mud Creek	10259	131600	RIVER	Calumet	0 3	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)

Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type		Start En Mile Mil		Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
				Outagamie,									
Mud Creek	10846	129500 840800	RIVER	Winnebago	0 4	4	04/01/2016	NPS DC/NDC	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity Degraded Biological Community	Addition	Low	TMDL Needed (5A) TMDL Needed (5A)
Mud Creek Mud Creek (Left, Hills) T18n, R21e, S12	11387 9888	73600	RIVER RIVER	Dane, Dodge Manitowoc	0 10		04/01/2016 04/01/2016	PS/NPS PS/NPS	Total Phosphorus Unknown Pollutant	Elevated Water Temperature	Addition Proposed for List	Low	TMDL Needed (5A)
Mud Hen Lake		2649500		Burnett	0 10	563	04/01/2018	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mud Lake		2434800		Sawyer		480	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Mud Lake	128234			Oneida		124	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	Natural Conditions (5C)
Mullet River	9839	53400	RIVER	Sheboygan	0 18	18	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Murbou Creek	11937	541800	RIVER	Marinette	0 1	1	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Murphy (Wingra) Creek	11666	804700	RIVER	Dane	0 1	1	04/01/1998	Contam. Sed.	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Murray Creek	9826	323000	RIVER	Shawano	0 2	2	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Muskellunge Creek Muskellunge Creek	13908 13908	957600 957600	RIVER RIVER	Grant Grant	0 1	1	04/01/2016 04/01/2012	PS/NPS NPS	Unknown Pollutant Total Phosphorus	Degraded Biological Community Water Quality Use Restrictions	Addition 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Muskellunge Creek	13909	957600	RIVER	Grant	1 5		04/01/2012	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Muskellunge Lake	128570			Vilas	1 0	272	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
g										Non-Native Aquatic Plants, Water Quality Use			
Musky Bay	1850472	2390800	BAY/HARBOR	Sawyer		302	04/01/2012	PS/NPS	Total Phosphorus	Restrictions	303d Listed	Low	TMDL Needed (5A)
Musser Lake	14741	2245100	IMPOUNDMENT	Price		563	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Musser Lake	14741		IMPOUNDMENT			563	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Myrtle Lake	128571	1626000		Vilas		28	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
N. Fork Juda Branch	13615	877700	RIVER	Green	0 4	4	04/01/1998	PS/NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
N. Fork Juda Branch Namekagon Lake	13615	877700 2732600	RIVER LAKE	Green Bayfield	0 4	2,607	04/01/1998 04/01/2014	PS/NPS NPS	Total Phosphorus Total Phosphorus	Low DO, Degraded Biological Community	303d Listed 303d Listed	Medium Low	Phosphorus Listed (5P)
Narrows Creek	12996	1276400		Sauk	0 23		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
Neenah Channel	5720096		LAKE	Winnebago	0 20	102	04/01/2014	Contam. Sed.	PCBs	Contaminated Fish Tissue	Proposed for List	Low	TMDL Needed (5A)
Neenah Slough	10848	130800	RIVER	Winnebago	0 3	3	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Neenah Slough	357915		RIVER	Winnebago	3 4	1	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Neenah Slough	357955		RIVER	Winnebago	4 6	3	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Neenah Slough	10848	130800	RIVER	Winnebago	0 3	3	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Neenah Slough	357915		RIVER	Winnebago	3 4		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Neenah Slough	357955		RIVER	Winnebago	4 6		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Nelson Lake		2704200		Sawyer		2,503	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Neshonoc Lake Neshonoc Lake	13999 13999		IMPOUNDMENT IMPOUNDMENT			607 607	04/01/1998	PS/NPS Contam, Sed.	Sediment/Total Suspended Solids Mercury	Eutrophication, Elevated pH Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Neshonoc Lake			IMPOUNDMENT	La Crosse La Crosse		607	04/01/1998 04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Impairment Unknown, Elevated pH	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Neshonoc Lake	13999	1000000	INFOUNDMENT	Brown,		607	04/01/1996	F3/NF3	Total Phospholus	Eutrophication, impairment offkhown, Elevated ph	3030 Listed	LOW	TWDL Needed (SA)
Neshota River	18054	88200	RIVER	Kewaunee	3 17	14	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
New Lisbon Lake	13550	1306000		Juneau		60	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Newcomb Valley Creek	14357	1777400		Trempealeau	0 6		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2003 (4A)
Newman Lake	14762	1870200		Price		91	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Newton Creek		2843650		Douglas	0 2	2	04/01/1998	Contam. Sed.	PAHs	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Newton Creek		2843650		Douglas	0 2		04/01/1998	Contam. Sed.	Foam/Flocs/Scum/Oil Slicks	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Newton Creek		2843650		Douglas	0 2		04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	EAP Project	Not Applicable	TMDL Needed (5A)
Newton Lake	900376		LAKE	Oconto		19	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Nine Springs Creek Nine Springs Creek	11664 11664	804200 804200	RIVER RIVER	Dane Dane	0 6	6	04/01/2004	NPS NPS	Sediment/Total Suspended Solids Total Phosphorus	Elevated Water Temperature Low DO	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Ninemile Creek	11255	366800	RIVER	Langlade	0 13		04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Noquebay Lake	11872	525900	LAKE	Marinette	0 10	2,409	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
North Br Duck Creek	13526	1267500		Columbia	0 21		04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
North Branch Manitowoc River	9911	75900	RIVER	Calumet	0 7	7	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO, Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
North Branch Manitowoc River	9911	75900	RIVER	Calumet	0 7	7	04/01/1998	PS/NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
North Branch Of Pike River	10532	1900	RIVER	Racine, Kenosha	0 5	5	04/01/2008	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Next Bereit Of Bit - Bit	40500	4000	DIV/ED	Berley Kerryle		_	04/04/4000	DO ALDO	Halaman Ballaran	Observation Association To state to	000 11 1-1-1	1	TMDI No. 1, 1/54)
North Branch Of Pike River North Branch O'Neill Creek	10532 14265	1900 1749600	RIVER RIVER	Racine, Kenosha Clark	0 5	5 ' 17	04/01/1998 04/01/2014	PS/NPS NPS	Unknown Pollutant Total Phosphorus	Chronic Aquatic Toxicity Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
North Branch Wayne Creek	207448		RIVER	Washington	4 5		04/01/2014	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
North Creek	14360	1778600		Trempealeau	0 8		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2001 (4A)
North Flowage	14153		IMPOUNDMENT	Monroe	0 0	211	04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
North Fork Beaver Creek	1181543	1682500	RIVER	Jackson	12 19	8	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
North Fork Of Beaver Creek	14094	1682500	RIVER	Trempealeau	0 12	12	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
North Lake	16578	2630800) LAKE	Barron		89	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
North Lake	11496	850800	LAKE	Waukesha		437	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
North Nokomis Lake	128242			Oneida		468	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
North Spirit Lake		1515200		Price, Taylor		224	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
North Spirit Lake North Tributary to Silver Creek	425815 936838	1515200 147400) LAKE RIVER	Price, Taylor	0 4	224	04/01/2012 04/01/2016	Unknown NPS	Total Phosphorus	Excess Algal Growth	TMDL Development		Natural Conditions (5C) Phosphorus Listed (5P)
North Two Lakes		1007500		Fond du Lac Oneida	0 4	146	04/01/2016	Atm. Dep.	Total Phosphorus Mercury	Impairment Unknown Contaminated Fish Tissue	Proposed for List 303d Listed	High Low	Mercury Atm. Dep. (5B)
North Two Lakes	128244	1007500) LAKE	Ozaukee,		146	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	3030 Listed	LOW	Mercury Atm. Dep. (5B)
				Washington.									
Nor-X-Way Channel	10043	18450	RIVER	Waukesha	0 5	5	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
,				Ozaukee,									,
				Washington,									
Nor-X-Way Channel	10043	18450	RIVER	Waukesha	0 5		04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Nugget Lake	18769		IMPOUNDMENT			116	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Oak Creek	9969	14500	RIVER	Milwaukee	0 13		04/01/2014	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Oak Creek	9969	14500	RIVER	Milwaukee	0 13		04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Oak Creek	9969	14500	RIVER	Milwaukee	0 13		04/01/1998	NPS Atm. Dop	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Oconomowoc Lake Oconto River	11491	849600 440200	LAKE RIVER	Waukesha Oconto	0 10	795) 10	04/01/1998	Atm. Dep. Contam. Sed.	Mercury Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Oconto River Oconto River	10870 884729		RIVER	Oconto	10 15		04/01/1998 04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Oconto River		440200			31 36		04/01/1998	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Odana Pond		3000513		Dane	J. 30	14	04/01/2010	PS/NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Odana Pond		3000513		Dane		14	04/01/2012	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Ok Creek		877200		Green	0 7	7	04/01/2016	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	Proposed for List	Medium	TMDL Needed (5A)
Ok Creek	13611	877200	RIVER	Green	0 7	7	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Okauchee Lake	902156		LAKE	Waukesha		1,210	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Olbrich Park Beach			INLAND BEACH			0	04/01/2008	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Old Elk Lake		1871400		Dunn		90	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Old Elk Lake	16070	1871400) LAKE	Dunn		90	04/01/1998	NPS	Total Phosphorus	Low DO, Eutrophication	303d Listed	Low	TMDL Needed (5A)

	WATERS				Start End							TMDL Creation	
Local Waterbody Name Old Taylor Lake	ID (AU) 10274	WBIC 195000	Water Type LAKE	County Waupaca	Mile Mile	or Acres) 55	Date Listed 04/01/2014	Source Category NPS	Pollutant Total Phosphorus	Impairment Indicator Water Quality Use Restrictions	Impaired Water Status TMDL Development	Priority High	Listing/Delisting Details TMDL Needed (5A)
Olin Park Beach						0	04/01/2008	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Oliver Creek	11463	859000	RIVER	Dodge	0 4	4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
O'Neill Creek	14264	1748800	RIVER	Clark	0 3	3	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Onemile Creek		1303400		Juneau	1 4		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Onemile Creek		1303400		Juneau	0 1	1	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Onemile Creek Onemile Creek	947890 947914			Juneau Juneau	4 6 7 13	2 6	04/01/2014	NPS NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Onemile Creek	1517524			Juneau	6 7	1	04/01/2014	NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	TMDL Development TMDL Development	High High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Oneonta Lake			LAKE	Marinette	0 7	66	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Onion River	3987353		RIVER	Sheboygan	0 32		04/01/2012	PS/NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Oregon Branch	11656	800700	RIVER	Dane	0 5	5	04/01/2012	Unknown	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Osman Trib to Meeme River				Manitowoc	0 1	1	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Osman Trib to Meeme River	481039	5025264	1 RIVER	Manitowoc	0 1	1	04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Low	TMDL Needed (5A)
Oswego Lake		1871800		Vilas		66	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Otter Creek		1237100		Iowa	21 23		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		
Otter Creek		1237100		lowa	15 20		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2008 (4A)
Otter Creek	18477	1237100		lowa	0 15		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2008 (4A)
Otter Creek Otter Creek	18477	1237100		lowa	0 15 15 20		04/01/2014 04/01/2016	NPS PS/NPS	Total Phosphorus Unknown Pollutant	Impairment Unknown Elevated Water Temperature	303d Listed	Low	Phosphorus Listed (5P) TMDL Needed (5A)
Otter Creek	13449 13470	1237100		lowa Sauk	0 17	5 17	04/01/2016	NPS	Sediment/Total Suspended Solids	Degraded Habitat	Addition 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Otter Creek	13798	923300	RIVER	Lafayette, Iowa	0 17	11	04/01/2014	PS/NPS	Ammonia (Unionized) - Toxin	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Otter Creek	13798	923300	RIVER	Lafayette, Iowa	0 11	11	04/01/2016	PS/NPS	BOD	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Otter Creek		2125700		Eau Claire	0 27	27	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Otter Creek	18215	56400	RIVER	Sheboygan	0 4	4	04/01/2002	NPS	E. coli	Recreational Restrictions - Pathogens	EAP Project	Not Applicable	TMDL Needed (5A)
Otter Lake	16197	2157000) LAKE	Chippewa		602	04/01/2002	NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
Owl Lake		2307600		Iron		125	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Oxbow Lake		2954800		Vilas		523	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Oxbow Lake		2954800		Vilas		523	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Pages Slough (L. Poygan)	26906	251700	LAKE	Winnebago		150	04/01/2006	Other	Sediment/Total Suspended Solids	Degraded Habitat, Turbidity	TMDL Development		TMDL Needed (5A)
Pages Slough (L. Poygan)		251700	LAKE	Winnebago		150	04/01/2006	Other	Total Phosphorus	Eutrophication	TMDL Development	High	TMDL Needed (5A)
Palmer Lake Park Creek		2962900 834400) LAKE RIVER	Vilas	0 2	635 2	04/01/1998 04/01/1998	Atm. Dep. NPS	Mercury	Contaminated Fish Tissue Degraded Habitat	303d Listed	Low Not Applicable	Mercury Atm. Dep. (5B)
Park Creek	11410	834400	RIVER	Dodge	0 2		04/01/1998	INPS	Sediment/Total Suspended Solids	Contaminated Fish Tissue, Chronic Aquatic Toxicity.	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Park Falls Flowage, Lower	14891	2290100	IMPOUNDMENT	Price		62	04/01/1998	Contam. Sed.	Mercury	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Park Falls Flowage, Lower			IMPOUNDMENT			62	04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Park Lake	18131	180300	LAKE	Columbia		312	04/01/2006	NPS	Sediment/Total Suspended Solids	Eutrophication	TMDL Development	High	TMDL Needed (5A)
Park Lake	18131	180300	LAKE	Columbia		312	04/01/2006	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Parsons Creek	18157	136000	RIVER	Fond du Lac	0 3	3	04/01/2002	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Parsons Creek	18157	136000	RIVER	Fond du Lac	0 3	3	04/01/2002	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2007 (4A)
Pats Creek	13848	939800	RIVER	Lafayette	0 9	9	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Pattison Beach (State Park)	1455339	2838000	INLAND BEACH		0 0	0	04/01/2016	PS/NPS	E. coli	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Pecatonica River	40077	000400	DIVED	Green, Lafayette,	0 102	400	04/04/0040	NDC	Tatal Dhaanhania	lean allean and I belon accom	20241:4444	1	Dhaanhania Listad (SD)
Pelican Lake	13677 128252	889100 1579900	RIVER LAKE	lowa Oneida	0 102	3,585	04/01/2012 04/01/2016	NPS PS/NPS	Total Phosphorus Unknown Pollutant	Impairment Unknown Excess Algal Growth	303d Listed Proposed for List	Low	Phosphorus Listed (5P) TMDL Needed (5A)
r elicari Lake	120232	1373300	GREAT LAKES	Offeida		3,303	04/01/2010	r S/Nr S	Olikilowii i Oliutalit	Excess Algai Glowill	r roposed for List	LOW	TWIDE Needed (SA)
Pennoyer Park Beach, Lake Michigan	1452836	20	BEACH	Kenosha		1	04/01/2006	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Pensaukee River	10866	412900	RIVER	Oconto, Shawano	0 60	60	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Perch Lake T45 R7w S5		2770700		Bayfield		69	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Perch Lake, Bass		2368500		Rusk		23	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Perennial Stream A (Spp1)	425015		RIVER	Walworth	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Perennial Stream B (Tm2) Perennial Stream C (Pb018)	425131 425595		RIVER RIVER	Walworth Waukesha	0 2	2	04/01/1998 04/01/1998	NPS NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Elevated Water Temperature, Turbidity	TMDL Approved 303d Listed	Not Applicable Low	TMDL Approved by EPA in 2005 (4A) TMDL Needed (5A)
Perennial Stream C (Sc011)	425628			Waukesha	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Perennial Stream C (Sc011)	425628			Waukesha	0 3	3	04/01/1998	NPS	Total Phosphorus	Elevated Water Temperature	303d Listed	Low	TMDL Needed (5A)
Perennial Stream D (B4)	425054		RIVER	Walworth	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Perennial Stream D (Pb016)	425544			Waukesha	0 1	1	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Perennial Stream E (B5)	425097	753600	RIVER	Racine, Walworth	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2003 (4A)
Pesabic Lake		1481600		Lincoln		156	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Peshtigo Flowage			IMPOUNDMENT	Marinette		393	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Peshtigo River	11844	515500	RIVER	Marinette	54 60	6	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Booktigo Bivor	004000	E1EE00	DIVED	Moriesette	0 40	40	04/04/4000	Contor: Carl	More	Contaminated Fish Tissue. Contaminated Sediment	20241:	1	TMDI Nondad (CA)
Peshtigo River Petenwell Flowage		515500	RIVER IMPOUNDMENT	Marinette	0 12	12 23,001	04/01/1998 04/01/1998	Contam. Sed. PS/NPS	Mercury Total Phosphorus	Contaminated Fish Tissue, Contaminated Sediment Low DO, Water Quality Use Restrictions	303d Listed TMDL Development	Low	TMDL Needed (5A) TMDL Needed (5A)
Petenwell Flowage Petenwell Flowage			IMPOUNDMENT			23,001	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	High Low	TMDL Needed (5A) TMDL Needed (5A)
Petenwell Flowage			IMPOUNDMENT			23,001	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Petenwell Flowage			IMPOUNDMENT			23,001	04/01/1998	Contam. Sed.	Dioxin	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Peterson Creek	40005	275400	RIVER	Waupaca	0 8	8	04/01/2016	NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Phantom Lake		766000	LAKE	Waukesha		107	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Pheasant Branch	11695	805900	RIVER	Dane	0 1	1	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat		Not Applicable	TMDL Approved by EPA in 2011 (4A)
Pheasant Branch	11695	805900	RIVER	Dane	0 1	1	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Pheasant Branch	11696	805900	RIVER	Dane	1 9	8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Pheasant Branch	11696	805900	RIVER	Dane	1 9	8	04/01/1998	NPS	Total Phosphorus	Low DO, Degraded Biological Community	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Pheasant Branch	11695	805900	RIVER	Dane	0 1	1	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Pheasant Branch	11696	805900	RIVER	Dane	1 9	8	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Pickerel Lake				Oneida		736	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Pickerel Lake		1590400		Oneida	Ω 0	736	04/01/2014	NPS NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Pidgeon Creek Pigeon Creek	5688313 13916		RIVER	Trempealeau Grant	8 8 0 14	0 14	04/01/2014 04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Pigeon Creek		959600	RIVER	Grant	0 14		04/01/2012	PS/NPS	Unknown Pollutant	Degraded Biological Community	Addition	Low	TMDL Needed (5A)
Pigeon Creek		1700800		Jackson	0 5	5	04/01/2018	Habitat/Physical	Other flow regime alterations	Elevated Water Temperature	303d Listed	Low	TMDL Needed (5A)
Pigeon Creek		1792500		Trempealeau	0 8	8	04/01/1998	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Pigeon Lake	18022	64000	LAKE	Manitowoc		77	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Pigeon River		293100	RIVER	Waupaca	0 11		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	TMDL Development		Phosphorus Listed (5P)
				Manitowoc,					·	<u> </u>		-	
Pigeon River	1496062		RIVER	Sheboygan	0 18		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Pike Creek	896190	1200	RIVER	Kenosha	0 4	4	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Pike Lake	18227	858300	LAKE	Washington		461	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)

