



Addressing Waters Not Meeting Water Quality Goals

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The federal Clean Water Act (CWA) requires that states identify waters not meeting water quality goals and then prioritize them for action to restore their beneficial uses¹. The resulting list of prioritized impaired waters is known as the 303(d) list. Ohio's 2020 303(d) list is available on Ohio EPA's webpage at: epa.ohio.gov/dsw/tmdl/OhioIntegratedReport#123145265-2020.

Ohio made substantial changes to its listing process in 2010 (see Sections A and J in the *2010 Integrated Report* [Ohio EPA, 2010]); Ohio's *2012 Integrated Report* and 303(d) list (Ohio EPA, 2012) contained relatively few changes compared to the major adjustments made in 2010. A significant change to the 2014 report included the addition of a new indicator (algae) to the public drinking water supply (PDWS) use. The 2016 report contained changes in how the information was organized and what data sets were used (for instance, 2015 data was included for both recreation and PDWS uses) and was amended to include new open water assessment units for Lake Erie and a new recreation assessment methodology based upon algae. In 2018, the most significant changes were to the recreation use assessments and definition of Lake Erie Assessment Units (increased from six to seven units). The assessment based on bacteria was updated to comply with the revised *E. coli* WQS which include a 90-day geometric mean and statistical threshold value (see Sections F1-F3). In addition, an assessment method for recreation based on algae for the western basin of Lake Erie was added in Section F4. The 2020 report marks the first time Ohio EPA is utilizing U.S. EPA's Assessment, Total Maximum Daily Load (TMDL) Tracking and Implementation System (ATTAINS) for report preparation and submittal. The majority of the revisions to the report narrative and format are related to the transition to ATTAINS. Assessment methods for recreation based on algae for the Sandusky and central basin open water and shoreline units are included in Section F4.

This section outlines the listing framework, lays out the prioritizing and delisting processes and results and reports on the status of Ohio total maximum daily load (TMDL) efforts including schedules for future TMDLs in Ohio.

J1. Ohio's 303(d) Listing Framework

The process of listing involves assigning a condition status (a category) for each of four beneficial uses for each assessment unit (AU). Data requirements, descriptions of available data, assessment methodologies and results were discussed and reported by individual beneficial use in Sections E, F, G and H.

In 2010, Ohio modified the five-category listing structure suggested by U.S. EPA to accommodate listing by beneficial use and introduced subcategories to give more information about the status of each water. In 2012, one additional subcategory - t - was added to aid reporting the status of AUs relative to approved TMDLs and data availability. In 2014, the "t" subcategory was altered slightly and a new category - d - was added to better reflect circumstances encountered as Ohio EPA revisits watersheds having approved TMDLs. In 2016, a new subcategory in Category 5 (5-alternative or 5-alt) was added to report on alternative restoration approaches for CWA 303(d) listed waters. Such waters will still require TMDLs until water quality standards are achieved. Ohio does not have any AUs listed under 5-alt in this report but anticipates using this subcategory in the future. In 2018, a new subcategory "p" was added under Category 5 to track which impairments are based on threatened status, primarily for nutrients.

Ohio is modifying state subcategories in 2020 by discontinuing the following: d, h, i, n, p, t, and x. With the transition to ATTAINS, it is apparent the information conveyed by these subcategories is either captured in the database through other means or is no longer useful in reporting out information on water quality. For example, alternative plans required for the use of the category 5-alt are uploaded into ATTAINS and

¹ Beneficial uses include aquatic life, human health (fish contaminants), recreation and public drinking water supply.

associated with the AU, triggering the 5-alt listing. Table J-1 summarizes the categories and subcategories used in this report.

Also, in 2010, Ohio began listing by beneficial use within each AU and reporting on a smaller AU size. Watershed AUs shifted from an average size of 130 square miles to 27 square miles. Under the old system, an impairment of one beneficial use caused the AU to be Category 5 (impaired) regardless of the status of other uses. ATAINS allows the listing by beneficial use and within each beneficial use, a listing of the specific parameters (or causes) which provides more specific and detailed information regarding AUs.

Table J-1 — Category definitions for the 2020 Integrated Report and 303(d) list.

Category		Subcategory	
1	Use attaining		
2	Available data indicate some uses attaining		
3	Use attainment unknown		
4	Impaired; TMDL not needed	A	TMDL complete
		B	Other required control measures will result in attainment of use
		C	Not a pollutant
5	Impaired; TMDL needed		

J2. Prioritizing the Impaired Waters: the 303(d) List

As previously stated, the impaired waters are identified and assigned a category by individual beneficial use in Sections E, F, G and H. After waters are identified as impaired and it is determined that a TMDL is required, the waters are prioritized to produce the 303(d) list. As part of the transition to ATAINS, Ohio EPA is modifying how impaired waters are prioritized for TMDL development. This is explained in the Inland Waters subsection below.

Lake Erie Shoreline and Open Waters

Ohio EPA is assigning a high priority to Lake Erie's western basin shoreline, western basin open water, and islands shoreline assessment units for impairments of public drinking water supply and recreation uses due to algae (see Figure J-1 below for a map of Lake Erie's assessment units). Ohio EPA is committed to work diligently with stakeholders in the development of a Maumee Watershed nutrient TMDL to address these impairments in Lake Erie and committed to provide a TMDL deliverable to U.S. EPA within two to three years.

Lake Erie's Sandusky basin shoreline, Sandusky basin open water, and central basin open water assessment units impairments for public drinking water supply use due to algae are assigned a medium priority. Ohio EPA continues to work with researchers to collect additional algae data, and work with the Great Lakes Water Quality Agreement's (GLWQA) Annex 4 – Nutrients team to determine loading influences from the western units and central basin algal bloom dynamics before beginning TMDL efforts.

Lake Erie aquatic life use assessment methodology for the shoreline assessment units is under review and under development for the open water assessment units. Lake-wide metrics are needed before Ohio EPA can proceed with a TMDL. Therefore, a medium priority is assigned to the causes of shoreline impairments.

Lake Erie recreation use assessment for bacteria (*E. coli*) requires additional data collection in the western, Sandusky, and central basin open water assessment units before Ohio EPA can proceed with a use determination and potential TMDL actions. Understanding the scope of this use in the open water units will allow the state to more completely understand this impairment. Therefore, a medium priority is assigned to the shoreline impairments.

Lake Erie human health (fish tissue) use impairment by PCBs is due to legacy contamination and there are few, if any, new sources. The GLWQA's Annex 1 – Areas of Concern (AOC) program, Annex 3 – Chemicals of Mutual Concern, U.S. Army Corps of Engineers and Port Authority dredge management activities include on-going efforts to remove PCBs from the Lake Erie ecosystem. The PCB impairments in all seven Lake Erie assessment units are assigned a medium priority for TMDL development. Ohio EPA may pursue an alternative restoration plan (5-alt plan) to address these impairments.