	WATERS				Start End	Size (Miles						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile Mile		Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Pike Lake Chain	14813	2268300	LAKE	Price		806	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	Natural Conditions (5C)
Pike River	1523844	1300	RIVER	Kenosha	0 1	1	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Pike River	1523844	1300	RIVER	Kenosha	0 1	1	04/01/2014	Unknown	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Pike River	1523844		RIVER	Kenosha	0 1	1	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Pike River	4696818		RIVER	Kenosha	1 10	8	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Pike River	4696818		RIVER	Kenosha	1 10		04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Pine Creek	9866	66300	RIVER	Manitowoc	2 6	4	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Pine Creek	9931	79900	RIVER	Calumet	0 6	6	04/01/1998	Contam, Sed.	PCBs	Contaminated Sediment	EAP Project	Not Applicable	TMDL Needed (5A)
Pine Creek	9932	79900	RIVER	Calumet	6 9	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Addition	Medium	TMDL Needed (5A)
Pine Creek	9932	79900	RIVER	Calumet	6 9	4	04/01/1998	Contam. Sed.	PCBs	Contaminated Sediment	EAP Project	Not Applicable	TMDL Needed (5A)
Pine Lake	14536	2092900	LAKE	Rusk, Chippewa	0 0	262	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Pine Lake	127787	406900	LAKE	Forest		1,670	04/01/1998	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Pine Lake, T29n R17w S01	16410	2489700	LAKE	Saint Croix		102	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Pine River	18493	1220600	RIVER	Richland	0 22	22	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Pioneer Lake	128589	1623400	LAKE	Vilas	0 22	427	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
	13647	883100	RIVER	Green	0 4	421	04/01/1998	NPS					TMDL Approved by EPA in 2005 (4A)
Pioneer Valley Creek		2490500	LAKE	Polk	0 4	270	04/01/1998	Atm. Dep.	Sediment/Total Suspended Solids	Degraded Habitat Contaminated Fish Tissue	TMDL Approved	Low	Mercury Atm. Dep. (5B)
Pipe Lake		2485700	LAKE						Mercury	Excess Algal Growth	303d Listed		
Pipe Lake, North	10020	2485700	LANE	Polk		55	04/01/2014	NPS	Unknown Pollutant	Excess Algai Growth	303d Listed	Low	TMDL Needed (5A)
Pixlev Flowage	44000	2222222	IMPOLINDMENT	Delen		400	04/04/4000	Contam, Sed.	Manania	Contaminated Fish Tissue, Contaminated Sediment	20241:-+-4	1	TMDI Nasadad (EA)
.,			IMPOUNDMENT	Price		182	04/01/1998		Mercury		303d Listed	Low	TMDL Needed (5A)
Planting Ground Lake	128261	1609100	LAKE	Oneida		1,012	04/01/2012	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Platte River	13865	943600	RIVER	Grant	0 38	38	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Plum Creek	357670	125100	RIVER	Brown, Calumet	14 16	3	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Plum Creek	10841	125100	RIVER	Brown	0 14		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Plum Creek	10841	125100	RIVER	Brown	0 14	14	04/01/2008	PS/NPS	Total Phosphorus	Degraded Biological Community, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Plum Creek	357719		RIVER	Calumet	16 20	3	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2012 (4A)
Plum Creek	13021	1287700	RIVER	Sauk	0 8	8	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Plum Creek	18230	868400	RIVER	Dodge	0 14		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Pokegama Lake	15817	2094300	LAKE	Barron		506	04/01/2006	NPS	Total Phosphorus	Eutrophication	303d Listed	Low	TMDL Needed (5A)
Poplar Creek	424456		RIVER	Waukesha	4 6	2	04/01/1998	NPS	Unknown Pollutant	Low DO	303d Listed	Low	TMDL Needed (5A)
Poplar Creek	424526		RIVER	Waukesha	6 8	2	04/01/1998	NPS	Unknown Pollutant	Low DO	303d Listed	Low	TMDL Needed (5A)
Poplar River	14276	1752900	RIVER	Clark	0 11	11	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Poplar River	18630	1752900	RIVER	Clark	11 14	3	04/01/2012	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Poplar River (Creek)	10511	772800	RIVER	Waukesha	0 4	4	04/01/1998	NPS	Unknown Pollutant	Low DO	303d Listed	Low	TMDL Needed (5A)
Popple (Poplar) River, North Fork	14283	1754800	RIVER	Clark	0 20	20	04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Popple (Poplar) River, North Fork	18632	1754800	RIVER	Clark	20 25	5	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Popple River East Fork	14282	1754500	RIVER	Clark	0 7	7	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
										·			1
Portage Canal	5534667	179500	RIVER	Columbia		16	04/01/2016	Contam, Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	Proposed for List	Low	TMDL Needed (5A)
Portage Canal	5534667		RIVER	Columbia		16	04/01/2016		Lead	Contaminated Sediment	Proposed for List	Low	TMDL Needed (5A)
Portage Canal	5534667	179500	RIVER	Columbia		16	04/01/2016		Mercury	Contaminated Sediment	Proposed for List	Low	TMDL Needed (5A)
Poskin Lake		2098000	LAKE	Barron		150	04/01/2012	Unknown	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Poskin Lake		2098000	LAKE	Barron		150	04/01/2014	NPS	Unknown Pollutant	Eutrophication	303d Listed	Low	TMDL Needed (5A)
Post Lake, Upper	10650	399200	LAKE	Langlade, Oneida		757	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Potato Lake		2355300	LAKE	Rusk		540	04/01/2014	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Potter Flowage			IMPOUNDMENT			348	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Potter Lake		2917200	LAKE	Ashland		29		Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed		Mercury Atm. Dep. (5B)
							04/01/1998					Low	
Potter Lake	10491	753800	LAKE	Walworth		162	04/01/2010	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
December 1 of the	40407	0.40000	LAKE	Waushara,		44044	0.4/0.4/4.000	NDO	0	December 111-12-1-1-12-12-1	TMDL Davidson	10.1	TMDI Nicolo I (5A)
Poygan Lake	18137	242800	LAKE	Winnebago		14,014	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat, Turbidity	TMDL Development	High	TMDL Needed (5A)
				Waushara,									
Poygan Lake	18137	242800	LAKE	Winnebago		14,014	04/01/1998	NPS	Total Phosphorus	Water Quality Use Restrictions, Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
				Waushara,									
Poygan Lake	18137	242800	LAKE	Winnebago		14,014	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Prairie Brook	13701	901500	RIVER	Green	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2005 (4A)
										Eutrophication, Degraded Habitat, Excess Algal			
Prairie Lake		2094100	LAKE	Barron		1,534	04/01/2006	NPS	Total Phosphorus	Growth	303d Listed	Low	TMDL Needed (5A)
Printz Creek	14126	1693100	RIVER	Monroe	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Puchyan River	11018	145200	RIVER	Green Lake	0 14	14	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
				Green Lake,									
Puckaway Lake	11081	158700	LAKE	Marquette		5,039	04/01/2010	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
				Green Lake,						Eutrophication, Water Quality Use Restrictions,			
Puckaway Lake	11081	158700	LAKE	Marquette		5,039	04/01/2010	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
				Waushara,						- v			, ,
Pumpkinseed Creek	10766	243300	RIVER	Winnebago	0 3	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
				Waushara,						<u> </u>		<u> </u>	,
Pumpkinseed Creek	10767	243300	RIVER	Winnebago	3 6	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Racine Harbor	481367	25	BAY/HARBOR	Racine	_	84	04/01/1998	Other	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Raeder Creek	18335		RIVER	Marathon	0 3	3	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Randall Creek		1431800	RIVER	Marathon	9 10	1	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Randall Creek		1431800	RIVER	Marathon	0 9	9	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development		TMDL Needed (5A)
Range Line Lake		1610300	LAKE	Oneida	0 0	123	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Range Line Lake		478200	LAKE	Forest		82	04/01/1990	PS/NPS	Total Phosphorus	Excess Algal Growth	Deletion	Not Applicable	Removed: Recovery Unknown
Range Line Lake		478200	LAKE	Forest		82	04/01/2012	PS/NPS	Unknown Pollutant	Excess Algal Growth	Addition	Low	TMDL Needed (5A)
Ivange Line Lake	12/191	47 0200	LANE	Outagamie,		02	04/01/2010	FOINFO	OIINIOWII FUIIUIdIII	LAUGOO AIGAI GIUWIII	Audition	LUW	TIVIDE NEGUEU (DA)
Rat River	10750	251900	RIVER		13 25	12	04/01/1998	NPS	Total Phaspharus	Low DO	TMDI Development	High	TMDL Needed (5A)
		251800		Winnebago	13 25	12			Total Phosphorus		TMDL Development	High	TMDL Needed (5A) TMDL Needed (5A)
Rat River	18133		RIVER	Winnebago	0 13	13	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Development	High	
Rat River		251800	RIVER	Winnebago	0 13		04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Rattlesnake Creek	13905	957300	RIVER	Grant	0 21	21	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
			GREAT LAKES										
Red Arrow Park Beach, Lake Michigan	481879		BEACH	Manitowoc		0	04/01/1998	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Red Cedar Lake	11715	813100	LAKE	Jefferson		359	04/01/2012	PS/NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
				Washburn,						Eutrophication, Water Quality Use Restrictions,			
		2109600	LAKE	Barron		1,841	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Red Cedar Lake		2063500	RIVER	Dunn	0 9	9	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Red Cedar River								NIDO			000 11'-1-1		
Red Cedar River Red Cedar River	15856	2063500	RIVER	Barron, Dunn	29 74		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Red Cedar River Red Cedar River Red Cedar River	15856						04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Red Cedar River Red Cedar River	15856 888812 15741	2063500 2063500 2063500	RIVER	Barron, Dunn	29 74			NPS Other					
Red Cedar River Red Cedar River Red Cedar River	15856 888812 15741	2063500 2063500	RIVER RIVER	Barron, Dunn Dunn	29 74 14 16	3 9	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)

	WATERS				Start End							TMDL Creation	
Local Waterbody Name Red Cedar River	ID (AU)	WBIC 2063500	Water Type 0 RIVER	County Dunn	Mile Mile 16 19	or Acres)	04/01/1998	Source Category PS/NPS	Pollutant Total Phosphorus	Impairment Indicator Eutrophication, Elevated pH	Impaired Water Status 303d Listed	Priority Low	Listing/Delisting Details TMDL Needed (5A)
Red Cedar River		2063500		Dunn	23 29	6	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
Red Cedar River		2063500		Dunn	9 14	4	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Red Cedar River		2063500	0 RIVER	Dunn	9 14	4	04/01/1998	NPS	Total Phosphorus	Eutrophication, Elevated pH	303d Listed	Low	TMDL Needed (5A)
Red Cedar River		2063500		Dunn	14 16		04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Red Lake Red River	1/251	2492100 101000		Douglas Kewaunee	0 9	258 9	04/01/1998 04/01/2014	Atm. Dep. NPS	Mercury Total Phosphorus	Contaminated Fish Tissue Impairment Unknown	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) Phosphorus Listed (5P)
Redstone Lake	13542	1280400		Sauk	0 9	612	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Redstone Lake		1280400		Sauk		612	04/01/2014	PS/NPS	Unknown Pollutant	Eutrophication	Addition	Low	TMDL Needed (5A)
Reservoir Pond (Imp)	11811	466700	IMPOUNDMENT	Γ Oconto		409	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Rice Lake		2103900		Barron		939	04/01/2012	Point Source	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Richland Creek	13669	889200		Green	0 14		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Richter Lake Riley School Branch	18635 18519	1760000 877600		Taylor Green	0 4	45 4	04/01/1998 04/01/2016	Atm. Dep. NPS	Mercury Sediment/Total Suspended Solids	Contaminated Fish Tissue Degraded Habitat	303d Listed Proposed for List	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Riley School Branch	18519	877600		Green	0 4	4	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (SA)
Roaring Creek	14136	1695200		Jackson	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Roaring Creek	14136	1695200	0 RIVER	Jackson	0 5	5	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Addition	Medium	TMDL Needed (5A)
Robinson Creek	14142	1696300		Jackson	0 12		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Rock Creek		2119000		Dunn	3 5	2	04/01/2002	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Rock Creek Rock Dam Lake	18628 18828	1750800	0 RIVER	Clark Clark	0 21	21 125	04/01/2012 04/01/1998	NPS Atm. Dep.	Total Phosphorus Mercury	Water Quality Use Restrictions Contaminated Fish Tissue	303d Listed 303d Listed	Medium Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Rock Dam Lake			0 IMPOUNDMENT			125	04/01/1996	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Rock Lake	11386	830700		Jefferson		1,365	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Rock Lake		2311700		Vilas		122	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Rock River	11455	788800		Rock	171 183	12	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rock River	11455	788800		Rock	171 183		04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rock River	354476			Rock	183 193		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Rock River	354476			Rock	183 193		04/01/1998 04/01/1998	PS/NPS PS/NPS	Total Phosphorus Sediment/Total Suspended Solids	Low DO			TMDL Approved by EPA in 2011 (4A)
Rock River	354542 354542			Rock Rock	193 201 193 201	8	04/01/1998	PS/NPS PS/NPS	Total Phosphorus	Degraded Habitat Low DO	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Rock River	354592			Rock	201 207		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rock River		788800		Rock	201 207		04/01/1998	PS/NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2011 (4A)
									·	Low DO, Eutrophication, Degraded Biological			
Rock River	356113			Dodge, Jefferson			04/01/2002	PS/NPS	Total Phosphorus	Community			TMDL Approved by EPA in 2011 (4A)
Rock River	356190			Jefferson	249 270		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat			TMDL Approved by EPA in 2011 (4A)
Rock River	356190 356250			Jefferson Dodge, Jefferson	249 270		04/01/2006 04/01/1998	PS/NPS PS/NPS	Total Phosphorus Sediment/Total Suspended Solids	Degraded Habitat Degraded Habitat	TMDL Approved TMDL Approved		TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Rock River	356250			Dodge, Jefferson			04/01/1996	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rock River	356322			Dodge	296 305		04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rock River	356322			Dodge	296 305		04/01/2006	PS/NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
				Green Lake,									
Rock River, South Branch	11580	869800	RIVER	Fond du Lac	4 20	16	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Deat Direct On the December	44500	000000	DIV/ED	Green Lake,	4 00	40	0.4/0.4/4.000	DO ALDO	Total Discoulance	100	TMDI Assessed	Nice Acceptable	TMD: 4
Rock River, South Branch Rock River, South Branch	11580 18232	869800 869800		Fond du Lac Fond du Lac	4 20 0 4	16 4	04/01/1998 04/01/1998	PS/NPS PS/NPS	Total Phosphorus Sediment/Total Suspended Solids	Low DO Degraded Habitat			TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A)
Rock River, South Branch	18232	869800		Fond du Lac	0 4	4	04/01/1998	PS/NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2011 (4A)
				Dodge, Fond du								тот фриссии	типе в при
Rock River, West Branch	11566	861300	RIVER	Lac	50 88	38	04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
				Dodge, Fond du									
Rock River, West Branch	11566	861300		Lac	50 88	38	04/01/2006	NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Rocky Creek Rogers Branch	13930	1370800 964300		Wood Grant	0 12	12 8	04/01/2014 04/01/1998	NPS NPS	Total Phosphorus Sediment/Total Suspended Solids	Impairment Unknown Degraded Habitat	TMDL Development TMDL Approved	High	Phosphorus Listed (5P) TMDL Approved by EPA in 2007 (4A)
Rogers Branch	13930	964300		Grant	0 8	8	04/01/1998	NPS	Total Phosphorus	Low DO, Degraded Biological Community	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Rogers Branch	13931	964300		Grant	8 12	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO, Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2007 (4A)
Rogers Branch	13931	964300		Grant	8 12	4	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2007 (4A)
Rogers Branch	13930	964300		Grant	0 8	8	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Rolling Stone Lake	10607	389300		Langlade	0 0	672	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	Natural Conditions (5C)
Root River Root River	10533 10533	2900 2900	RIVER RIVER	Racine Racine	0 6	6	04/01/2012 04/01/1998	NPS Other	Total Phosphorus PCBs	Impairment Unknown Contaminated Fish Tissue	303d Listed 303d Listed	Medium Low	Phosphorus Listed (5P) TMDL Needed (5A)
Root River	10333	2900	RIVER	Racine,	0 0	0	04/01/1996	Other	FCBS	Contaminated Fish Tissue	3030 Listed	LOW	TWDL Needed (SA)
				Waukesha,									
Root River	425682	2900	RIVER	Milwaukee	26 44	18	04/01/2014	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
				Racine,									
				Waukesha,									
Root River	425682	2900	RIVER	Milwaukee Racine,	26 44	18	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Low	TMDL Needed (5A)
				Waukesha,									
Root River	425682	2900	RIVER	Milwaukee	26 44	18	04/01/1998	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
				Racine,						., .gg			
Root River	896175	2900	RIVER	Milwaukee	6 20	15	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
				Milwaukee,									
Root River	4714703	2900	RIVER	Racine	20 26	5	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Medium	TMDL Needed (5A)
Root River	4714703	2000	RIVER	Milwaukee, Racine	20 26	5	04/01/1998	PS/NPS	Total Phosphorus	Low DO, Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
TOOL IVIVE	4/ 14/03	2300	MVER	Racine,	20 20	υ	04/01/1998	r J/NF3	rotai r nospriorus	Low DO, Degraded Biological Community	JUJU LISIEU	iviculuiii	TWIDE NEEded (SA)
Root River Canal	10535	4300	RIVER	Milwaukee	0 6	6	04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Medium	TMDL Needed (5A)
				Racine,		-							, ,
Root River Canal	10535	4300	RIVER	Milwaukee	0 6	6	04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
Round Lake	9910	68600		Calumet		11	04/01/2016	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A)
Round Lake T32 R9w S14		2169200		Chippewa		216	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Round Lake T37n R18w S27 Round Lake T37n R18w S27		2640100 2640100		Burnett Burnett		204 204	04/01/1998 04/01/2012	Atm. Dep. NPS	Mercury Total Phosphorus	Contaminated Fish Tissue Excess Algal Growth	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Round Lake 13/n R18w S2/ Round Lake T3/n R18w S2/		2640100		Burnett		204	04/01/2012	NPS NPS	Unknown Pollutant	Excess Algal Growth Eutrophication	Addition	Low	TMDL Needed (5A) TMDL Needed (5A)
Rouse Creek		2925000		Iron	0 3	3	04/01/2014	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Roxbury Creek		1259900		Dane	0 4	4	04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Roy Creek	11030	148200	RIVER	Green Lake	0 7	7	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Roy Creek	11030	148200	RIVER	Green Lake	0 7	7	04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Dubines Dives	11555	050500	DIVED.	Dodge,	0 00		04/04/0045	NIDO	Total Discost	Water Overlite Hand Developer	202411-1-1	Lem	TMDL No. 1: 1/54)
Rubicon River Running Valley Creek	11555	856500 2082700		Washington Dunn	0 29	29 5	04/01/2012 04/01/2012	NPS NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Isaming valley Greek	10745	2002100	O INVER	Dulli	0 3	J	04/01/2012	INFO	rotal r nospriorus	Water Quality USE RESTRICTIONS	JUJU LISIEU	LUW	TWIDE Needed (SA)