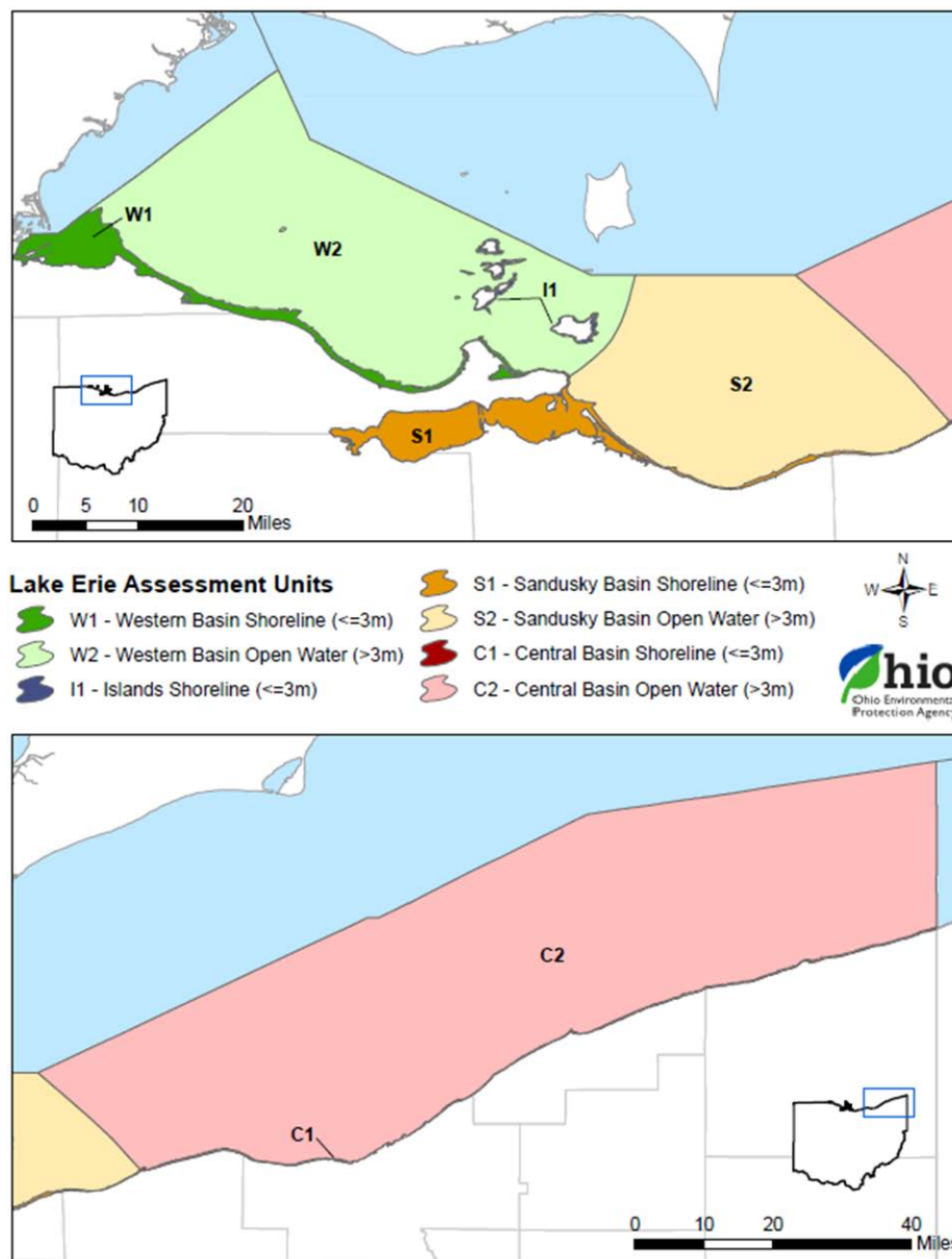


Figure J-1 Map of Lake Erie Assessment Units

Up until now, Ohio has sought to pursue the needed nutrient reductions through the GLWQA. The GLWQA is a commitment between the United States and Canada to restore and protect waters of the Great Lakes. It was first signed in 1972 and updated in 2012. There are ten Annexes to the agreement, each focusing on a

specific issue. The focus of Annex 4 is nutrients. Through this Annex, the United States and Canada agreed to:

- By 2016, develop binational substance objectives for phosphorus concentrations, loading targets, and loading allocations for Lake Erie;
- By 2018, develop binational phosphorus reduction strategies and domestic action plans to meet the objectives for phosphorus concentrations and loading targets in Lake Erie;
- Assess, develop, and implement programs to reduce phosphorus loadings from urban, rural, industrial and agricultural sources. This will include proven best management practices, along with new approaches and technologies;
- Identify priority watersheds that contribute significantly to local algae development, and develop and implement management plans to achieve phosphorus load reduction targets and controls; and
- Undertake and share research, monitoring and modeling necessary to establish, report on and assess the management of phosphorus and other nutrients and improve the understanding of relevant issues associated with nutrients and excessive algal blooms.

(binational.net/annexes/a4/)

Addressing impairments in Lake Erie's western basin through a Maumee Watershed nutrient TMDL is supported by Annex 4 Objectives and Targets Task Team Final Report, *Recommended Phosphorus Loading Targets for Lake Erie* (2015). Modeling conducted as part of the Annex 4 process has shown that that spring loading of phosphorus from the Maumee River is the determining factor in addressing harmful algal blooms in the western basin and that there should be a reduction of 40 percent in spring (March-July) loads of both total and dissolved phosphorus from the Maumee River 90% of the time. Using 2008 as a baseline spring loading season, a 40 percent reduction to the Maumee River equates to a target spring load of 860 metric tons per year of total phosphorus and 186 metric tons per year of soluble reactive phosphorus. This goal is intended to limit the formation of harmful algal blooms in nine years out of 10.