Service 1. 18. 18. 18. 18. 18. 18. 18. 18. 18.		WATERS						Size (Miles	:					TMDL Creation	
The content of the	Local Waterbody Name	ID (AU)	176450	Water Type	County	Mile	Mile	or Acres)	Date Listed		Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Second															
See Men Men Men Men Men Men Men Men Men M	Camer Crook Florage	100.0	LLULLU	o iiiii Gortbinziti	1 1100			2.0	0 110 11 1000	7 кин. Вор.	Moreary	Containing of For Floor	Occu Liciou	2011	moreary rum zep. (62)
Mary					Jackson, Monroe,										
See Lange Control of the Control of	Sand Creek					0	10								
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The section of the control of the co															
Section Sect	Sand Lake (Sugar Camp Chain)														
Section Sect	Sand Lake (Sugar Camp Chain)	128276	1597000	0 LAKE	Oneida			540	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	Deletion	Not Applicable	Removed: Recovery Unknown
Second 15	Sand Lake T40n R15w S25														
Control Cont															
Marche March Mar															
State Control Contro	Schoenick Creek														
Separate 1,66 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,56 1,5	School Section Lake	10346		LAKE	Waupaca			39		NPS			TMDL Development		Natural Conditions (5C)
Seed From 1960 1960 1960 1960 1960 1960 1960 1960	School Section Lake							117							
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Semicrocke					Jefferson,						·	·			
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Separat Crosk	Sevenmile Creek	16089	212870	0 RIVER	Chippewa		7		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
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Staward Lake	Shannon Lake	128610			Vilas			35	04/01/1998			Contaminated Fish Tissue	303d Listed	Low	
Selection 1965 252500 LAKE Shaware 5.063 0401/2016 PShPPS Total Phesphorus Excess Agis Growth Adulton High TMDC Recked [Ah] PShPPS Total Phesphorus Excess Agis Growth Adulton High TMDC Recked [Ah] PShPPS Total Phesphorus Excess Agis Growth Adulton High TMDC Recked [Ah] PShPPS Total Phesphorus Excess Agis Growth Adulton High TMDC Recked [Ah] PShPPS Total Phesphorus Excess Agis Growth Adulton TMDC Recked [Ah] PShPPS TMDC Recked	Shattuck Lake, North														
Selectograph Near 1154 5070 RVER Selectograph 0 14 14 04017014 PSPR Total Phosphorous Imperiment (Induced Fish Tissue, Contaminated Fish Tissue, Conta	Shawano Lake														
Shehrough River						_									
Semant Case	Sneboygan River	11354	50700	RIVER	Sneboygan	0	14	14	04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	3030 Listed	Medium	Phosphorus Listed (5P)
Semant Case	Sheboygan River	11354	50700	RIVER	Sheboygan	0	14	14	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue, Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
Shemotod Lake 1420 775800 MPOLVMENTY Coltamanied Fish Tissue 300 Listed Low Mercury Am. Dep. (8)	, ,														()
Share Care	Sherman Creek				Chippewa	0	14	14			Unknown Pollutant			Low	
Shore Flore Shore	Sherwood Lake	14240	1736200	0 IMPOUNDMENT				117	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
September Sept	China Diver	0000	240000	DIVED.			20	20	04/04/2042	NDC	Total Phasehaus	Water Ovelity Has Bestriations	TMDI Davidanasa	LULE	TMDI Nandad (5A)
Shoop Park Beach, Lake Michigan 399219 20 BEACH Radine 0 0.4011/2018 NPS E. col Recreational Restrictions - Pathogenes 303d Listed Low TMDL Needed (GA)	Snioc River	9800	316800		Snawano	0	28	28	04/01/2012	NPS	Total Phosphorus	water Quality Use Restrictions	I MDL Development	High	IMDL Needed (5A)
Silver Forchack	Shoon Park Beach, Lake Michigan	3992139	20		Racine			0	04/01/2014	NPS	F coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Silver Creek 972 67300 RIVER Manirovoc 16 18 Add 1/2014 NPS Total Phrosphorus Impairment Unknown 303 Listed Medium Phrosphorus Listed (SP)	Silver Birch Lake														
Silver Creek 1304 148900 RIVER Fond du La 1 1 1 1 1 1 1 1 1	Silver Creek	9872	67300	RIVER		0	18		04/01/2014	NPS			303d Listed		Phosphorus Listed (5P)
Silver Creek 13004 1200000 RIVER Sauk 0 4 4 0 40/11/1998 NPS Sediment/Total Suspended Solids Low DO, Degraded Habitat TMDL Development High TMDL Needed (SA)															
Silver Creek 13004 1280000 RIVER Sauk 0 4 4 4 4 4 2 4 4 4 4															
Silver Creek 356902 148900 RVER Fond du Lar 12 14 2 040/11/398 PS/NPS Sediment/Total Suspended Solids Elevated Water Temperature, Degraded Habitat TMDL Development High TMDL Needed (SA)															
Silver Creek Mouth 896230 148600 LAKE Green Lake 156 0401/12012 Unknown E. coli Recreational Restrictions - Pathogenes 3034 Listed Low TMDL Approved by EPA in 2004 (44) Silver Lake 15814 1881100 LAKE Barron 337 0401/12012 Am. Dep. Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue 3034 Listed Low Mercury Aim. Dep. (58) Mercury Contaminated Fish Tissue Contaminated Fish Tissu															
Silver Lake 1902 67400 LAKE Manitowor 73 04/01/1908 PSAPS Total Phosphorus Fish Kills, Excess Algal Growth TMDL Approved Mercury Contaminated Fish Tissue 303d Listed Low Mercury Mercury Contaminated Fish Tissue 303d Listed Low Mercury Mercury Contaminated Fish Tissue 303d Listed Low Mercury Mercury Mercury Contaminated Fish Tissue 303d Listed Low Mercury Mer							• • • • • • • • • • • • • • • • • • • •								
Silver Lake 1564 18811/0	Silver Lake														
Silver School Branch 13637 890400 RIVER Green 0 6 6 04/01/1998 NPS Sedimen/Total Suspended Solids Degraded Habitat TMDL Approved Not Applicable TMDL Applicable TMDL Approved Not Applicable TMDL Not Applicable	Silver Lake														
Silver Spring Creek 13777 917700 RIVER Lafayette 0 6 6 04/01/2012 PS/NPS Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Neproved by EPA in 2005 (AP Silver Spring Creek 1377 917700 RIVER Lafayette 0 6 6 04/01/2012 PS/NPS Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (SA)	Silver Lake					_	_								
Silver Spring Creek 19779 917700 RIVER Lafayette 0 6 6 0 401/2012 PS/NPS Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (SA)							_								
GREAT LAKES Column Simulation Simula															
Simmons Island Beach, Lake Michigan 1452862 20 BEACH Kenosha 0 04/01/2006 Other E. coli Recreational Restrictions - Pathogens 303d Listed Low TMDL Needed (5A) Simisaippi Lake 11467 859900 IMPOUNDMENT Dodge 1,648 04/01/2006 PS/NPS Sediment/Total Suspended Solids Degraded Habitat TMDL Approved by EPA in 2011 (4A) Sinisaippi Lake 11467 859900 IMPOUNDMENT Dodge 1,648 04/01/2006 PS/NPS Total Phosphorus Eutrophication, Excess Algal Growth TMDL Approved by EPA in 2011 (4A) TMDL Approved by EPA in 2011 (4A) TMDL Needed (5A) TMDL	Sirver Opining Orects	13111	317700		Lalayette	J	U		0-7/01/2012	. 10/14/10	rotai i nospiiorus	Degraded Diological Community	Joga Listeu	LOW	TWDE NOCUCU (OA)
Sinsispip Lake	Simmons Island Beach, Lake Michigan	1452862	20		Kenosha			0	04/01/2006	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Sinissipic Lake	Sinissippi Lake				D. L.			4 0 40	0.4/0.4/0.000		0 - 1 1 7 1 0 1 - 1 0 - 1 1 -	December 11 111 at 20 at			
Siskiwit Lake 89939 2882300 LAKE Bayfield 285 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Sissabagama Lake 15374 2393500 LAKE Sawyer 719 04/01/2016 PS/NPS Total Phosphorus Excess Algal Growth Deletion Not Application	Sinissippi Lake														
Sissabagama Lake	Sinsinawa River					0	10								
Sissabagama Lake 15374 2393500 LAKE Sawyer 719 04/01/2016 PS/NPS Unknown Pollutant Excess Algal Growth Addition Low TMDL Needed (5A)															
Six Alke															
Sikmle Creek 11691 805500 RIVER Dane 0 9 9 0 4/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low Phosphorus Low Phosphorus Contaminated Ps/NPS Total Phosphorus Proposed for List Low Phosphorus Phosphorus Proposed for List Low Phosphorus Phosphorus Phosphorus Proposed for List Low Phosphorus P	Six Lake														
Skinner Creek 13678 894500 RIVER Green 0 14 14 04/01/2012 NPS Total Phosphorus Impairment Unknown 303d Listed Low Phosphorus Listed (5P)	Six Mile Creek					0	9				Total Phosphorus				
Slaughterhouse Creek 12806 1568100 RIVER Oneida 0 1 1 04/01/1998 Contam. Sed. Unspecified Metals Chronic Aquatic Toxicity 303d Listed Low Phosphorus (5A)	Skinner Creek	13678	894500	RIVER		0	14		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed		Phosphorus Listed (5P)
Snipe Lake 128615 1018500 LAKE Vilas 239 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Solberg Lake 14731 2242500 LAKE Price 859 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Solberg Lake 14731 2242500 LAKE Price 859 04/01/198 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Phosphorus Listed (5P) Some Creek 128861 1547700 LAKE Lincoln 424 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Soper Creek 14129 1693400 RIVER Monroe 0 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) South 43rd Street Ditch 9981 15900 RIVER	Slaughterhouse Creek	12806	1568100	0 RIVER	Oneida			1	04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Solberg Lake 14731 2242500 LAKE Price 859 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Solberg Lake 14731 2242500 LAKE Price 859 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Addition Low Mercury Atm. Dep. (5B) Some Lake 128861 1547700 LAKE Lincoln 424 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (5B) Soper Creek 14129 1693400 RIVER Monroe 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Branch Creek 3399370 30000073	Slim Lake														
Solberg Lake 14731 2242500 LAKE Price 859 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Addition Low Phosphorus Listed (5P) Somo Lake 128861 1547700 LAKE Lincoln 424 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. Mercury Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 1 04/01/2010 Other Fecal Coliform Recreational Restrictions - Pathogens 303d Listed Low TMDL Needed (5A) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Branch Creek 3899370 3000073 RIVER Milwaukee 0 2 2 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Medium TMDL Needed (5A)															
Some Lake 128861 154770 LAKE Lincoln 424 04/01/1998 Atm. Dep. Mercury Contaminated Fish Tissue 303d Listed Low Mercury Atm. Dep. (58) Soper Creek 14129 1693400 RIVER Monroe 0 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2011 Other Fecal Coliform Recreational Restrictions - Pathogens 303d Listed Low TMDL Needed (5A) South Branch Creek 39891 15900 RIVER Vernon 0 1 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Branch Creek 3899370 3000073 RIVER Milwaukee 0 2 2 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Medium TMDL Needed															
Soper Creek 14129 1693400 RIVER Monroe 0 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2010 Other Fecal Coliform Recreational Restrictions - Pathogens 303d Listed Low TMDL Needed (5A) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Br Creek (S Br Baraboo) 13029 1289800 RIVER Vernon 0 1 1 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) South Br Creek (S Br Baraboo) 13029 1289800 RIVER Vernon 0 1 1 04/01/2014 NPS Sediment/Total Suspended Solids Degraded															
South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2010 Other Fecal Coliform Recreational Restrictions - Pathogens 303d Listed Low TMDL Needed (5A) South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 1 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Branch Creek 3899370 3000073 RIVER Milwaukee 0 1 0.4/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Medium TMDL Needed (5A)						Ω	8								
South 43rd Street Ditch 9981 15900 RIVER Milwaukee 0 1 0.4/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Low TMDL Needed (5A) South Branch Creek 3899370 3000073 RIVER Vernon 0 1 0.4/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Developed High Phosphorus Listed 46P) South Branch Creek 3899370 3000073 RIVER Milwaukee 0 2 2 0.4/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Medium TMDL Needed (5A)	South 43rd Street Ditch														
South Br Creek (S Br Baraboo) 13029 1289800 RIVER Vernon 0 1 1 04/01/2014 NPS Total Phosphorus Impairment Unknown TMDL Development High Phosphorus Listed (5P) South Branch Creek 3899370 3000073 RIVER Milwaukee 0 2 2 04/01/1998 NPS Sediment/Total Suspended Solids Degraded Habitat 303d Listed Medium TMDL Needed (5A)	South 43rd Street Ditch											Degraded Biological Community			
	South Br Creek (S Br Baraboo)	13029	1289800	0 RIVER	Vernon	0	1		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
South Branch Creek 3899370 3000073 RIVER Milwaukee 0 2 2 04/01/2012 Unknown Total Phosphorus Degraded Biological Community 303d Listed Medium TMDL Needed (5A)	South Branch Creek							2							
	South Branch Creek	3899370	3000073	3 RIVER	Milwaukee	0	2	2	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)

	WATERS				Start End	d Size (Miles						TMDL Creation	
Local Waterbody Name	ID (AU)		Water Type	County	Mile Mile		Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
South Branch O'Neil Creek	18626			Clark, Wood	0 18		04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
South Fish Creek		2889900		Bayfield	0 25		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
South Fork Eau Claire River		2137000		Clark, Taylor	39 49		04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List Proposed for List	Medium Medium	TMDL Needed (5A) TMDL Needed (5A)
South Fork Eau Claire River South Fork Lemonweir River		2137000		Clark Monroe	20 39		04/01/2016 04/01/2014	PS/NPS NPS	Total Phosphorus	Water Quality Use Restrictions Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
South Fork Lemonweir River		1338500		Monroe	6 12		04/01/2014	PS/NPS	Total Phosphorus Total Phosphorus	Low DO, Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
South Fork Lemonweir River		1338500		Monroe	6 12		04/01/1998	PS/NPS	BOD	Low DO, Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
		1754100		Clark	0 10		04/01/1998	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
South Fork Popple (Poplar) River South Fork Popple River		1754100		Clark	10 20		04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
South Fork Popple River	14201	1734100	GREAT LAKES	Clark	10 20	10	04/01/2012	INFO	Total Phosphorus	Water Quality Use Restrictions	3030 Listeu	iviedium	TWDL Needed (SA)
South Shore Beach, Lake Michigan	481411	20	BEACH	Milwaukee Waukesha,		1	04/01/2004	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Southbranch Of Underwood Creek	10028	16800	RIVER GREAT LAKES	Milwaukee	0 1	1	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Southport Park Beach, Lake Michigan	1491250	20	BEACH	Kenosha		0	04/01/2008	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Spider Lake		2918600		Ashland		86	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Spider Lake (Whispering)		2306300		Iron		352	04/01/2012	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Spillerberg Lake		2936200		Ashland		75	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Spirit Lake		1513000		Price, Taylor		137	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Spirit Lake	425781			Price, Taylor		137	04/01/2012	Unknown	Total Phosphorus	Impairment Unknown, Excess Algal Growth	TMDL Development	High	Natural Conditions (5C)
Spirit River Flowage	128009			Lincoln		1.564	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Spirit River Flowage		1506800				1,564	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Spring (Dorn) Creek	11694			Dane	1 6	5	04/01/2002	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature			TMDL Approved by EPA in 2011 (4A)
Spring (Dorn) Creek	11694			Dane	1 6		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Low	Phosphorus Listed (5P)
Spring (Dorn) Creek	11694		RIVER	Dane	1 6	5	04/01/2002	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Spring (Born) Creek Spring Brook	11005			Winnebago	0 2		04/01/2002	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development		TMDL Needed (5A)
<u> </u>	12431			Langlade, Marathon			04/01/2014	NPS	·	•	TMDL Development	- J	, ,
Spring Brook Creek Spring Brook Creek	12431			Langlade	0 10		04/01/2014	NPS	Total Phosphorus Total Phosphorus	Degraded Biological Community Low DO	TMDL Development	High High	TMDL Needed (5A) TMDL Needed (5A)
									Unspecified Metals		303d Listed		TMDL Needed (5A) TMDL Needed (5A)
Spring Brook Creek Spring Brook Creek	12432 18345			Langlade Langlade	10 13 13 15		04/01/1998 04/01/2014	Contam. Sed. NPS	Unspecified Metals Unknown Pollutant	Chronic Aquatic Toxicity Degraded Biological Community	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
Spring Brook Creek	18345 425450	1440800 752500		Langlade	13 15 0 2		04/01/1998	Contam. Sed. NPS	Unspecified Metals Sediment/Total Suspended Solids	Chronic Aquatic Toxicity	303d Listed	Low Not Applicable	TMDL Needed (5A)
Spring Brook, North Branch				Walworth						Degraded Habitat	TMDL Approved		
Spring Creek	10492		RIVER	Walworth	0 5	5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat, Turbidity	TMDL Approved	Not Applicable	
Spring Creek		877000		Green	0 10		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Spring Creek	11795			Jefferson	0 5		04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	TMDL Approved	Not Applicable	
Spring Creek		819100		Jefferson	0 5		04/01/1998	NPS	Total Phosphorus	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Spring Creek	10482	773400		Waukesha	0 7	7	04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Low	TMDL Needed (5A)
Spring Creek (S29)		2085900		Barron	0 5		04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Spring Creek (Solon Spring Creek)		2748100		Douglas	0 3	3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Spring Harbor Beach		805400		Dane		0	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Spring Lake	10311	267200				37	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Spring Lake Lower	902136		LAKE	Jefferson		105	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Squaw Creek	12363	1420700		Marathon, Wood	0 9	9	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Squaw Lake	16606	2499000		Saint Croix		110	04/01/1998	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Squaw Lake	18693			Oneida, Vilas		785	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
St Croix Creek	1/123	2749100) RIVER	Douglas Pierce, Saint	0 1	1	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
St Croix River	16373	2601400	RIVER	Croix	0 17	17	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St Croix River		2601400		Polk, Saint Croix	17 44		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St Croix River		2601400		Polk, Saint Croix	44 54		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St. Croix Flowage			IMPOUNDMENT		44 34	1,913	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
St. Cloix i lowage	17004	2740300	INIT CONDINIENT	Pierce, Saint		1,313	04/01/1990	Atili. Dep.	Welculy	Contaminated Fish Fissue	3030 Listed	LOW	Welculy Atm. Dep. (3B)
St. Croix Lake	16398	2601500) LAKE	Croix		4,668	04/01/2008	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
St. Louis River AOC, Howards Bay		2843800		Douglas		141	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, Howards Bay		2843800		Douglas		141	04/01/2010	Contam. Sed.	Lead	Contaminated Fish Hisace	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, Howards Bay		2843800		Douglas		141	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River			BAY/HARBOR	Douglas		5,902	04/01/2006	Other	PAHs	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
									2,3,7,8-Tetrachlorodibenzo-p-dioxin	· · · · · · · · · · · · · · · · · · ·		2011	, ,
St. Louis River AOC, St. Louis River				Douglas		5,902	04/01/2010	Other	(only)	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River	17465			Douglas		5,902	04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River		2843800		Douglas		5,902	04/01/2010	Other	DDT	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River	17465			Douglas		5,902	04/01/1998	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River	17465			Douglas		5,902	04/01/2010	Other	Dieldrin	Contaminated Sediment	303d Listed	Low	TMDL Needed (5A)
St. Louis River AOC, St. Louis River	17465	2843800		Douglas		5,902	04/01/2006	Other	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Starkweather Creek	11668	805100		Dane	0 4	4	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Starkweather Creek	11668	805100	RIVER	Dane	0 4		04/01/1998	NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
Starkweather Creek	11668	805100		Dane	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Starkweather Creek	11668	805100		Dane	0 4	4	04/01/1998	Contam. Sed.	Unspecified Metals	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Steel Brook		817800		Jefferson	2 3	1	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat			TMDL Approved by EPA in 2011 (4A)
Steel Brook		817800		Jefferson	2 3	1	04/01/1998	NPS	Total Phosphorus	Low DO			TMDL Approved by EPA in 2011 (4A)
Stevens Creek	11632	796300	RIVER	Rock	0 8		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Stillwell Creek	14037	1662600) RIVER	Monroe	0 2	2	04/01/2002	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2006 (4A)
Over Devel		00=00	DI: #5	Dane, Dodge,			04/04/222	NES	0.1	B	TMDL	No. A	TMDI A II. EDA
Stony Brook		837600		Jefferson	0 15		04/01/2006	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Stony Creek	10219		RIVER	Door, Kewaunee	0 8	8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Stream C, trib to Flambeau River		7215137		Rusk	2 2		04/01/2012	Unknown	Copper	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Stream C, trib to Flambeau River	3924686	7215137	7 RIVER	Rusk Ozaukee,	2 2	1	04/01/2012	Unknown	Zinc	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Sucker Creek	11343	50100	RIVER	Sheboygan	0 10	10	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Medium	TMDL Needed (5A)
Sugar Camp Lake		1020400			0 10	545	04/01/2012					Low	Mercury Atm. Dep. (5B)
				Oneida				Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed		
Sugar Camp Lake		1020400		Oneida		545	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Addition	Low	Natural Conditions (5C)
Sugar Creek	10247			Door	0 9		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Sugar Creek	10488			Walworth	0 27		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Sugar River		875300		Dane, Green	11 56		04/01/2014	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Sugar River	1855695	875300		Rock	0 11	11	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Sugar River East Channel		878400		Green	0 3		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Summit Lake		1445600		Langlade		282	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Swan Creek	13608			Rock	0 5		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Swan Lake		179800		Columbia		406	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)

	WATERS				Start	End Size (Mil						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile			Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Swinns Valley Creek	14351	1776000		Buffalo		8 8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Sylvan Lake (Pipe)	15843	1884800) LAKE	Barron		67	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Sylvan Lake (Pipe)	15843	1884800) LAKE	Barron		67	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Addition	Low	TMDL Needed (5A)
T22n, R22e, S23 Sesw (Denmark Creek)	10131	89100	RIVER	Brown	0	5 5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Tahkodah Lake	890990	2473500) LAKE	Bayfield		148	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Tainter Lake	18791	2068000	IMPOUNDMENT	Dunn		1,387	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication, Excess Algal Growth, Elevated pH	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2012 (4A)
Tamarack Creek	14332	1770300) RIVER	Trempealeau	0	6 6	04/01/2012	Unknown	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Tappen Coulee Creek	14409	1800300		Trempealeau		5 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2003 (4A)
Taylor Creek	13605	876300	RIVER	Rock	0	6 6	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Teal Lake	15519	2417000) LAKE	Sawyer		1,049	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Tenmile Creek	15797	2089400	RIVER	Rusk, Barron	0	21 21	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Tenmile Lake	15798	2089500		Barron		376	04/01/2006	NPS	Total Phosphorus	Eutrophication	303d Listed	Low	TMDL Needed (5A)
Tenny Park Beach, Lake Mendota	1527026	805400	INLAND BEACH	Dane		0	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Third Lake	128317			Oneida		103	04/01/2014	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Thompson Lake	128748	1569900		Oneida		382	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Thompson Lake	128748			Oneida		382	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Addition	Low	TMDL Needed (5A)
Thompson Valley Creek	16106	2131100) RIVER	Eau Claire	3	10 7	04/01/2014	NPS	Unknown Pollutant	Elevated Water Temperature, Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Thompson Valley Creek	16106	2131100) RIVER	Eau Claire	3	10 7	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Thompson Valley Creek	16107	2131100	RIVER	Eau Claire	0	3 3	04/01/2014	NPS	Unknown Pollutant	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Thompson Valley Creek	16107	2131100) RIVER	Eau Claire	0	3 3	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Thunder Lake Inlet	11916	533700	RIVER	Marinette	0	1 1	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Tichigan Lake	10476	763600	LAKE	Racine		1,132	04/01/2014	Unknown	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Tichigan Lake	10476	763600	LAKE	Racine		1,132		NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
3,00				Jackson,		, -							,
Timber Creek	14401	1796700	RIVER	Trempealeau	0	4 4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Token Cr	310734	806600	RIVER	Dane		7 1	04/01/1998	NPS	Sediment/Total Suspended Solids	Sediment/Total Suspended Solids	TMDL Approved	Not Applicable	
Token Cr	310734		RIVER	Dane		7 1	04/01/1998	Habitat/Physical	Fish Barriers (Fish Passage)	Fish Barriers (Fish Passage)	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2003 (4A)
Token Creek	11676	806600	RIVER	Dane		6 3	04/01/1998	NPS	Sediment/Total Suspended Solids	Sediment/Total Suspended Solids	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2003 (4A)
Token Creek	5546058		RIVER	Dane	7	10 3	04/01/1998	NPS	Sediment/Total Suspended Solids	Sediment/Total Suspended Solids	TMDL Approved	Not Applicable	
Token Creek	5546058		RIVER	Dane		10 3	04/01/1998	Habitat/Physical	Fish Barriers (Fish Passage)	Fish Barriers (Fish Passage)	TMDL Approved		
Token Creek	5546058		RIVER	Dane		10 3	04/01/1998	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	Medium	Phosphorus Listed (5P)
Token Creek	5546125		RIVER	Dane		11 2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P) Phosphorus Listed (5P)
Tomah Lake	13599	1342100		Monroe	10	245	04/01/1998	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth, Elevated pH	EAP Project	Not Applicable	TMDL Needed (5A)
Tomorrow/Waupaca River	315909		RIVER		33	39 6	04/01/1998	PS/NPS	Unknown Pollutant				TMDL Needed (5A)
		257400		Portage						Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Tomorrow/Waupaca River	315930	257400	RIVER	Portage		46 7	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	
Tomorrow/Waupaca River	1493981		RIVER	Portage		65 14	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Town Creek	14181	1708100		Jackson	0	4 4	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Town Line Flowage	18607	1717300		Jackson		143	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Tree Lake	10324	289400	LAKE	Portage		74	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Trempealeau River	14412	1769900) RIVER	Trempealeau		31 31	04/01/2002	Other	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Trempealeau River	14412	1769900		Trempealeau	0		04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Medium	TMDL Needed (5A)
Trib To Brewery Creek	353179		RIVER	lowa		2 2	04/01/1998	PS/NPS	Zinc	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Trib To Brewery Creek	353179		RIVER	lowa	0	2 2	04/01/1998	PS/NPS	Lead	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Trib To Brewery Creek	353179		RIVER	lowa	0	2 2	04/01/1998	PS/NPS	Mercury	Contaminated Fish Tissue, Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Trib To Brewery Creek	353179		RIVER	lowa		2 2	04/01/1998	PS/NPS	Cadmium	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Trib To Livingston Br	353406		RIVER	lowa	0	4 4	04/01/1998	NPS	Ammonia (Unionized) - Toxin	Acute Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Trib To Livingston Br	353406	932800	RIVER	lowa	0	4 4	04/01/1998	NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
										Degraded Biological Community, Acute Aquatic			
Trib To Livingston Br	353406	932800	RIVER	lowa	0	4 4	04/01/1998	NPS	Total Phosphorus	Toxicity	303d Listed	Medium	TMDL Needed (5A)
Trib To The East River	890826	5018099	RIVER	Brown	1	1 1	04/01/1998	Contam. Sed.	PCBs	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Tributary (E.BR) to Denuveau Creek	1517827	139100	RIVER	Fond du Lac	0	9 9	04/01/2002	PS/NPS	Total Phosphorus	Elevated Water Temperature, Degraded Habitat	TMDL Developmen	t High	TMDL Needed (5A)
TRIBUTARY TO DEAD CREEK TO THE ROCK									·	,			· ,
RIVER	1517006	860400	RIVER	Dodge	0	1 1	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Tributary to S Br Yellow River		1372800		Clark		1 1	04/01/2014	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Developmen		TMDL Needed (5A)
Tripp Lake			LAKE	Walworth		113	04/01/2012	PS/NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Trout Brook	17721	2913900		Ashland	0	3 3	04/01/2016	PS/NPS	Fecal Coliform	Recreational Restrictions - Pathogens	Proposed for List	Low	TMDL Needed (5A)
Trout Run	361621	1695500		Jackson		8 5	04/01/1998	NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
Trout Run	361621	1695500		Jackson		8 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Elevated Water Temperature	303d Listed	Low	TMDL Needed (5A)
Trout Run Creek	14344	1775000		Trempealeau		4 4	04/01/1998	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Trout Run Creek	14344	1775000		Trempealeau		4 4	04/01/2014	NPS	Unknown Pollutant	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
				Trempealeau									
Trout Run Creek Trude Lake	14345 14946	1775000		Irempealeau	4	6 2 786	04/01/2014 04/01/2002	NPS Atm. Dep.	Unknown Pollutant Mercury	Degraded Habitat Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A) Mercury Atm. Dep. (5B)
Trude Lake	14940	2295200	LANE			190	04/01/2002	жин. Бер.	iviercury	Contaminated FISH TISSUE	JUJU LISIEU	LOW	iviercury Auti. Dep. (5B)
Trump Couloo Crook	14444	1800600	DIVED	Jackson,	0		04/04/4000	NDC	Sadiment/Total Sussessed of College	Dograde d Habitat	TMDI A	Not Applicable	TMDI Approved by EDA in 2004 (14)
Trump Coulee Creek	14414	1000000) RIVER	Trempealeau	0	8 8	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	NOT Applicable	TMDL Approved by EPA in 2004 (4A)
Trump Coulog Crook	14414	1000000	RIVER	Jackson,	0	8 8	04/04/4000	NPS	Total Phone have	Lou: DO	20241:	1	TMDI Nas-1-1 (5A)
Trump Coulee Creek		1800600		Trempealeau	0		04/01/1998 04/01/2010	Atm. Dep.	Total Phosphorus	Low DO Contaminated Fish Tissue	303d Listed 303d Listed	Low	TMDL Needed (5A)
Tug Lake				Lincoln	25	151			Mercury Total Phoenbarra				Mercury Atm. Dep. (5B)
Turtle Creek	338091	790300	RIVER	Walworth	25		04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Turtle Lake, North		2310400		Vilas		369	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Turtle Lake, South		2310200		Vilas		454	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Turtle-Flambeau Flowage			IMPOUNDMENT	Iron		12,94		Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Turtle-Flambeau Flowage			IMPOUNDMENT	Iron		12,94		NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Turton Creek (American Valley Creek)	14354	1777100		Trempealeau		4 1	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Twin Creek	18426			Sauk	0		04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Developmen		Phosphorus Listed (5P)
Twin Grove Branch	13671	891300		Green	0		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Twin Lakes		1623800		Vilas		2,788		PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5C)
Twin Valley Lake	13431	1245800		Iowa		152	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Two Axe Lake	15398	1887200		Sawyer		57	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Two Island Lake	14529	1887500		Chippewa		29	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Two Rivers Harbor	482709	47	BAY/HARBOR	Manitowoc		11	04/01/1998	Other	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Ulao Creek	10012	21200	RIVER	Ozaukee	0		04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Ulao Creek	10012	21200	RIVER	Ozaukee		9 9	04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Un Creek (T22n-R16e-S22)	9793	316100	RIVER	Outagamie	0		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Un Tr To Shullsburg Br	13845	937800	RIVER	Lafayette		4 4	04/01/1998	NPS	Zinc	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Un Tr To Shullsburg Br	13845	937800		Lafayette		4 4	04/01/1998	NPS	Lead	Chronic Aquatic Toxicity Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Un Tr To Shullsburg Br	13845		RIVER						Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Un Trib To Sinsinawa River	13845	937800	RIVER	Lafayette	0	4 4	04/01/1998	NPS DS/NDS	Unknown Pollutant		Proposed for List		TMDL Needed (5A) TMDL Needed (5A)
		941100		Grant Fond du Loo		6 6	04/01/2016	PS/NPS		Degraded Biological Community		Low	
Un. Creek (T14n R18e Nw Ne 27)	11261	44200	RIVER	Fond du Lac	0	6 6	04/01/2016	NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Un. Creek (Trinity Creek)(T09n R21e Se Ne 35)	10010	20400	DIVED.	Ozaukee,	0	2 2	04/04/0044	NDC	Total Phone have	Impoirment University	20241:	Modium	Phoophorus Lists d (CD)
Un. Greek (Trinity Greek)(109n R21e Se Ne 35)	10010	20400	RIVER	Milwaukee	0	3 3	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)

Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County		End Size (Mil		Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
Un. Creek (Trinity Creek)(T09n R21e Se Ne 35)	10010	20400	RIVER	Ozaukee, Milwaukee	0	3 3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
Un. Trib. To Onion River via Waldo	10010	20400	MVER	Willwadkee		0 0	04/01/2010		CHAIGWITT CHALAITE	Elevated Water Temperature	Addition	LOW	
Impoundment	1489156		RIVER	Sheboygan	0		04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
Underwood Creek Underwood Creek	10026 10026	16700	RIVER	Milwaukee Milwaukee		3 3	04/01/2012 04/01/2010	PS/NPS Other	Total Phosphorus Fecal Coliform	Degraded Biological Community	Deletion 303d Listed	Not Applicable Low	Removed: Recovery Unknown
Underwood Creek	10026	16700	RIVER	Milwaukee	U	3 3	04/01/2010	Other	Fecal Collorni	Recreational Restrictions - Pathogens Degraded Biological Community, Elevated Water	3030 Listed	LOW	TMDL Needed (5A)
Underwood Creek	10026	16700	RIVER	Milwaukee	0	3 3	04/01/2016	PS/NPS	Unknown Pollutant	Temperature	Addition	Low	TMDL Needed (5A)
				Waukesha,						<u> </u>			, ,
Underwood Creek	10027	16700	RIVER	Milwaukee	3	9 6	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Underwood Creek	10027	16700	RIVER	Waukesha, Milwaukee	3	9 6	04/01/2012	Point Source	Unknown Pollutant	Degraded Biological Community	303d Listed	Low	TMDL Needed (5A)
Unnamed	1524901	325000	RIVER	Shawano		3 3	04/01/2012	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Unnamed (Trib To Crawford Creek)	891570	0	RIVER	Douglas		0 0	04/01/1998	Contam. Sed.	PAHs	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Unnamed (Trib To Crawford Creek)	891570	0	RIVER	Douglas			04/01/1998	Contam. Sed.	Creosote	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Unnamed Cr 17-6 (T30n, R3e, S17, Nwnw, 37)		1460500	RIVER	Marathon, Taylor		4 4	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	Natural Conditions (5C)
Unnamed Creek Unnamed Creek	482551 1525949		RIVER	Calumet Douglas		3 3	04/01/1998 04/01/2014	NPS NPS	Sediment/Total Suspended Solids Unknown Pollutant	Degraded Habitat Degraded Biological Community	303d Listed 303d Listed	Medium Low	TMDL Needed (5A) TMDL Needed (5A)
Unnamed Creek (T18n, R21e, S13) Trib To St.	1020040	5000541	TUVEIX	Douglas			04/01/2014	141 0	CHAIOWITT CHALAIR	Degraded biological Community	JOGG EISICG	LOW	TWDE Needed (5/1)
Nazianz	9889	73700	RIVER	Manitowoc	0	4 4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Unnamed Creek (T23n,R3e,S10,Sesw,72)		1371200	RIVER	Wood		3 3	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Unnamed Creek (T23n,R3e,S10,Sesw,72)		1371200	RIVER	Wood		5 2	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
Unnamed Creek 2065700 - at Third St	3990988	2065700	RIVER	Dunn	0	3 3	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity, Acute Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Unnamed Creek 2-13 (T29n, R4e, S2, Nwse, 37)	18359	1458300	RIVER	Marathon	0	3 3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Unnamed E Trib. to Schoenick Cr	5513459		RIVER	Shawano		2 2	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Unnamed Stream	5506375		RIVER	Oconto		1 1	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	Natural Conditions (5C)
Unnamed Stream	3987535		RIVER	Wood		2 2	04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Unnamed Stream Unnamed Stream		5015142 3000212	RIVER RIVER	Clark Kewaunee	0		04/01/2014 04/01/2016	NPS PS/NPS	Total Phosphorus Total Phosphorus	Degraded Biological Community	TMDL Development	High Medium	TMDL Needed (5A) TMDL Needed (5A)
Unnamed Stream		3000212	RIVER	Kewaunee		0 0	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community Elevated Water Temperature	Proposed for List Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Unnamed Stream	5506181		RIVER	Oconto		3 3	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
				Waukesha,									,
Unnamed Stream (R21e S18	10041	18350	RIVER	Milwaukee		2 2	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Unnamed Stream (T19n, R22e, S3)	18037	71600	RIVER	Manitowoc		3 3	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Unnamed Trib to Burgy Cr Unnamed Trib to Marengo R	4000228	881000 2919600	RIVER RIVER	Green Bayfield		4 4 6 6	04/01/2014 04/01/2016	NPS PS/NPS	Sediment/Total Suspended Solids Fecal Coliform	Degraded Habitat Recreational Restrictions - Pathogens	303d Listed Proposed for List	Medium Low	TMDL Needed (5A) TMDL Needed (5A)
Unnamed Trib To Mason Lake	481686		RIVER	Adams		6 3	04/01/2018	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Unnamed Trib to S Fish Creek	5698877		RIVER	Bavfield		7 7	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Unnamed Trib to Silver Creek	5476567	147700	RIVER	Fond du Lac	0	8 8	04/01/2016	NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Unnamed Trib to Silver Creek	5476590		RIVER	Green Lake		3 3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Unnamed Trib to Trib of S Br Rock R	5514082		RIVER	Fond du Lac		5 5	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Unnamed Trib to W Br Shioc R Unnamed Trib to Yahara R	5513990 5535982		RIVER RIVER	Shawano Dane	0	1 1	04/01/2016 04/01/2016	PS/NPS PS/NPS	Total Phosphorus Total Phosphorus	Degraded Biological Community Impairment Unknown	Proposed for List Proposed for List	High Medium	TMDL Needed (5A) Phosphorus Listed (5P)
Unnamed Trib to Yahara R Unnamed Trib to Yellow River	4699046		RIVER	Wood	0	1 1	04/01/2016	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Unnamed Tributary to Silver Spring Creek	3991302		RIVER	Lafayette	0	1 1	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Upper Buckatabon Lake		1621800	LAKE	Vilas		494	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Upper Buckatabon Lake		1621800		Vilas		494	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Addition	High	Natural Conditions (5C)
Upper Fox River	359244	117900	RIVER	Columbia	161 1	65 4	04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Upper Fox River	359274	117900	RIVER	Marquette, Columbia	144 1	61 16	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Upper Kaubashine Lake		1535000	LAKE	Oneida	144 1	190	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
				Waukesha,					•				
Upper Kelly Lake	207470	7100	LAKE	Milwaukee		12	04/01/2014	NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Harris Karla and a	004007	000000	DI /ED	D I	07	40 04	04/04/0040	NDO	Tatal Disease Land	Degraded Biological Community, Water Quality Use		1	TMDI No. In 1/54)
Upper Koshkonong Upper Koshkonong	304937 304937	808800 808800	RIVER			48 21 48 21	04/01/2012 04/01/2016	NPS PS/NPS	Total Phosphorus Unknown Pollutant	Restrictions Elevated Water Temperature	303d Listed Addition	Low	TMDL Needed (5A) TMDL Needed (5A)
Upper Pine Creek		2087300		Barron		11 9	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Upper Pixley Flowage			IMPOUNDMENT			84	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Upper Turtle Lake		2079800		Barron		438	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
				Winnebago, Fond									
Van Dyne Creek	18155	132600	RIVER	du Lac	1	9 8	04/01/2002	NPS	Sediment/Total Suspended Solids	Degraded Habitat Contaminated Fish Tissue	TMDL Development	High	TMDL Needed (5A)
Van Zile Lake Vermont Creek	127822 13482	608400 1249200	LAKE RIVER	Florence, Forest Dane	0	78 3 3	04/01/1998 04/01/2004	Atm. Dep. NPS	Mercury Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed 303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
Vilas Park Beach	1490942		INLAND BEACH		U	0	04/01/2004	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Villa Mann Creek	9978	15300	RIVER	Milwaukee	0	1 1	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Virgin Lake		1614100	LAKE	Oneida		276	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	Proposed for List	Low	Mercury Atm. Dep. (5B)
W Br Eau Claire River		1445700		Langlade	2		04/01/2014	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
W Branch Big Eau Pleine River W Branch Big Eau Pleine River		1432700		Marathon, Taylor Taylor		9 9 12 3	04/01/2014 04/01/2014	NPS NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Degraded Biological Community	TMDL Development TMDL Development	High High	TMDL Needed (5A) TMDL Needed (5A)
Wapogasset Lake		2618000	LAKE	Polk	5	1,186		Unknown	Total Phosphorus	Excess Algal Growth	303d Listed	High Low	TMDL Needed (5A) TMDL Needed (5A)
Ward Lake		2599400		Polk		91	04/01/2012	PS/NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
			GREAT LAKES										
Warm Water Beach, Lake Michigan	1452984		BEACH	Manitowoc		1	04/01/2006	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Waubeesee Lake Waukau Creek	10468 18163	760900 140700	LAKE RIVER	Racine Winnebago	5	129 10 5	04/01/2014 04/01/2014	NPS NPS	Total Phosphorus Total Phosphorus	Impairment Unknown Impairment Unknown	303d Listed TMDL Development	Low High	Phosphorus Listed (5P) Phosphorus Listed (5P)
Waupaca River	315887		RIVER	Waupaca	17		04/01/2014	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Waxdale Creek	10527	2300	RIVER	Racine	0		04/01/2018	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Wayne Creek	358286	865500	RIVER	Washington	3	4 1	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Wayne Creek	1438861		RIVER	Washington	0		04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	303d Listed	Low	TMDL Needed (5A)
Wedde Creek	11069	156000	RIVER	Marquette	0		04/01/2016	NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Weiland Valley Creek		1813000	RIVER	Buffalo		3 3	04/01/2004	NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Elevated Water Temperature	TMDL Approved		TMDL Approved by EPA in 2005 (4A)
Welch Coulee Creek Wendt Creek		1799300 1248900	RIVER RIVER	Trempealeau Dane		5 5 4 4	04/01/1998 04/01/1998	NPS NPS	Sediment/Total Suspended Solids Sediment/Total Suspended Solids	Elevated Water Temperature Degraded Habitat	TMDL Approved 303d Listed	Not Applicable Medium	TMDL Approved by EPA in 2003 (4A) TMDL Needed (5A)
Wendt Creek		1248900		Dane		8 5	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Medium	TMDL Needed (5A)
West Br Baraboo River		1288400		Juneau, Vernon		7 7	04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO	TMDL Development	High	TMDL Needed (5A)
West Br Baraboo River	13026	1288400	RIVER	Juneau, Vernon	0	7 7	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
West Br Baraboo River		1288400		Juneau, Vernon		7 7	04/01/1998	NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
				Irranari Cardi	0	8 8	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
West Br Big Creek West Br. Menomonee		1281200 5033615		Juneau, Sauk Washington		2 2	04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	High Low	TMDL Needed (5A)

	WATERS				Ctt F	- d - Cl (841)-	_					TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile Mi	nd Size (Mile le or Acres		Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
West Branch Fond Du Lac River	10990	134000	RIVER	Fond du Lac	0 2		04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
West Branch Fond Du Lac River	10990	134000	RIVER	Fond du Lac	0 2	6 26	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
				Dodge,						·			
				Washington,									
West Branch Milwaukee River	10117	40400	RIVER	Fond du Lac	0 2		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
West Branch Root River Canal	9963	4500	RIVER	Racine	0 4		04/01/1998	NPS	Sediment/Total Suspended Solids	Low DO	303d Listed	Medium	TMDL Needed (5A)
West Branch Root River Canal	9963	4500	RIVER	Racine	0 4		04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
West Branch Sugar River West Twin Lake	13658 890973	886100 2832200	RIVER LAKE	Dane Bayfield	0 8	3 8 15	04/01/2012 04/01/1998	NPS Atm. Dep.	Total Phosphorus Mercury	Impairment Unknown Contaminated Fish Tissue	303d Listed 303d Listed	Medium	Phosphorus Listed (5P)
West Twin Lake		2462300		Saint Croix		99	04/01/1998	PS/NPS		Eutrophication, Elevated pH	303d Listed	Low	Mercury Atm. Dep. (5B) TMDL Needed (5A)
West Twin River	9948	87000	RIVER	Manitowoc	6 1		04/01/1998	NPS	Total Phosphorus Total Phosphorus	Low DO	303d Listed	Low Medium	TMDL Needed (5A)
West Twin River	9949	87000	RIVER	Manitowoc	15 1		04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
West Twin River	9950	87000	RIVER	Manitowoc	16 1		04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
West Twin River	18050	87000	RIVER	Manitowoc	0 6		04/01/2012	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
West Twin River	18050	87000	RIVER	Manitowoc	0 6		04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
West Twin River	18050	87000	RIVER	Manitowoc	0 6		04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
West Twin River	18051	87000	RIVER	Manitowoc	17 1		04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Addition	Low	TMDL Needed (5A)
West Twin River	18051	87000	RIVER	Manitowoc	17 1		04/01/1998	NPS	Total Phosphorus	Low DO	303d Listed	Medium	TMDL Needed (5A)
White Ash Lake	16567	2628600) LAKE	Polk		153	04/01/2012	Other	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	Natural Conditions (5C)
White Ash Lake, North	16568	2628800) LAKE	Polk		119	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
White Birch Lake	15234	2340500) LAKE	Vilas		117	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
White Clay Lake	11102	326400	LAKE	Shawano		234	04/01/2012	PS/NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
White Creek	14119	1691700) RIVER	Jackson	0 3	3 3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
White Mound Lake	13469	1258100) LAKE	Sauk		104	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
White River	10453	751200	RIVER	Racine, Walworth	3 2		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
White Tail Flowage	14201		IMPOUNDMENT			94	04/01/2002	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Whitefish Lake		1613500		Oneida		205	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Whitefish Lake	18750	2392000) LAKE	Sawyer		786	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
			B	Jefferson,					T				—
Whitewater Creek	11777	813900	RIVER	Walworth	0 8		04/01/2016	Point Source	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Whitewater Lake	11784	816800	LAKE	Walworth		640	04/01/2010	PS/NPS	Total Phosphorus	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Wi-173-Lw18-978900	13489	978900	LAKE	Dane, Columbia	0 .	526	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Low	TMDL Needed (5A)
Wild Creek	12361	1420400) RIVER	Marathon	0 1	0 10	04/01/2014	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Willow Crook	40045	10000	פוערם	Washington,	0		04/04/2042	Other	Food Californ	Pagrantianal Pagtriotics - Path	20241:	Low	TMDI Nondad (CA)
Willow Creek Willow Creek	10045 10768	18800 243700	RIVER RIVER	Waukesha Waushara	0 3		04/01/2010 04/01/2016	Other PS/NPS	Fecal Coliform Unknown Pollutant	Recreational Restrictions - Pathogens Elevated Water Temperature	303d Listed Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
Willow Creek (Greendale)	1454972				9 1		04/01/2016	PS/NPS PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List		TMDL Needed (5A)
Willow Flowage	128380		RIVER LAKE	Sheboygan Oneida	9 1	6.306	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Willow Lake		1529500		Oneida		395	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Willow River (140 St to 100th)		2606900		Saint Croix	14 1		04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
Willow River (140 St to 100th)		2606900		Saint Croix	14 1		04/01/1998	PS/NPS	BOD	Low DO	303d Listed	Low	TMDL Needed (5A)
Wilson Creek		2066000		Dunn	3 1		04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Wilson Creek		2066000		Dunn	0 3		04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Wilson Lake (Wilson Ck FI)		2239400) LAKE	Price		351	04/01/2012	PS/NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Wilson Park Creek	9975	15200	RIVER	Milwaukee	0 4		04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Wilson Park Creek	9976	15200	RIVER	Milwaukee	4 6		04/01/2010	Other	Fecal Coliform	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Wind Lake	10469	761700		Racine		919	04/01/1998	NPS	Total Phosphorus	Low DO, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Windigo Lake (Bass)	15354	2046600		Sawyer		522	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Winneconne Lake	10749	241600	LAKE	Winnebago		4,528	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Winneconne Lake	10749	241600	LAKE	Winnebago		4,528	04/01/1998	NPS	Total Phosphorus	Excess Algal Growth	TMDL Development	High	TMDL Needed (5A)
Winneconne Lake	10749	241600	LAKE	Winnebago		4,528	04/01/2008	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Winter Lake (Price Flowage)	15324	2381100	IMPOUNDMENT	Γ Sawyer		676	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
			GREAT LAKES										
Wisconsin Point Beach #2, Lake Superior	1490997	2751220		Douglas		0	04/01/2008	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
			GREAT LAKES										
Wisconsin Point Beach 1, Lake Superior	3897974	2751220		Douglas		0	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
			GREAT LAKES										
Wisconsin Point Beach 3, Lake Superior		2751220		Douglas		0	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900		Crawford, Grant	0 2		04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River	12919	1179900		Crawford, Grant	0 2		04/01/2002	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			91 11		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River	12920	1179900) RIVER		91 11	16 25	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River	005400	1179900	RIVER	Crawford, Grant, Richland, Iowa	28 5	8 30	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	20241:4	Low	TMDI Nondad (CA)
VVISCUISIII KIVEI	685432	1179900	KIVEK	Dane, Sauk.	28 5	0 30	04/01/1998	Contam. Sed.	PUBS	Contaminated FISN TISSUE	303d Listed	Low	TMDL Needed (5A)
Wisconsin River	885476	1179900	RIVER		58 9	1 33	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900		Sauk, Columbia			04/01/1998		PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900		Sauk, Columbia			04/01/1998		Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
THOSO IGHT I CITYOT	000040	1173300	INIVEN	Adams, Juneau,	710 10	22	04/01/1930	Jonani. Jeu.	iviciodi y	Contaminated Fight Figure	JUJU LISIEU	LUIF	TWDE NOGUGU (JA)
Wisconsin River	885619	1179900	RIVER	Sauk, Columbia	138 15	59 21	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
	200019			Adams, Juneau,	.00 10	- 41	0 ., 0 1, 1000	Jonani. Cod.	. 555	Comanimated Fight Figure	SSSS EISIOU		
Wisconsin River	885619	1179900	RIVER	Sauk, Columbia	138 15	59 21	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
		2230		Adams, Juneau,					,				
Wisconsin River	885921	1179900	RIVER		188 20	04 16	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			204 22		04/01/1998		PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			204 22		04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			223 23		04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			223 23		04/01/1998		Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
				Marathon,					•				, ,
Wisconsin River	886337	1179900	RIVER		237 26	8 31	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
				Marathon,									, ,
Wisconsin River	886337	1179900	RIVER	Portage	237 26	8 31	04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River	886383	1179900	RIVER	Lincoln, Marathon	268 28	39 21	04/01/1998	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900		Lincoln, Marathon			04/01/1998	Contam. Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River		1179900			289 29		04/01/1998	Contam. Sed.	Unknown Pollutant	Chronic Aquatic Toxicity	303d Listed	Low	TMDL Needed (5A)
Wisconsin River (At Castle Rock Lake)		1179900		Adams, Juneau			04/01/1998	Contam. Sed.	Dioxin	Contaminated Fish Tissue		Not Applicable	Removed: Recovery Unknown
Wisconsin River (At Castle Rock Lake)	885667	1179900) RIVER	Adams, Juneau	159 17	73 15	04/01/1998	PS/NPS	Total Phosphorus	Eutrophication	TMDL Development	High	TMDL Needed (5A)