While the GLWQA has certain inherent advantages towards ensuring a coordinated approach towards nutrient reduction by all affected Great Lake States and Canada, the State of Ohio recognizes the TMDL requirements under Section 303 of the CWA as another important tool towards addressing the State's water quality goals and that these two efforts do not need to be mutually exclusive. Since our 2018 Integrated Report, Ohio EPA has been working on a methodology to distribute the Annex 4 spring target total phosphorus load from the Maumee River watershed to the smaller watershed level throughout the entire basin. This effort fits together pieces of the puzzle obtained from Annex 4 Objectives and Targets Task Team Final Report, *Recommended Phosphorus Loading Targets for Lake Erie* (2015), Ohio EPA's methodology and assessment of Ohio's Lake Erie western basin for recreation impairment due to algae (2018 Integrated Report), Ohio EPA's *Nutrient Mass Balance Study for Ohio's Major Rivers*, and U.S. EPA's *Methodology for Connecting Annex 4 Water Quality Targets with TMDLs in the Maumee River Basin*. Ohio EPA now has the necessary technical pieces to develop a Maumee Watershed TMDL report.

One key recent initiative that deserves special mention is Governor DeWine's H2Ohio Plan. H2Ohio was unveiled on November 13, 2019 by Ohio Governor Mike DeWine and is a comprehensive, data-driven water quality plan to reduce harmful algal blooms, improve wastewater infrastructure, and prevent lead contamination. The H2Ohio plan aims to achieve a 40% reduction in phosphorus runoff into the Lake Erie basin and is focused in targeted solutions to help reduce phosphorus runoff and prevent algal blooms through:

- increased implementation of agricultural best practices;
- the creation of wetlands;

- improvements in wastewater infrastructure; and
- replacing failing home septic systems.

Under Ohio's 2019 budget bill (HB 166), the Ohio General Assembly authorized \$172 million in state funding to support water quality improvements in the Lake Erie basin and other areas of the state under the plan. It is the intent to request additional state funding from the General Assembly in forthcoming budget proposals to support the long-term objectives of H2Ohio in improving water quality in the Lake Erie basin and in other areas of the state.

The H2Ohio plan was developed with input from a broad coalition of agriculture, education, research, conservation, and environmental partners. H2Ohio will be led by the Ohio Department of Agriculture, Ohio Department of Natural Resources, Ohio EPA, and Lake Erie Commission with support from the Ohio Agricultural Conservation Initiative, Ohio Farm Bureau, U.S. Department of Agriculture, and others.

To that end, with the issuance of this draft Integrated Report, Ohio EPA is proposing to move forward with a Maumee Watershed TMDL that will reduce excessive phosphorus loadings causing recreation and public drinking water supply impairments in the western basin of Lake Erie thereby harmonizing our obligations under the GLWA and the CWA. H2Ohio will serve as a key piece towards efforts to address non-point sources of pollution, which are the predominant source of the phosphorus loadings the Lake Erie from the Maumee Watershed.

Ohio River

Ohio River Valley Water Sanitation Commission (ORSANCO) has lead responsibility for the multi-jurisdictional Ohio River water quality as outlined in Section D2. Ohio EPA is actively participating in TMDLs for tributaries and mainstem sections of the Ohio River. U.S. EPA, ORSANCO and ORSANCO member states are currently working on an Ohio River Bacteria TMDL. Additional information on Ohio River TMDL's can be found on ORSANCO's website at: orsanco.org/programs/bacteria-tmdl/.

Inland Waters

In previous reports, AUs were assigned priority points via a weighted system for each of the beneficial use designation categories and then summed for total numeric priority points by AU. See Section J2 of the 2018 report for more information. Ohio is now using U.S. EPA's ATTAINS database for inland waters listing. In ATTAINS the term "parameter" replaces what Ohio has traditionally called a "cause" of impairment. ATTAINS requires Ohio to assign a narrative priority value of high, medium or low for each parameter within any beneficial use designation in an AU. Since each parameter receives its own priority, an AU can now have multiple, variable priorities assigned. Utilizing priority in this way clarifies the intent of the exercise, the states are required to assign priority to each pollutant/AU combination for TMDL development.

Ohio EPA developed its priority ranking taking into account the severity of the pollution and the uses to be made of such waters in accordance with Section 303(d)(1)(A) of the Clean Water Act and 40 Part 130.7(b)(4) of the Code of Federal Regulations. For the 2020 report, Ohio is expecting to develop TMDLs in the next two years for the AUs with parameters assigned high priority. Low priority is assigned to parameters for which TMDL development might not be the most effective tool to address the water quality impairment. For example, legacy contamination being addressed through remediation under the Superfund Program is assigned a low priority. Other parameters are assigned medium priority for TMDL development at this time. Again, this does not have any relevance to the degree of water body impairment or importance as a human health or water quality concern. For the next two years Ohio EPA is dedicated to

addressing the TMDL development backlog and may revise priority assignment in future IRs to consider a wider range of considerations in setting TMDL development goals.