	WATERS				Start End	Size (Miles						TMDL Creation	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile Mile	or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Wisconsin River (At Castle Rock Lake)	885667	1179900	RIVER	Adams, Juneau	159 173	15	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River (At Castle Rock Lake)	885667	1179900	RIVER	Adams, Juneau	159 173	15	04/01/1998	Contam, Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River (At Petenwell Lake)		1179900	RIVER	Adams, Juneau	173 188	15	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
Wisconsin River (At Petenwell Lake)	885864	1179900	RIVER	Adams, Juneau	173 188	15	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River (At Petenwell Lake)		1179900	RIVER		173 188	15	04/01/1998	Contam, Sed.	Mercury	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wisconsin River (At Petenwell Lake)		1179900	RIVER		173 188	15	04/01/1998	Contam. Sed.	Dioxin	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wissota Lake			IMPOUNDMENT	Chippewa		6.300	04/01/1998	Atm. Dep.	PCBs Contaminated Fish Tissue		303d Listed	Low	TMDL Needed (5A)
Wissota Lake			IMPOUNDMENT	Chippewa		6,300	04/01/2014	NPS	Total Phosphorus Excess Algal Growth		303d Listed	Low	TMDL Needed (5A)
Wolf Lake	899093		LAKE	Portage		22	04/01/2016	PS/NPS	Total Phosphorus Impairment Unknown		Proposed for List	High	Phosphorus Listed (5P)
Wolf River		2146000	RIVER	Clark, Chippewa	7 16	9	04/01/1998	PS/NPS	Unknown Pollutant Low DO		303d Listed	Low	TMDL Needed (5A)
Wolf River-Main Stem	11237	241300	RIVER	Winnebago	0 9	9	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	303d Listed	Low	Mercury Atm. Dep. (5B)
Wolf River-Main Stem	11237	241300	RIVER	Winnebago	0 9	9	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Development	High	TMDL Needed (5A)
Wolf River-Main Stem	11237	241300	RIVER	Winnebago	0 9	9	04/01/1998	NPS	Total Phosphorus	Low DO	TMDL Development	High	TMDL Needed (5A)
Wolf River-Main Stem	11237	241300	RIVER	Winnebago	0 9	9	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Woll River-Main Stelli	11231	241300	KIVEK	Waupaca,	0 9	9	04/01/1996	Contain. Sec.	FCBS	Contaminated Fish Tissue	3030 Listed	LOW	TWIDL Needed (SA)
Wolf River-Main Stem	314842	241300	RIVER	Winnebago	9 41	32	04/01/1998	Contam, Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Woll River-Wall Stell	314042	241300	KIVEK		9 41	32	04/01/1996	Contain. Sec.	FOBS	Contaminated Fish Fissue	3030 Listeu	LOW	TWIDL Needed (SA)
Wolf River-Main Stem	314890	241200	RIVER	Outagamie,	41 66	25	04/04/4000	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
vvoii river-iviairi Sterri	314890	241300	RIVER	Waupaca	41 66	25	04/01/1998	Contam. Sed.	PUBS	Contaminated FISh TISSUE	SUSU LISTED	Low	TIVIDL Needed (5A)
				Outagamie,									
			D. (ED	Shawano,					202				
Wolf River-Main Stem	314921	241300	RIVER	Waupaca	66 86	20	04/01/2002	Contam. Sed.	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
				Shawano,									
Wolf River-Main Stem	315333		RIVER	Waupaca	86 105		04/01/1998	Other	PCBs	Contaminated Fish Tissue	303d Listed	Low	TMDL Needed (5A)
Wolf Valley Creek		1811200	RIVER	Buffalo	0 3	3	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Wood Lake		2649800	LAKE	Burnett		521	04/01/2014	NPS	Unknown Pollutant	Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Woodward Creek	360562	1691900	RIVER	Jackson	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids Degraded Habitat		303d Listed	Low	TMDL Needed (5A)
Wuerches Creek	359163		RIVER	Green Lake	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids Degraded Habitat		TMDL Development	High	TMDL Needed (5A)
Wuerches Creek	359163	148300	RIVER	Green Lake	0 4	4	04/01/2008	NPS	Total Phosphorus Low DO, Elevated Water Temperature		TMDL Development	High	TMDL Needed (5A)
Yahara R. Badfish Cr To Stoughton	355120	798300	RIVER	Dane, Rock	7 16	9	04/01/1998	PS/NPS	Sediment/Total Suspended Solids Degraded Habitat		TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Yahara R. Badfish Cr To Stoughton	355120	798300	RIVER	Dane, Rock	7 16	9	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Yahara River	3990161		RIVER	Dane, Columbia	47 63	16	04/01/2014	NPS	Total Phosphorus	Impairment Unknown	TMDL Approved		TMDL Approved by EPA in 2011 (4A)
Yahara River	5536043		RIVER	Dane	43 47	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Yahara River	3990161		RIVER	Dane, Columbia	47 63	16	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Addition	Low	TMDL Needed (5A)
Yahara, Rock R. To Badfish Cr.	18255	798300	RIVER	Rock	0 7	7	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Yahara, Rock R. To Badfish Cr.	18255	798300	RIVER	Rock	0 7	7	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Yahara, Stoughton To L. Kegonsa	355202	798300	RIVER	Dane	16 22	6	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Degraded Habitat	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Yahara, Stoughton To L. Kegonsa	355202	798300	RIVER	Dane	16 22	6	04/01/1998	PS/NPS	Total Phosphorus	Low DO	TMDL Approved	Not Applicable	TMDL Approved by EPA in 2011 (4A)
Yeager Valley Creek	14445	1810200	RIVER	Buffalo	0 4	4	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	303d Listed	Low	TMDL Needed (5A)
Yellow Lake	16930	2675200	LAKE	Burnett		2,287	04/01/2010	Other	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
									•				
Yellow River	18849	2154500	RIVER	Taylor, Chippewa	0 45	45	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Yellow River	1452311	2096100	RIVER	Barron	0 10	10	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	303d Listed	Low	Phosphorus Listed (5P)
Yellow River	5541128	1352800	RIVER	Juneau, Wood	8 39	31	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	TMDL Development	High	Phosphorus Listed (5P)
				Clark, Juneau,						·			
Yellow River	12205	1352800	RIVER	Wood	39 50	11	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Yellow River	12230	1352800	RIVER	Juneau	0 8	8	04/01/2012	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Yellow River	5541350	1352800	RIVER	Wood	53 57	4	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Yellow River	5541396	1352800	RIVER	Wood	57 74	17	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Yellow River		1352800	RIVER	Clark, Wood	74 83	9	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Yellow River		1352800	RIVER	Clark	83 98	15	04/01/2012	NPS	Total Phosphorus	Water Quality Use Restrictions	TMDL Development	High	TMDL Needed (5A)
Yellow River-S. Branch		1372600	RIVER	Clark, Wood	0 18	18	04/01/2012	NPS	Total Phosphorus	Degraded Biological Community	TMDL Development	High	TMDL Needed (5A)
Yellowstone Lake	902228	903700	LAKE	Lafavette	5 .0	453	04/01/2014	NPS	Total Phosphorus	Eutrophication, Excess Algal Growth	303d Listed	Low	TMDL Needed (5A)
Yellowstone River	13711	902500	RIVER	Lafayette	0 10	10	04/01/2014	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Yellowstone River	13713	902500	RIVER	Lafayette	14 18	4	04/01/2014	NPS	Unknown Pollutant	Degraded Biological Community Degraded Biological Community	303d Listed	Low	TMDL Needed (SA)
I GIIOWSTOTIE KIVEI	13/13	302300	GREAT LAKES	Lalayette	14 10	4	04/01/2014	INFO	Ulkiluwii Fullulalil	Degraded biological Community	JUJU LISIEU	LOW	TWDL Needed (SA)
Ymca Beach, Lake Michigan	481912	20	BEACH	Manitowoc		0	04/01/2004	Other	E. coli	Recreational Restrictions - Pathogens	303d Listed	Low	TMDL Needed (5A)
				Grant	0 0		04/01/2004	NPS				Low	
Young Branch	13898	946400	RIVER		0 3	3			Total Phosphorus	Impairment Unknown	303d Listed	Medium	Phosphorus Listed (5P)
Zion Creek Zion Creek	424601	772400 772400	RIVER	Waukesha	0 2	2	04/01/1998	PS/NPS	Sediment/Total Suspended Solids	Elevated Water Temperature, Degraded Habitat	303d Listed 303d Listed	Low	TMDL Needed (5A) TMDL Needed (5A)
				Waukesha	0 2	2	04/01/1998	PS/NPS	Total Phosphorus			Low	

B. 2016 Proposed Listings

Section Control Cont								Size (Miles or						TMDL Creation	
Act Company	Local Waterbody Name	WATERS ID (AU)) WBIC	Water Type	County	Start Mile	End Mile		Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status		Listing/Delisting Details
Aber Class	Airport Road Creek	893239	805200	RIVER		0	3	3	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Marchant 1965	Allen Creek	5542005	883700	DI\/ED		23	27	4	04/01/2016	DS/NDS	Total Phoenhorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
March Design 1967 1968 1967 1968 1967 1968 1967 1968 1967 1968 1967 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968 1968															TMDL Needed (5A)
Among Park 1497 1998 1998 1998 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1999 1								3							TMDL Needed (5A)
Search 1473 97520 Search 1474 97520 Search 1474 Search 147		14815	2268600		Vilas			187	04/01/2016	PS/NPS	Total Phosphorus		Proposed for List	Low	Natural Conditions (5C)
March 1986 159500 Molta 19950 Molt		4.407000	0754000		Davidas			0.05	04/04/0040	DO/NDO	E		D	1	TMDI NiII (EA)
Sales Labe March 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997 1997						0	4								TMDL Needed (5A) Phosphorus Listed (5P)
Sub-Norm						- 0	-								Phosphorus Listed (5P)
Sept Control	Bark River	5541890	813500	RIVER	Jefferson	0	12	12		PS/NPS			Proposed for List		Phosphorus Listed (5P)
Service 1279															TMDL Needed (5A)
Base Closel						0	10								TMDL Needed (5A) Natural Conditions (5C)
James Grant Creek						6	16								TMDL Needed (5A)
Security Column															TMDL Needed (5A)
Sector Lake 9220 7500						0	14								TMDL Needed (5A)
Sector Labor 1920	Beaver Creek	12479	1459300	RIVER	Marathon	0	5	5	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
March 1986 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1987 1															
Debroth Millrord (01 sq) 90 (20) 80000 LACE Const. Con	Becker Lake	9920	77300	LAKE	Calumet			32	04/01/2016	NPS	Total Phosphorus		Proposed for List	Medium	TMDL Needed (5A)
Big Afford Spice Lake 1986 55650 LAKE Visio 1,000 040/02/16 PSNPS Uniscone Pictural Faces Agg (Cream) Proposed for Lie Low Natural Cream 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1,000 1	Relleville Millnond (61 ac)	902204	886000	IAKE	Dane			88	04/01/2016	PS/NPS	Total Phosphorus		Proposed for List	Medium	TMDL Needed (5A)
Big Ballet Lais State 16958 207700 LAFE Poly 1															Natural Conditions (5C)
Book Land Control															TMDL Needed (5A)
Black Eard Creek															
Book Searn Coade															TMDL Needed (5A)
Black Semf Creek 13476 124800 RIVER Dave 11 17 6 0401/0716 PSNNS Unknown Pollutari Expensed for lat Low TMICN Michael	Black Earch Creek	5696531	1248600	RIVER	Dane	7	11	4	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Black End Creek 1974 124000 RVER Den. loos 0 7 7 7 0401/2016 PSNPS Unincom Pollutari Degaded Biological Community Proposed for List Low TMCL N	Black Farth Creek	13475	1248600	RIVER	Dane	11	17	6	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Black Dest Lake (Fotomorlele) 9779 315000 LAKE															TMDL Needed (5A)
Blockhouse Lake								75							TMDL Needed (5A)
Bite Hatter Placeh, Liske															TMDL Needed (5A)
Michigan 3894941 20 6EACH Shaboygan 0 16 0401/2016 PSNPS Burnor mellulatar Degraded Biological Community Proposed for List Low TMDLN		14782	2256800		Price			242	04/01/2016	PS/NPS	Total Phosphorus		Proposed for List	Low	TMDL Needed (5A)
Bose Ornak 19902 966200 RVPER Grint 0 16 6 04/01/2016 PSAPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL N Earth Review		2000404	20		Chahaugan			0.14	04/04/2016	DC/NDC	E coli		Droposed for Liet	Law	TMDI Nacdad (EA)
Bool Lake July Figure Special Process Figure Special Process Figure Special Process Figure Fi						0	16								TMDL Needed (5A) TMDL Needed (5A)
Boot Lake 9921 77900 LAKE Mantowor 11 0401/2016 NPS Total Phosphorous Proposed for List Medium TMDL N Blotan Valley Cried Florid Programming Proposed for List Low TMDL N Blotan Valley Cried Florid Programming Proposed for List Low TMDL N Blotan Valley Cried Valley Valley Cried Valley	Boide Oreek	10002	330200	MVLIN		- 0	10	10	04/01/2010	1 0/111 0	Onidiown i Gildlant		1 Toposca for Elst	LOW	TIMBL Necded (6/1)
Bule Now State Forest Basech SCREAT LAKES SALE Superior 1452/476 2751/220 BEACH Douglas 1 0.401/2016 PSAPS E. col PSAPS E. col Pachtogens Proposed for List Low TMD. N.	Boot Lake	9921	77600	LAKE				11	04/01/2016	NPS	Total Phosphorus		Proposed for List	Medium	TMDL Needed (5A)
Inc. Lake Superior 1452476 2751220 BEACH Douglas 1 0401/2016 PSNPS E. col Pathogena Proposed for Lat Low TMDL N Circle Ly Lake 15161 2230700 LAKE Iron, Vilas 223 0401/2016 PSNPS Unknown Pollutant Excess Agal Grown Proposed for Lat Low TMDL N Circle Ly Lake 15161 2230700 LAKE Iron, Vilas 223 0401/2016 PSNPS Unknown Pollutant Excess Agal Grown Proposed for Lat Low TMDL N Con Branch 142046 395500 RIVER Lateyette 5 7 1 0401/2016 PSNPS Unknown Pollutant Degraded Biological Community Proposed for Lat Low TMDL N Con Branch 142046 395500 RIVER Lateyette 7 8 1 0401/2016 PSNPS Unknown Pollutant Degraded Biological Community Proposed for Lat Low TMDL N Con Find Normal 142046 395500 RIVER Lateyette 7 8 1 0401/2016 PSNPS Unknown Pollutant Degraded Biological Community Proposed for Lat Low TMDL N Con Find Normal 142046 TMDL N		14350	1775700		Buffalo	0	6	6	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community		Low	TMDL Needed (5A)
Center Creek 13386 1225800 RIVER Richland 0 2 2 0401/2016 PSNPS Unknown Politurant Degraded Biological Community Proposed for List Low TMDL N TM															
Circle Lip Lake						0	2								TMDL Needed (5A)
Cam Linke, Lower 15559 2429900 LAKE Savyer 229 0401/2016 PSINPS Unknown Pollutant Excess Algial Growth Proposed for List Low TMDL N Coon Branch 13837 936500 RIVER Laflayette 5 7 1 0401/2016 PSINPS Unknown Pollutant Degrated Biological Community Proposed for List Low TMDL N Coon Branch 1420406 935500 RIVER Laflayette 7 8 1 0401/2016 PSINPS Unknown Pollutant Degrated Biological Community Proposed for List Low TMDL N Coon Branch 1420406 935500 RIVER Laflayette 7 8 1 0401/2016 PSINPS Unknown Pollutant Coon Flowage 18255 2135500 LAKE Eau Claire 75 0401/2016 PSINPS Unknown Pollutant Carek Link River (Jefferson to Single Link Link Link Link Link Link Link Link						U	2								TMDL Needed (5A) TMDL Needed (5A)
Coop Branch 19337 938500 RIVER Lafleyette 5 5 0401/2016 PSNPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL N Coop Branch 1482046 938500 RIVER Lafleyette 7 8 1 0401/2016 PSNPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL N Coop Branch TMDL N Co															TMDL Needed (5A)
Coop Branch 13838 935500 RIVER Lafsyretle 5 7 1 04/01/2016 PSNNPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL N						0	5								TMDL Needed (5A)
Con Fork Flowage	Coon Branch			RIVER	Lafayette	5	7	1				Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Coor Fich Flowage 1825 2135800 LAKE Eau Claire 75 O401/2016 PS/NPS Total Phosphorus Agal Growth Proposed for List Low TMDL N Crawlins River (Jefferson 10 RS/NPS Total Phosphorus St.	Coon Branch	1482046	936500	RIVER	Lafayette	7	8	1	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Cox Hollow Lake	Coop Fork Flowage	4000E	2425600	LAKE	Fou Claire			75	04/04/2016	DC/NDC	Total Dhaanharus		Droposed for Liet	Law	TMDI Nooded (EA)
Crawlish River (Jefferson to Rock Creek S513911 829700 RIVER Jefferson 0 11 11 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N Creek 20-16 Trib. To Gilbert Creek 16268 2064650 RIVER Dunn 0 4 4 4 04/01/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL N Crystal River 10287 258200 RIVER Waupaca 2 12 10 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Medium TMDL N Crystal River 14111 1689300 RIVER Crosse 0 7 7 7 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N TMDL N Creek 14111 1689300 RIVER Wood 0 7 7 7 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List High Phosphorus Medium TMDL N															TMDL Needed (5A) TMDL Needed (5A)
Rock Creek 5519311 829700 RIVER Jefferson 0 11 11 0401/2016 PSNPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N Creek TMDL N Creek TMDL N		10402	1240000	L/ I/CL	lowa			30	04/01/2010	1 0/11/ 0	Onknown i Ondiant	Excess rugar Growar	1 Toposca for Elst	LOW	TWDE Neceded (071)
Creek 15656 2064650 RIVER Dunn 0 4 4 04/01/2016 PSNPS Total Phosphorus Degraded Biological Community Proposed for List Low TMDL.N		5513911	829700	RIVER	Jefferson	0	11	11	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Crystal River 10287 258200 RIVER Waupaca 2 12 10 04/01/2016 PSNPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL.N												·			
Davis Creek															TMDL Needed (5A)
Davis Creek 14111 1689300 RIVER Crosse 0 7 7 0.401/12016 PS/NPS Total Phosphorus Mater Quality Use Restrictions Proposed for List Medium TMDL. N Davis Creek 13674 1618 793600 LAKE Walworth 2,072 0.401/12016 PS/NPS Total Phosphorus Excess Algal Growth Proposed for List High Phosphorus Excess Algal Growth Proposed for List High Phosphorus Excess Algal Growth Proposed for List High TMDL. N Davis Creek 13674 1295400 LAKE Sauk 267 0.401/12016 PS/NPS Total Phosphorus Excess Algal Growth Proposed for List High TMDL. N Denewu Creek 1992 138700 RIVER Fond du Lac 0 11 11 0.401/12016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus Meter Quality Use Restrictions Proposed for List High Phosphorus Meter Quality Use Restrictions Proposed for List High Phosphorus Meter Quality Use Restrictions Proposed for List High Phosphorus Meter Quality Use Restrictions Proposed for List Medium TMDL. N Proposed for List Medium T	Crystal River	10287	258200	RIVER		2	12	10	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Daves Creek 12226	Davis Creek	1/1111	1680300	RI\/ED		0	7	7	04/01/2016	DS/NDS	Total Phoenhorus	Water Quality Lies Pastrictions	Proposed for Liet	Medium	TMDL Needed (5A)
Delayan Lake															Phosphorus Listed (5P)
Delton Lake															TMDL Needed (5A)
Douglas Creek 14116 1691300 RIVER Jackson 0 2 2 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N	Delton Lake	13546	1295400	LAKE	Sauk			267	04/01/2016	NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Dougla Creek															Phosphorus Listed (5P)
Douglas Creek 14118															TMDL Needed (5A)
Eagle Lake															TMDL Needed (5A) TMDL Needed (5A)
Eau Claire Lake						7	10								TMDL Needed (5A)
Fall Creek 16095 2129900 RIVER Eau Claire 0 3 3 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N	Eau Claire Lake				Eau Claire										TMDL Needed (5A)
Feather Branch 13776 917400 RIVER Lafayette 0 5 5 04/01/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions - Proposed for List Low TMDL N Recreational Restrictions Proposed for List Redium TMDL N Recreational Restrictions Proposed for List Recreational Restriction			2129900					3	04/01/2016	PS/NPS	Total Phosphorus				TMDL Needed (5A)
Fischer Park Beaches, Lake Michigan 481811 20 BEACH Manitowoc 1 04/01/2016 PS/NPS E. coli PS/NPS E. coli Pathogena Proposed for List Eutrophication, Excess Algal Eutrophication, Excess Algal Eutrophication, Excess Algal Fish Lake 13490 985100 LAKE Dane 216 04/01/2016 PS/NPS Total Phosphorus Growth Proposed for List Low TMDL N. Beach TMDL N. Total Phosphorus Total Phosphorus Excess Algal Growth Proposed for List Medium TMDL N. TMDL															TMDL Needed (5A)
Michigan Mate Manitoward		13776	917400		Latayette	0	5	5	04/01/2016	PS/NPS	Total Phosphorus		Proposed for List	Medium	TMDL Needed (5A)
Fish Lake 13490 985100 LAKE Dane 216 04/01/2016 PS/NPS Total Phosphorus Growth Proposed for List Low TMDL N. Fisher Creek 18021 62500 RIVER Sheboygan 0 4 4 04/01/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL N. Gass Lake 9870 67100 LAKE Manitowoc 6 04/01/2016 NPS Total Phosphorus Excess Algal Growth Proposed for List Medium TMDL N. Gelena River 13833 935500 RIVER Lafayette 3 36 33 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Medium TMDL N. Growth Proposed for List Low TMDL N. Growth Proposed for List Low TMDL N. Growth Growth Proposed for List Low TMDL N. Growth Growth Growth Proposed for List Low TMDL N. Growth Growth Growth Proposed for List Medium TMDL N. Growth Growth Growth Growth Proposed for List Medium TMDL N. Growth Growth Growth Growth Growth Proposed for List Medium TMDL N. Growth		481811	20		Manitowoo			1	04/01/2016	PS/NPS	F coli		Proposed for List	Low	TMDL Needed (5A)
Fish Lake 13490 985100 LAKE Dane 216 04/01/2016 PS/NPS Total Phosphorus Growth Proposed for List Low TMDL N Fisher Creek 1801 62500 RIVER Sheboygan 0 4 4 04/01/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL N Gass Lake 9870 67100 LAKE Manitowoc 6 04/01/2016 NPS Total Phosphorus Excess Algal Growth Proposed for List Medium TMDL N Gelena River 13833 935500 RIVER Lafayette 3 36 33 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL N Eutrophication, Excess Algal Growth Proposed for List Low TMDL N Growth Proposed for Lis	oiguii	401011	20	DEAOIT	Manitowoo			•	3-701/2010	I O/INI O	L. COII		. Toposcu for List	LOW	AMDE NOGUGU (OA)
Fisher Creek 18021 62500 RIVER Sheboygan 0 4 4 04/01/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL N Gass Lake 9870 67100 LAKE Manitowoc 6 04/01/2016 NPS Total Phosphorus Excess Algal Growth Proposed for List Medium TMDL N Gelena River 13833 935500 RIVER Lafayette 3 3 36 33 04/01/2016 PS/NPS Unknown Pollutar Degraded Biological Community Proposed for List Medium TMDL N Excess Algal Growth Proposed for List Low TMDL N Eutrophication, Excess Algal Growth Proposed for List Low TMDL N Green Lake, Marquette, Fond Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus	Fish Lake	13490	985100	LAKE	Dane			216	04/01/2016	PS/NPS	Total Phosphorus		Proposed for List	Low	TMDL Needed (5A)
Gelena River	Fisher Creek	18021	62500	RIVER	Sheboygan	0	4	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Goose Lake 902174 872600 LAKE Dane 12 04/01/2016 PS/NPS Total Phosphorus Growth Proposed for List Medium TMDL N Green Lake, Marquette, Fond Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphoru					Manitowoc										TMDL Needed (5A)
Goose Lake 902174 872600 LAKE Dane 12 04/01/2016 PS/NPS Total Phosphorus Growth Proposed for List Medium TMDL N Green Lake, Marquette, Fond Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus	Gelena River	13833	935500	RIVER	Lafayette	3	36	33	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Green Lake, Marquette, Fond Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphoru	Googa Laka	000474	070600	LAVE	Dono			10	04/01/2016	DC/NDC	Total Dhaanhari		Droposed for Liet	Modium	TMDL Needed (5A)
Marquette, Fond Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphoru	Guose Lake	902174	012000	LAKE				12	04/01/2016	PO/NPO	rotal Priosphorus	Giowin	rioposed for List	iviedium	TIVIDE Needed (5A)
Grand River 10702 159300 RIVER du Lac 21 43 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphoru															
	Grand River	10702	159300	RIVER		21	43	22	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
	Grantosa Creek	3991760	5035175	RIVER	Milwaukee	0	1	1	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
						0	3								TMDL Needed (5A)
Harpt Lake 10149 84600 LAKE Manitowoc 31 04/01/2016 NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Medium TMDL N	Harpt Lake	10149	84600	LAKE	Manitowoc			31	04/01/2016	NPS	Total Phosphorus	vvater Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)

							Size (Miles or						TMDL Creation	
ocal Waterbody Name Hartlaub Lake	WATERS ID (AU)	WBIC	Water Type LAKE	County	Start Mile	End Mile	Acres)	Date Listed	Source Category	Pollutant Total Phosphorus	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
	9871	67200	RIVER	Manitowoc	6	7	34	04/01/2016	NPS DS/NDS	Total Phosphorus Unknown Pollutant	Impairment Unknown Degraded Biological Community	Proposed for List	Medium	Phosphorus Listed (5F TMDL Needed (5A)
arvey Creek	5541777	1819300 1819300	RIVER	Buffalo Banin	6 7	-	1		PS/NPS PS/NPS	Unknown Pollutant		Proposed for List Proposed for List	Low	TMDL Needed (5A)
arvey Creek awkinson Creek	5514178 14386	1785500	RIVER	Buffalo, Pepin Trempealeau	0	11 4	4	04/01/2016 04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community Degraded Biological Community	Proposed for List	Low Low	TMDL Needed (5A)
emlock Slough	424051	1286100	LAKE	Sauk	- 0	-	22	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	High	TMDL Needed (5A)
olly Lake, Upper (Holly)	15376	2394600	LAKE	Sawyer			33	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	Proposed for List	Low	Mercury Atm. Dep. (58)
lorseshoe Lake	16574	2630100	LAKE	Polk, Barron			377	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
fulbert Creek	13050	1298500	RIVER	Sauk	0	2	2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5F
nlet of Lake Ripley	5476766	809700	RIVER	Jefferson	0	4	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5F
ackson Creek	11619	793800	RIVER	Walworth	0	3	3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
acksori Creek	11019	793600	NIVEN	waiwoiiii	U	3	3	04/01/2010	F3/NF3	Total Filospilorus	Chronic Aquatic Toxicity, Acute	Fioposeu ioi Lisi	LOW	TIVIDE Needed (SA)
larrett Creek at Schneider Ave	3991015	2067800	RIVER	Dunn	0	3	3	04/01/2016	NPS	Chloride	Aquatic Toxicity, Acute	Proposed for List	Low	TMDL Needed (5A)
ersev Vallev Lake	13167	1191600	LAKE	Vernon	U	3	52	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
uda Branch	13614	877500	RIVER	Green	0	4	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5F)
uua Bialicii	13014	677500	RIVER	Gleen	U	4	4	04/01/2010	F3/NF3	Sediment/Total	impairment offknown	Fioposeu ioi Lisi	Medium	Filospilorus Listeu (Si
uda Branch	13614	877500	RIVER	Green	0	4	4	04/01/2016	Habitat/Physical	Suspended Solids	Degraded Habitat	Proposed for List	Medium	TMDL Needed (5A)
	13839	936600	RIVER		0	2	2	04/01/2016	PS/NPS				Medium	TMDL Needed (5A)
elsey Br				Lafayette						Total Phosphorus	Degraded Biological Community	Proposed for List		
illsnake River	18043	78200	RIVER	Calumet	0	20	20	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
roenke Creek	11107	326700	RIVER	Shawano	5	9	4	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
uenster Creek	13910	957900	RIVER	Grant	0	11	1	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
uenster Creek	18564	957900	RIVER	Grant	1	10	9	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
ake Altoona	16084	2128100	LAKE	Eau Claire			840	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
ake Lorraine	11774	777500	LAKE	Walworth			133	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
				Buffalo, Pepin,										
ake Pepin	4704964	731800	LAKE	Pierce			25,503	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Low	TMDL Needed (5A
eota Lake	902198	884700	LAKE	Rock			36	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Medium	TMDL Needed (5A
y River	10555	370900	RIVER	Forest, Langlade	0	10	10	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
tle Arbor Vitae Lake	128524	1545300	LAKE	Vilas			534	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	High	Natural Conditions (5
tle Arbor Vitae Lake	128524	1545300	LAKE	Vilas			534	04/01/2016	PS/NPS	Unknown Pollutant	Eutrophication	Proposed for List	Low	Natural Conditions (5
tle Bearskin Lake	128180	1523500	LAKE	Oneida			164	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5
ttle Dummy Lake	15835	1861400	LAKE	Barron			31	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5
tle Hemlock Creek	12225	1367100	RIVER	Wood	0	11	11	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A
tle Platte River	1527892	943800	RIVER	Grant	0	34	34	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A
ttle Sand Lake	16827	2661600	LAKE	Barron			101	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A
ocal Water	3991787	2450	RIVER	Racine	0	1	1	04/01/2016	NPS	Chloride	Chronic Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A
ocal Water	3994614	138800	RIVER	Fond du Lac	0	4	4	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5
ocal Water	1524881	323500	RIVER	Shawano	0	3	3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A
ocal Water	3992334	441100	RIVER	Oconto	0	3	3	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
ocal Water	3894716	737350	RIVER	Kenosha	0	1	1	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
ocal Water	3991645	870400	RIVER	Fond du Lac	0	7	7	04/01/2016	NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5A
			RIVER		0	8	8							TMDL Needed (5A
ocal Water	3991618	870800		Fond du Lac				04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	
ocal Water	3992057	917800	RIVER	Lafayette	0	2	2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5
ocal Water	4700332	2833500	RIVER	Douglas	0	7	7	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
ocal Water	3993990	3000558	RIVER	Brown, Shawano	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A
ocal Water	3994803	5010743	RIVER	Oconto	0	5	5	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
ocal Water	3994857	5020832	RIVER	Manitowoc	0	6	6	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A
				Calumet,										
ocal Water	3993962	5022162	RIVER	Outagamie	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A
omira Creek	18236	864100	RIVER	Dodge	0	6	6	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5
ong Lake Br	17655	2894900	RIVER	Bayfield	0	17	17	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
ong Lake Branch	1494187	2894900	RIVER	Bayfield	17	22	5	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
											Eutrophication, Excess Algal			
ost Lake	11419	837100	LAKE	Dodge			245	04/01/2016	PS/NPS	Total Phosphorus	Growth	Proposed for List	Low	TMDL Needed (5A
otus Lake	16460	2616900	LAKE	Polk			246	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A
ower Buckatabon Lake	128547	1621000	LAKE	Vilas			352	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5
adden Br	13847	939100	RIVER	Lafayette	0	8	8	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
				Calumet, Fond du							J	.,		(0/)
lanitowoc R. So. Branch	3990110	77900	RIVER	Lac	13	37	24	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A
	5555110		v LIX	Luo	.0			3.,3.,2010	. 5,.11 5	. otar i moopriorao	Recreational Restrictions -	. repossu for Elec	caiaiii	
arengo River	17712	2911900	RIVER	Ashland, Bayfield	12	39	27	04/01/2016	PS/NPS	Fecal Coliform	Pathogens	Proposed for List	Low	TMDL Needed (5A
arlowe Branch	18565	959400	RIVER	Grant	0	6	6	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
anowe Dianon	10303	333400	GREAT LAKES	Olalit	U	U	J	J-7/U1/ZU10	I O/INFO	CHRIOWH FUHULANI	Recreational Restrictions -	i ioposed for List	LOW	TWIDE Needed (SA)
aclowski Popob. Lake Coma-i	1452042	2751220	BEACH	Anhland			1	04/01/2010	PS/NPS	E coli		Dropoged for List	Low	TMDI Nacdad (54
aslowski Beach, Lake Superior	1452812	2751220		Ashland				04/01/2016		E. coli	Pathogens	Proposed for List		TMDL Needed (5A
edicine Lake	128218	1611700	LAKE	Oneida			372	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5
iddle River Beach, Lake	1400001	0754000	GREAT LAKES	Daniel				04/04/0215	DO/NDO	E!'	Recreational Restrictions -	Department	Lan	TMDI No. 1 1/51
uperior	1489001	2751220	BEACH	Douglas			1	04/01/2016	PS/NPS	E. coli	Pathogens	Proposed for List	Low	TMDL Needed (5A
ill Creek	11571	867700	RIVER	Dodge	0	13	13	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Low	TMDL Needed (5A
				Washington, Fond								_		
ilwaukee River	481605	15000	RIVER	du Lac	69	103	35	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
ineral Lake	891211	2916900	LAKE	Ashland			227	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Natural Conditions (5
ose Lake	11147	337600	LAKE	Langlade			105	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (
ud Creek	10259	131600	RIVER	Calumet	0	3	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A
ud Creek (Left, Hills) T18n,													-	
21e, S12	9888	73600	RIVER	Manitowoc	0	10	10	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
ud Lake	128234	1612500	LAKE	Oneida			124	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	Natural Conditions (
urbou Creek	11937	541800	RIVER	Marinette	0	1	1	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A
urray Creek	9826	323000	RIVER	Shawano	0	2	2	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5/
urray Creek uskellunge Creek	13909	957600	RIVER	Grant			4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List		TMDL Needed (5/
					1	5					Contaminated Fish Tissue		Low	
eenah Channel	5720096	130600	LAKE	Winnebago			102	04/01/2016	Contam. Sed.	PCBs		Proposed for List	Low	TMDL Needed (5/
ewton Lake	900376	450600	LAKE	Oconto			19	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A
nemile Creek	11255	366800	RIVER	Langlade	0	13	13	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A
orth Fork Beaver Creek	1181543	1682500	RIVER	Jackson	12	19	8	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A
orth Fork Of Beaver Creek	14094	1682500	RIVER	Trempealeau	0	12	12	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A
Jilli Fulk Ol beavel Gleek														

Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County	Start Mile	End Mile	Size (Miles or Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	TMDL Creation Priority	Listing/Delisting Details
Oconto River	1440776	440200	RIVER	Shawano	31	36	4	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
										Sediment/Total				
Ok Creek	13611	877200	RIVER	Green	0	7	7	04/01/2016	PS/NPS	Suspended Solids	Degraded Habitat	Proposed for List	Medium	TMDL Needed (5A)
Ok Creek	13611	877200	RIVER	Green	0	7	7	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List Proposed for List	Medium	TMDL Needed (5A)
Oliver Creek	11463	859000	RIVER	Dodge	0	4	4	04/01/2016	PS/NPS	Unknown Pollutant Ammonia (Unionized) -	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Otter Creek	13798	923300	RIVER	Lafayette, Iowa	0	11	11	04/01/2016	PS/NPS	Toxin	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Otter Creek	13798	923300	RIVER	Lafayette, Iowa	0	11	11	04/01/2016	PS/NPS	BOD	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Pats Creek	13848	939800	RIVER	Lafayette	0	9	9	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
											Recreational Restrictions -			
Pattison Beach (State Park)	1455339	2838000	INLAND BEACH	Douglas	0	0.07	0.07	04/01/2016	PS/NPS	E. coli	Pathogens	Proposed for List	Low	TMDL Needed (5A)
Pelican Lake	128252	1579900	LAKE	Oneida			3,585	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Peshtigo River	11844	515500	RIVER	Marinette	54	60	6	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Peterson Creek Phantom Lake	10395 10500	275400 766000	RIVER LAKE	Waupaca Waukesha	0	8	8 107	04/01/2016 04/01/2016	NPS PS/NPS	Unknown Pollutant Total Phosphorus	Elevated Water Temperature Impairment Unknown	Proposed for List Proposed for List	Low	TMDL Needed (5A) Phosphorus Listed (5P)
Filantoni Lake	10300	700000	LANE	waukesna			107	04/01/2010	F3/NF3	Total Filospilorus	Chronic Aquatic Toxicity, Acute	Floposed for List	LOW	Filospilorus Listeu (SF)
Pike Creek	896190	1200	RIVER	Kenosha	0	4	4	04/01/2016	NPS	Chloride	Aquatic Toxicity	Proposed for List	Low	TMDL Needed (5A)
Pike Lake Chain	14813	2268300	LAKE	Price			806	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	Natural Conditions (5C)
Pine Lake, T29n R17w S01	16410	2489700	LAKE	Saint Croix			102	04/01/2016	PS/NPS	Total Phosphorus	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Plum Creek	18230	868400	RIVER	Dodge	0	14	14	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
											Contaminated Fish Tissue,			
Portage Canal	5534667	179500	RIVER	Columbia			16	04/01/2016	Contam. Sed.	PCBs	Contaminated Sediment	Proposed for List	Low	TMDL Needed (5A)
Portage Canal Portage Canal	5534667 5534667	179500 179500	RIVER RIVER	Columbia Columbia			16 16	04/01/2016 04/01/2016	Contam. Sed. Contam. Sed.	Lead Mercury	Contaminated Sediment Contaminated Sediment	Proposed for List Proposed for List	Low Low	TMDL Needed (5A) TMDL Needed (5A)
Puchyan River	11018	145200	RIVER	Green Lake	0	14	14	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
. adilyan ravor	11010	140200	IXIVEIX	Waushara,	3		.7	3-70 1/2010	I O/INI O	Jimiomi i Unutalit	2.0valou vrator remperature	i Toposou foi List	LOW	AMDE NOCUCU (UA)
Pumpkinseed Creek	10766	243300	RIVER	Winnebago	0	3	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
				Waushara,								·	-	()
Pumpkinseed Creek	10767	243300	RIVER	Winnebago	3	6	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Rattlesnake Creek	13905	957300	RIVER	Grant	0	21	21	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
					_					Sediment/Total				
Riley School Branch	18519	877600	RIVER	Green	0	4	4	04/01/2016	NPS	Suspended Solids	Degraded Habitat	Proposed for List	Medium	TMDL Needed (5A)
Riley School Branch	18519	877600	RIVER	Green	0	4	672	04/01/2016 04/01/2016	NPS DC/NDC	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A) Natural Conditions (5C)
Rolling Stone Lake	10607	389300	LAKE	Langlade			672	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth Eutrophication, Excess Algal	Proposed for List	Low	Natural Conditions (5C)
Round Lake	9910	68600	LAKE	Calumet			11	04/01/2016	NPS	Total Phosphorus	Growth	Proposed for List	Medium	TMDL Needed (5A)
Rouse Creek	17755	2925000	RIVER	Iron	0	3	3	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
				Jackson, Monroe,				0.000.000						
Sand Creek	14017	1689700	RIVER	La Crosse	0	10	10	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Schoenick Creek	5513393	321000	RIVER	Shawano	4	4	1	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Schoenick Creek	5513424	321000	RIVER	Shawano	4	8	3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Sevenmile Creek	16089	2128700	RIVER	Chippewa	5	7	2	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Sevenmile Creek	16088	2128700	RIVER	Eau Claire	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Sinsinawa River	13850	940200	RIVER	Grant	0	10	10	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Six Mile Creek Soper Creek	11691 14129	805500 1693400	RIVER RIVER	Dane Monroe	0	9	9	04/01/2016 04/01/2016	PS/NPS PS/NPS	Total Phosphorus Total Phosphorus	Water Quality Use Restrictions Impairment Unknown	Proposed for List Proposed for List	Low Medium	TMDL Needed (5A) Phosphorus Listed (5P)
South Fish Creek	17624	2889900	RIVER	Bayfield	0	25	25	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
South Fork Eau Claire River	5542152	2137000	RIVER	Clark	20	39	19	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
South Fork Eau Claire River	5542093	2137000	RIVER	Clark, Taylor	39	49	10	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Spring Creek (Solon Spring										•	, i	•		`
Creek)	1497732	2748100	RIVER	Douglas	0	3	3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Spring Lake	10311	267200	SPRINGS-LAKE	Portage			37	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
St Croix Creek	17123	2749100	RIVER	Douglas	0	1	1	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Sugar River East Channel	5476700	878400	RIVER	Green	0	3	3	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Swan Creek	13608	876700	RIVER	Rock	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
T22n, R22e, S23 Sesw	10131	89100	RIVER	Brown	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
(Denmark Creek) Taylor Creek	13605	876300	RIVER	Rock	0	6	6	04/01/2016 04/01/2016	PS/NPS PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List Proposed for List	Medium	Phosphorus Listed (5P)
Teal Lake	15519	2417000	LAKE	Sawyer	3	3	1,049	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Thunder Lake Inlet	11916	533700	RIVER	Marinette	0	1	1	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
				Jackson,										
Timber Creek	14401	1796700	RIVER	Trempealeau	0	4	4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Token Creek	5546125	806600	RIVER	Dane	10	11	2	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Tomorrow/Waupaca River	315909	257400	RIVER	Portage	33	39	6	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Tomorrow/Waupaca River	315930	257400	RIVER	Portage	39	46	7	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Tomorrow/Waupaca River Town Creek	1493981	257400	RIVER	Portage	51 0	65 4	14	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A) TMDL Needed (5A)
TOWIT CIEEK	14181	1708100	RIVER	Jackson	U	4	4	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions Recreational Restrictions -	Proposed for List	iviedium	(AC) Debenius (SA)
Trout Brook	17721	2913900	RIVER	Ashland	0	3	3	04/01/2016	PS/NPS	Fecal Coliform	Pathogens	Proposed for List	Low	TMDL Needed (5A)
Twin Lakes	128574	1623800	LAKE	Vilas		-	2,788	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Natural Conditions (5C)
Twin Valley Lake	13431	1245800	LAKE	lowa			152	04/01/2016	PS/NPS	Unknown Pollutant	Excess Algal Growth	Proposed for List	Low	TMDL Needed (5A)
Un Creek (T22n-R16e-S22)	9793	316100	RIVER	Outagamie	0	5	5	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Un Trib To Sinsinawa River	13851	941100	RIVER	Grant	0	6	6	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Un. Creek (T14n R18e Nw Ne														
27)	11261	44200	RIVER	Fond du Lac	0	6	6	04/01/2016	NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Unnamed	1524901	325000	RIVER	Shawano	0	3	3	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Unnamed Cr 17-6 (T30n, R3e,	40400	1460500	DIVED	Morothan Taul	0	4	4	04/04/2040	DC/NDC	Unknown Bellisters	Florested Water Terrandon	Droposed for List	Law	Notural Conditions (50)
S17, Nwnw, 37) Unnamed Creek (T18n, R21e,	12482	1460500	RIVER	Marathon, Taylor	0	4	4	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	Natural Conditions (5C)
S13) Trib To St. Nazianz	9889	73700	RIVER	Manitowoc	0	4	4	04/01/2016	PS/NPS	Unknown Pollutant	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)
Unnamed Creek 2065700 - at	9009	13100	INIVER	iviaiiitUWUC	J	-	+	J-1/01/2010	I O/INFO	JIMIOWII FUIUIAIII	Chronic Aquatic Toxicity, Acute	i roposeu ioi List	LOW	TWIDE NEEded (SA)
Third St	3990988	2065700	RIVER	Dunn	0	3	3	04/01/2016	NPS	Chloride	Aquatic Toxicity, Acute	Proposed for List	Low	TMDL Needed (5A)
Unnamed Creek 2-13 (T29n,					-						1	.,		
R4e, S2, Nwse, 37)	18359	1458300	RIVER	Marathon	0	3	3	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)