Near-Term Priorities for Ohio EPA

Ohio is facing increasing problems with cyanobacteria blooms in inland lakes, including development of HABs in source waters. Many public water systems are experiencing increased treatment costs to manage the extra carbon load and cyanotoxins at their intake. The smaller conventional systems will have difficulty treating water for these problems and the expense will be very high to upgrade those plants.

In the *2014 Integrated Report*, Ohio listed waters impaired by algal toxins for the first time. In the 2016 report, more waters are listed, especially lakes and reservoirs. To emphasize protection of the public drinking water supply beneficial use from HABs, Ohio is making inland lakes used for public water supply a focus for the next several years for improving water quality through TMDLs or other approaches.

Based on a review of the inland lakes or reservoirs that were listed as impaired or on the Watch List for algae indicators in the 2014 Integrated Report, as well as the more recent data collected for algae at PDWS with intakes in inland lakes or reservoirs that led to the 303(d) listing in the 2016 report, the following inland lakes were chosen as Ohio's priorities for the next few years:

- Tappan Lake in Harrison county (upper Little Stillwater Creek)
- W.H. Harsha Lake in Clermont County (Lucy Run - East Fork Little Miami River)
- Clyde/Beaver Creek Reservoir in Seneca County (Beaver Creek, Green Creek)

The impairments (or watch list parameters) cited include nitrate, pesticides and algae indicators. Where there is a TMDL developed, it is older and/or does not include the stream reaches that most impact the lake/reservoir. In most cases, there are active local parties interested and/or there is a sizable population served by these sources. Ohio EPA considers reducing nutrients causing eutrophication (primarily phosphorus as the TMDL parameter) to be the priority for the inland lake efforts. However, the cause of impairment in more than one area also includes pesticides and/or nitrates, so other pollutants may be added to the TMDL or alternative plan. These waters were listed on the 303(d) Priority list in Section L4 of the 2018 report as follows (greater the priority point values means greater the priority):

2018 IR Category							
AU Number	AU Name	Sq. Mi. in Ohio	Human Health	Recreation	Aquatic Life	PDW Supply	Priority Points
05040001 15 03	Upper Little Stillwater Creek	29.72	1	1	3	5	5
05090202 12 03	Lucy Run-East Fork Little Miami River	32.48	1	1	5	5	7
04100011 12 02	Beaver Creek	29.3	3i	4Ah	4A	5	5
04100011 12 03	Green Creek	30.78	1	5	4A	5	9

While these AUs did not have the highest priority points, the AUs with higher priority points that included a PDWS impairment already had a TMDL under development or were likely to be addressed through other means such as the Great Lakes Water Quality Agreement Annex 4 nutrient reduction efforts discussed in J3.

Tappan Lake

The following outlines key features of Tappan Lake:

- Stillwater Creek basin – primarily forest with mining influences.
- 2,350 acres of water surface.
- Provides drinking water to the Village of Cadiz (pop. ~ 3,350).
- Lake is operated by the U.S. Army Corp of Engineers. It is a multipurpose project for flood reduction, recreation and fish and wildlife enhancement.
- Assessed by Ohio EPA in 2012-2013 and did not meet the draft lake habitat use criteria.
- *2014 Integrated Report* listed the lake as impaired for PDWS based on algae indicators (microcystin).
- Figure J-2 shows a map of the lake's watershed that includes its stream assessment sites.

2018 IR Update

The Tappan Lake Nutrient Reduction Initiative (TLNRI) was formed at the end of 2017 by the Muskingum Watershed Conservancy District and the Village of Cadiz. TLNRI's goal is to eliminate the presence of harmful algal blooms and their resultant water-borne toxins in Tappan Lake within the next decade. The TLNRI has outlined the following steps toward achieving their goal:

- Phase 1: Comprehensive study of existing water quality data for the watershed and identification of gaps (year one)
- Phase 2: Collection of data to fill gaps, evaluation and selection of remedial actions for the watershed (years two through four)
- Phase 3: Implementation of action plan for the watershed (years five through 10)

Ohio EPA is an active partner in the initiative and will provide support through participation in the four subgroups. The Stillwater Creek watershed is a high priority project for either a TMDL or an alternative plan. The Agency will continue to participate in the TLNRI efforts and determine which approach is most appropriate as that work unfolds.