Imamed Timb December Dece															
Imamed Fifth to Schoenicks Schoenick								Size (Miles or						TMDL Creation	
Processed Proc	Local Waterbody Name	WATERS ID (AU)	WBIC	Water Type	County	Start Mile	End Mile	Acres)	Date Listed	Source Category	Pollutant	Impairment Indicator	Impaired Water Status	Priority	Listing/Delisting Details
Information 19	Unnamed E Trib. to Schoenick														
Imparted	Cr	5513459	321200	RIVER	Shawano	0	2	2	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Information	Unnamed Stream	5506181	449600	RIVER	Oconto	0	3	3	04/01/2016		Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Information	Unnamed Stream				Oconto	0	1	1	04/01/2016		Unknown Pollutant	Elevated Water Temperature		Low	Natural Conditions (5C)
Imamed Tib to Marengo R 570214 2919600 RIVER Bayfield 0 6 6 0.401/2016 PSNPS Fecal Coliform Pathogenes Proposed for List Low TMDL Needed (5A) Imamed Tib to S Fish Creek 5698877 2890200 RIVER Bayfield 0 7 7 7 0.401/2016 PSNPS Total Phosphorus Impairment Unknown Proposed for List Low TMDL Needed (5A) Imamed Tib to Silver Creek 5476567 14700 RIVER Fond du Lac 0 8 8 0.401/2016 NPS Total Phosphorus Impairment Unknown Proposed for List High TMDL Needed (5A) Imamed Tib to Silver Creek 5476567 14700 RIVER Fond du Lac 0 8 8 0.401/2016 NPS Total Phosphorus Impairment Unknown Proposed for List High TMDL Needed (5A)	Unnamed Stream	5500551	3000212	RIVER	Kewaunee	0			04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Infament This D Marengo R 5702214 2918600 RIVER Bayfield 0 6 6 0.401/2016 PSINPS Total Phosphorus Impaiment Unknown Proposed for List Low Phosphorus Listed (6Pb) Infament This D Silver Creek 5476569 1.46900 RIVER Green Lake 0 3 3 0.401/2016 NPS Total Phosphorus Degraded Biological Community Proposed for List High TMDL Needed (5A) Infament This D Silver Creek 5476569 1.46900 RIVER Fond du Lac 0 8 8 0.4011/2016 NPS Total Phosphorus Degraded Biological Community Proposed for List High TMDL Needed (5A) This D Silver Creek School	Unnamed Stream	5500585	3000213	RIVER	Kewaunee	0	0.38	0.38	04/01/2016	PS/NPS	Unknown Pollutant		Proposed for List	Low	TMDL Needed (5A)
Inflament This Sign Trick September Septem												Recreational Restrictions -			
Infamed Tin b Silver Creek	Unnamed Trib to Marengo R	5702214	2919600	RIVER	Bayfield	0	6	6	04/01/2016		Fecal Coliform	Pathogens	Proposed for List	Low	TMDL Needed (5A)
	Unnamed Trib to S Fish Creek	5698877	2890200	RIVER	Bayfield	0	7	7	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
	Unnamed Trib to Silver Creek	5476590	146900	RIVER	Green Lake	0	3	3	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
No.	Unnamed Trib to Silver Creek	5476567	147700	RIVER	Fond du Lac	0	8	8	04/01/2016	NPS	Total Phosphorus	Impairment Unknown	Proposed for List	High	Phosphorus Listed (5P)
Infamender Trib to W Br Shioc R 5513990 319100 RIVER Shawano 0 1 1 0.4011/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List High TMDL Needed (SA) Infamender Tributary to Silver Spring Creek 3991302 5040863 RIVER Barron 2 11 9 0.4011/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium Phosphorus Listed (SP) Infamender Tributary to Silver Spring Creek 1515436 2087300 RIVER Barron 2 11 9 0.4011/2016 PS/NPS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL Needed (SA) Medium Medium TMDL Needed (SA) Medium Medium Medium Medium TMDL Needed (SA) Medium Mediu	Unnamed Trib to Trib of S Br														
Janamed Trib to Yahara R 553982 806300 RIVER Dane 9 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (SP)	Rock R	5514082	871000	RIVER	Fond du Lac	0	5	5	04/01/2016	NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Januarie Tributary to Silver January to Si	Unnamed Trib to W Br Shioc R	5513990	319100	RIVER	Shawano	0	1	1	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	High	TMDL Needed (5A)
Spring Creek 3991302 5040863 RIVER Lafayette 0 1 1 04/01/2016 PSN/PS Total Phosphorus Degraded Biological Community Proposed for List Medium TMDL Needed (5A)	Unnamed Trib to Yahara R	5535982	806300	RIVER	Dane			9	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
	Unnamed Tributary to Silver											·			
\(\frac{\text{firight}}{\text{Lake}}\) 128371 1614100 LAKE Oneida 276 04/01/2016 Atm. Dep. Mercury Contaminated Fish Tissue Proposed for List Low Mercury Atm. Dep. (\$\frac{\text{S}}{\text{Ne}}\) (was based as a contaminated fish Tissue Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{Ne}}\) (was based as a contaminated fish Tissue Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{N}}\) (was based as a contaminated fish Tissue Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{N}}\) (was based as a contaminated fish Tissue Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{N}}\) (was based as a contaminated fish Tissue Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{N}}\) (was branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low TMDL Needed (\$\frac{\text{S}}{\text{N}}\) (bota TMDL Needed (\$\frac{\text{S}}{\text{N}	Spring Creek	3991302	5040863	RIVER	Lafayette	0	1	1	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Medium	TMDL Needed (5A)
Naupaca River 315887 257400 RIVER Waupaca 17 33 16 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Medde Creek 11069 156000 RIVER Marquette 0 5 5 04/01/2016 NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Mest Branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low TMDL Needed (5A) Mest Branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Mest Branch Milwaukee River 10117 40400 RIVER du Lac 0 21 21 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Mest Branch Milwaukee River 18750 2392000 LAKE Sawyer 786 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Mest Branch Milwaukeer Creek 11777 813900 RIVER Walworth 0 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Mest Proposed for List Low Phosphorus Listed (5P) Mest Proposed for List Low Phosphorus Listed (5P) Mest Proposed for List Low Mest Proposed for List Low TMDL Needed (5A) Mest Proposed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed for List Low TMDL Needed (5P) Mest Proposed for List Low TMDL Needed (5A) Mest Proposed	Upper Pine Creek	1515438	2087300	RIVER	Barron	2	11	9	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	Medium	TMDL Needed (5A)
Needed 11069 156000 RIVER Marquette 0 5 5 04/01/2016 NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A)	Virgin Lake	128371	1614100	LAKE	Oneida			276	04/01/2016	Atm. Dep.	Mercury	Contaminated Fish Tissue	Proposed for List	Low	Mercury Atm. Dep. (5B)
Vest Branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A)	Waupaca River	315887	257400	RIVER	Waupaca	17	33	16	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Vest Branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Dodge, Washington, Fond Value V	Wedde Creek	11069	156000	RIVER	Marquette	0	5	5	04/01/2016	NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Vest Branch Fond Du Lac River 10990 134000 RIVER Fond du Lac 0 26 26 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Dodge, Washington, Fond Washington, Fond Vest Branch Milwaukee River 10117 40400 RIVER du Lac 0 21 21 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Vest Branch Milwaukee River 18750 2392000 LAKE Sawyer 786 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Jest Branch Milwaukee River 11777 813900 RIVER Waworth 0 8 8 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Ps/NPS Total Phosphorus Mater Quality Use Restrictions Proposed for List Low TMDL Needed (5A) TMDL													•		
Dodge	West Branch Fond Du Lac River	10990	134000	RIVER	Fond du Lac	0	26	26	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List	High	TMDL Needed (5A)
Dodge															,
Dodge, Washington, Fond Wa	West Branch Fond Du Lac River	10990	134000	RIVER	Fond du Lac	0	26	26	04/01/2016	PS/NPS	Unknown Pollutant	Elevated Water Temperature	Proposed for List	Low	TMDL Needed (5A)
Value Valu					Dodge,										(- ,
Value					Washington, Fond										
Jefferson, Whitewater Creek 11777 813900 RIVER Walworth 0 8 8 04/01/2016 Point Source Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Wi-173-Lw18-978900 13489 978900 LAKE Dane, Columbia 526 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low TMDL Needed (5A) Willow Creek 10768 243700 RIVER Waushara 0 10 10 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Willow Creek (Greendale) 1454972 50740 RIVER Sheboygan 9 11 2 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL Needed (5A) Wilson Creek 18788 2066000 RIVER Dunn 0 3 3 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Water Temperature Proposed for List Medium Phosphorus Listed (5P) Water Temperature Proposed for List Medium Phosphorus Listed (5P) Water Temperature Proposed for List Medium Phosphorus Listed (5P) Water Temperature Proposed for List Medium Phosphorus Listed (5P) Water Temperature Proposed for List Water Temperature Proposed for List Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Temperature Proposed for List New TMDL Needed (5A) Water Tempera	West Branch Milwaukee River	10117	40400	RIVER	du Lac	0	21	21	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Medium	Phosphorus Listed (5P)
Jefferson, Whitewater Creek 11777 813900 RIVER Walworth 0 8 8 04/01/2016 Point Source Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Wi-173-Lw18-978900 13489 978900 LAKE Dane, Columbia 526 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low TMDL Needed (5A) TMDL Needed (5A) Willow Creek 10768 243700 RIVER Waushara 0 10 10 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) TMDL Needed (5A) Willow Creek (Greendale) 1454972 50740 RIVER Sheboygan 9 11 2 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL Needed (5A) TMDL Ne	Whitefish Lake	18750	2392000	LAKE	Sawver	-		786	04/01/2016	PS/NPS	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Whitewater Creek 11777 813900 RIVER Walworth 0 8 8 04/01/2016 Point Source Total Phosphorus Impairment Unknown Proposed for List Low Phosphorus Listed (5P) Wil-173-Lw18-978900 13489 978900 LAKE Dane, Columbia 526 04/01/2016 PS/NPS Total Phosphorus Water Quality Use Restrictions Proposed for List Low TMDL Needed (5A) Willow Creek 10768 243700 RIVER Waushara 0 10 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Wilson Creek (Greendale) 1454972 50740 RIVER Sheboygan 9 11 2 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL Needed (5A) Wilson Creek 18788 2066000 RIVER Dunn 0 3 3 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium </td <td></td> <td></td> <td></td> <td></td> <td>Jefferson.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>,</td> <td>.,</td> <td></td> <td>, ,</td>					Jefferson.							,	.,		, ,
Vi-173-Lw18-978900	Whitewater Creek	11777	813900	RIVER		0	8	8	04/01/2016	Point Source	Total Phosphorus	Impairment Unknown	Proposed for List	Low	Phosphorus Listed (5P)
Willow Creek 10768 243700 RIVER Waushara 0 10 10 10 04/01/2016 PS/NPS Unknown Pollutant Elevated Water Temperature Proposed for List Low TMDL Needed (5A) Willow Creek (Greendale) 1454972 50740 RIVER Sheboygan 9 11 2 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL Needed (5A) Willow Creek 18788 2066000 RIVER Dunn 0 3 3 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus Listed (5P) Wolf Lake 89903 241100 LAKE Portage 20 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus Listed (5P) (4hara River 5536043 798300 RIVER Dane 43 47 4 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P)	Wi-173-Lw18-978900	13489	978900	LAKE	Dane, Columbia			526	04/01/2016	PS/NPS	Total Phosphorus	Water Quality Use Restrictions	Proposed for List		
Willow Creek (Greendale) 1454972 50740 RIVER Sheboygan 9 11 2 04/01/2016 PS/NPS Unknown Pollutant Degraded Biological Community Proposed for List Low TMDL Needed (5A) Vilson Creek 18788 2066000 RIVER Dunn 0 3 3 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Volf Lake 89903 241100 LAKE Portage 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Vahara River 5536043 798300 RIVER Dane 43 47 4 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P)	Willow Creek					0	10								
Vilson Creek 18788 2066000 RIVER Dunn 0 3 3 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P) Volf Lake 899093 241100 LAKE Portage 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus Listed (5P) (rahara River 5536043 798300 RIVER Dane 43 47 4 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P)	Willow Creek (Greendale)					9									
Volf Lake 899093 241100 LAKE Portage 22 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List High Phosphorus Listed (5P) (ahara River 5536043 798300 RIVER Dane 43 47 4 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P)	Wilson Creek					0									(. ,
/ahara River 5536043 798300 RIVER Dane 43 47 4 04/01/2016 PS/NPS Total Phosphorus Impairment Unknown Proposed for List Medium Phosphorus Listed (5P)	Wolf Lake														
	Yahara River					43	47								
ellowstone River 13/11 902500 RIVER Latavette () 10 10 04/01/2016 PS/NPS Lotal Phosphorus Degraded Biological Community Proposed for List Low TMDL Needed (5A)	Yellowstone River	13711	902500	RIVER	Lafavette	0	10	10	04/01/2016	PS/NPS	Total Phosphorus	Degraded Biological Community	Proposed for List	Low	TMDL Needed (5A)

C. 2016 Proposed Delistings

	WATERS				Start	End	Size (Miles		Source			Impaired Water	
Local Waterbody Name	ID (AU)	WBIC	Water Type	County	Mile		or Acres)		Category	Pollutant	Impairment Indicator	Status	Listing/Delisting Details
Alford Park Beach, Lake Michigan	1487344	20	INLAND BEACH	Kenosha			0.23	04/01/2008	Other	E. coli	Recreational Restrictions - Pathogens	Delist	Removed: Recovery Unknown
Echo Lake (Sugar Camp Chain)	128106	1597800	LAKE	Oneida			107	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	Delist	Removed: Recovery Unknown
James Madison Park Beach	1488249	805400	INLAND BEACH	Dane			0.36	04/01/2008	NPS	E. coli	Recreational Restrictions - Pathogens	Delist	Removed: Recovery Unknown
Lake Ripley Beach	3894224	809600	INLAND BEACH	Jefferson			0.09	04/01/2012	Unknown	E. coli	Recreational Restrictions - Pathogens	Delist	Removed: Recovery Unknown
Marshall Park Beach	1488597	805400	INLAND BEACH	Dane			0.22	04/01/2014	NPS	E. coli	Recreational Restrictions - Pathogens	Delist	Removed: Recovery Unknown
Pleasant Valley Branch	13732	908500	RIVER	Dane	0	6	6	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	Delist	Removed: Water Restored
Rush Creek	13342	1240100	RIVER	Iowa	0	6	6	04/01/1998	NPS	Sediment/Total Suspended Solids	Degraded Habitat	Delist	Removed: Water Restored
Stone Lake (Sugar Camp Chain)	128309	1597600	LAKE	Oneida			188	04/01/1998	Atm. Dep.	Mercury	Contaminated Fish Tissue	Delist	Removed: Recovery Unknown
Unnamed	3991976	5032576	RIVER	Ozaukee	0	1	1	04/01/2014	NPS	Chloride	Acute Aquatic Toxicity	Delist	Removed: Listing Incorrect
Whitewater Creek	11778	813900	RIVER	Walworth	14	16	2	04/01/2012	NPS	Total Phosphorus	Impairment Unknown	Delist	Removed: Listing Incorrect