2020 IR Update

Phase 1 of the TLNRI has been completed. Existing water quality data for the watershed are available on the following webpage for review and analysis: watersheddata.com/map/map.aspx?WaterShed=TL1. The TLNRI is currently in phase 2.

In addition, Ohio EPA has completed step three in the TMDL development process for the Stillwater Creek watershed. The draft Loading Analysis Plan (LAP) was released for public comment on October 22, 2019. The final LAP is available here: epa.ohio.gov/dsw/tmdl/MuskingumRiver#120886319-supplemental-information. Although the LAP does not address impairments in Tappan Lake, it does provide a road map to addressing water quality impairments in the upstream watershed. Ohio EPA's Division of Surface Water and Division of Drinking and Ground Waters are collaborating to determine if the Village of Cadiz's source water protection plan and harmful algal bloom cyanotoxin general plan can be the foundation for an alternative restoration plan and meet the requirements of U.S. EPA's Category 5-alt guidance.

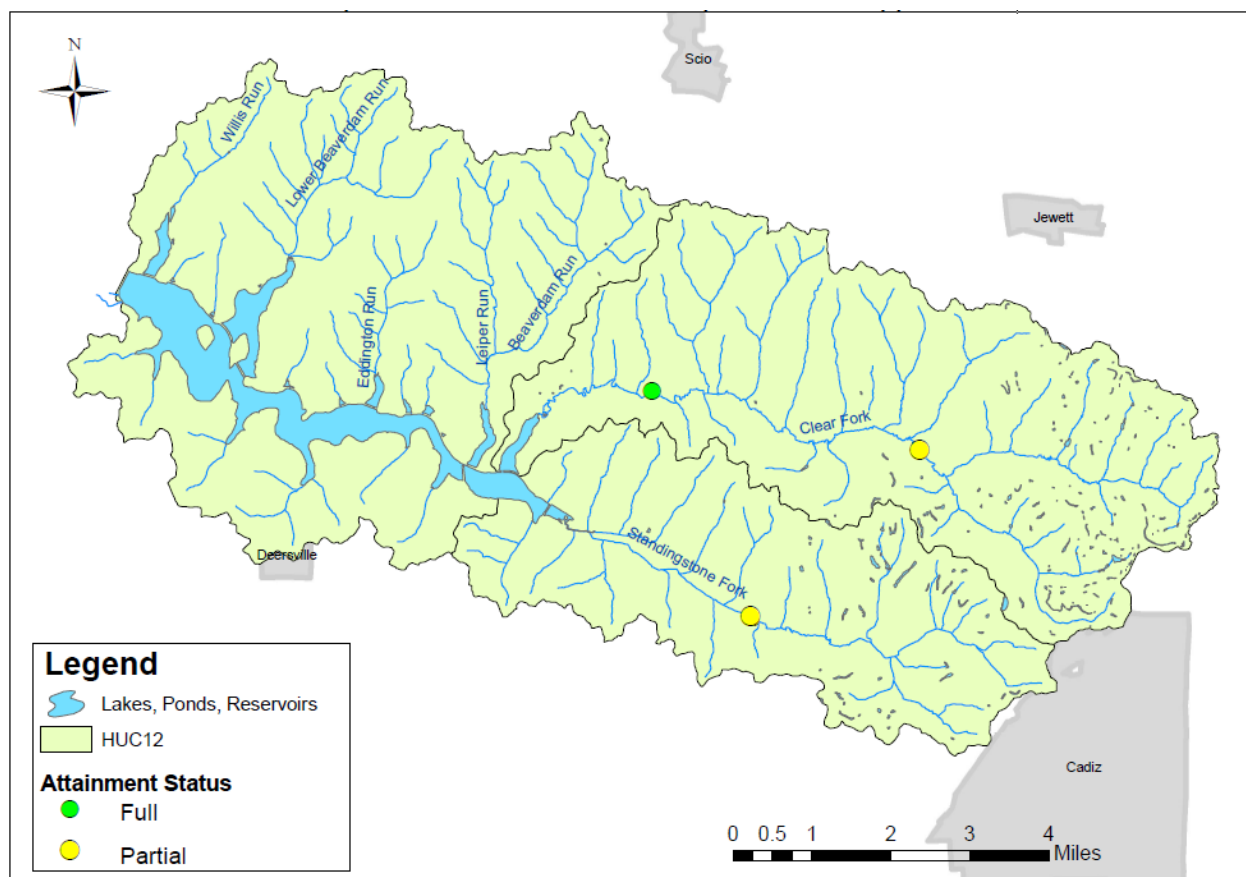


Figure J-2 — Watershed upstream from Tappan Lake and attainment status of sites from 2012 Stillwater River survey.

William H. Harsha Lake

The following outlines key features of Harsha Lake:

- Located in the East Fork of the Little Miami River watershed – largely agriculture and forest with some urban influence.
- 2,160 acres of water surface.
- Lake is operated by the U.S. Army Corp of Engineers and is a multipurpose project for flood reduction, water supply, recreation and wildlife habitat.
- *2014 Integrated Report* listed the lake as impaired for PDWS based on algae indicators (microcystin) and placed it on the watch list for atrazine.
- Figure J-3 shows a map of the lake's watershed that includes its stream assessment sites.

From the *Ohio EPA East Fork Little Miami River Technical Support Document, 2014*:

- Clermont County operates a community public water system that serves a population of approximately 117,097 people. The water supply sells water to the village of Batavia, village of Williamsburg and New Richmond Robin-Grays water system. Clermont County operates two ground water plants and one surface water plant. The BMW surface water plant draws water from an intake structure on Harsha (East Fork) Lake. The system's treatment capacity is approximately 27.5 million gallons per day, but current average production is 12.5 million gallons per day.
- There are several environmental organizations active in the East Fork Little Miami River watershed. The oldest of these is Little Miami Incorporated (LMI) which has been active for 45

years. Most of LMI's activities have involved the purchase of conservation easements or property purchases in the riparian zone of the river. Clermont County and SWCDs in Clermont, Brown, Highland and Clinton counties formed the East Fork Watershed Collaborative to take advantage of ODNR's Watershed Coordinator Program.

- Several research projects have been initiated in the East Fork watershed and Harsha Lake by U.S. EPA's National Exposure Research Laboratory in Cincinnati and the U. S. Army Corps of Engineers. Among other topics research and monitoring are examining HABs and nutrients, impacts on the Clermont County water intake, carbon sequestration, methane release, nutrient trading, environmental tipping points and fish population genetics. Currently, seven different projects are conducting monitoring in Harsha Lake.

2018 IR Update

The East Fork Watershed Cooperative, formed in 2001, continues to be active in addressing water quality issues in the East Fork Little Miami River watershed. The Cooperative is in the process of updating watershed action plans into Nine Element Nonpoint Source Implementation Strategy Plans. The first updated plan for the Fivemile Creek HUC 12, approved by Ohio EPA on July 31, 2017, is located upstream of Harsha Lake. The East Fork Little Miami River watershed is a high priority TMDL project for TMDL development. The Agency plans to initiate the next steps in the TMDL development process by the 2020 IR.

2020 IR Update

Ohio EPA is in the process of drafting step three in the TMDL development process for the East Fork Little Miami River watershed and Harsha Lake. The plan will be available here:

epa.ohio.gov/dsw/tmdl/LittleMiamiRiver#118225928-supplemental-information

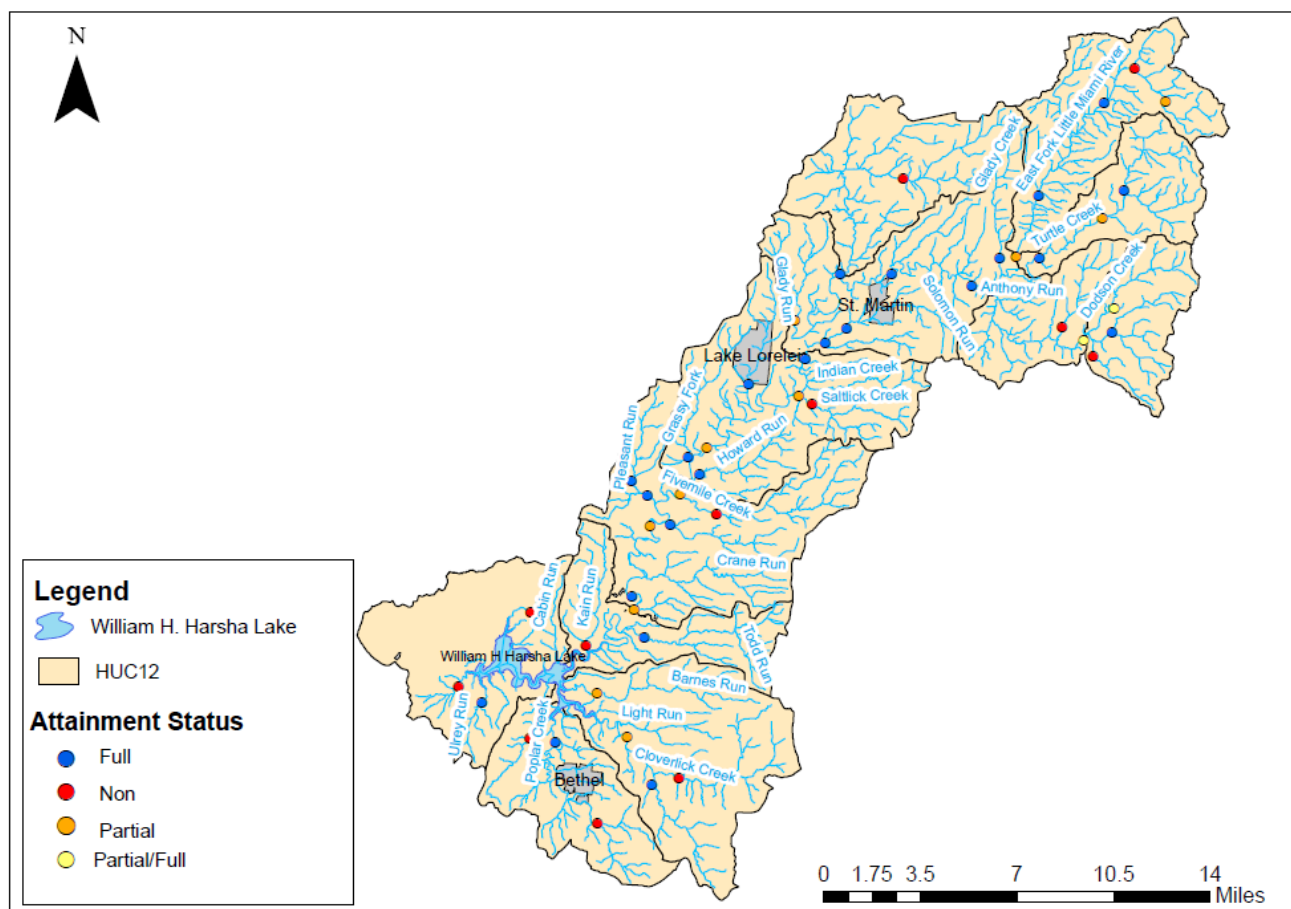


Figure J-3 — Watershed upstream from Harsha Lake and the attainment status of sites from the 2012 East Fork Little Miami River survey.

Clyde/Beaver Creek Reservoir (up-ground)

The following outlines key features of Clyde/Beaver Creek Reservoir:

- Sandusky river watershed - primarily agricultural land use above reservoir.
- 110 acres of water surface.
- Provides drinking water to the City of Clyde (pop. ~6,320).
- Reservoir was assessed by Ohio EPA in 2009-2010 and did not meet the draft lake habitat use criteria.
- *2014 Integrated Report* placed the lake on the watch list for PDWS use based on algae indicators (microcystin) and nitrates. In the *2016 Integrated Report* it was listed as impaired for PDWS use based on algae indicators.
- The Raccoon Creek reservoir that also serves the City of Clyde is filled with water from Beaver Creek. The Raccoon creek reservoir was listed in the 2014 IR as impaired for PDWS based on algae indicators (microcystin).
- A TMDL for the lower Sandusky River was completed by Ohio EPA and approved by U.S. EPA but did not set specific loads for Beaver Creek since the stream was not listed as impaired.
- Figure J-4 shows a map of the reservoir's watershed that includes its stream assessment sites.

2018 IR Update

Sampling of Raccoon Creek reservoir was completed in 2016 and 2017 as part of Ohio EPA's inland lakes sampling program. The results of this sampling will be included in the 2020 IR and will be used to direct the next steps in the restoration process for this watershed.

2020 IR Update

The results of Raccoon Creek reservoir sampling can be found in Section I.3 of this report. Since June 2016, all of the City of Clyde public water supply compliance microcystins data have been non-detect at the raw and finished water sample points.

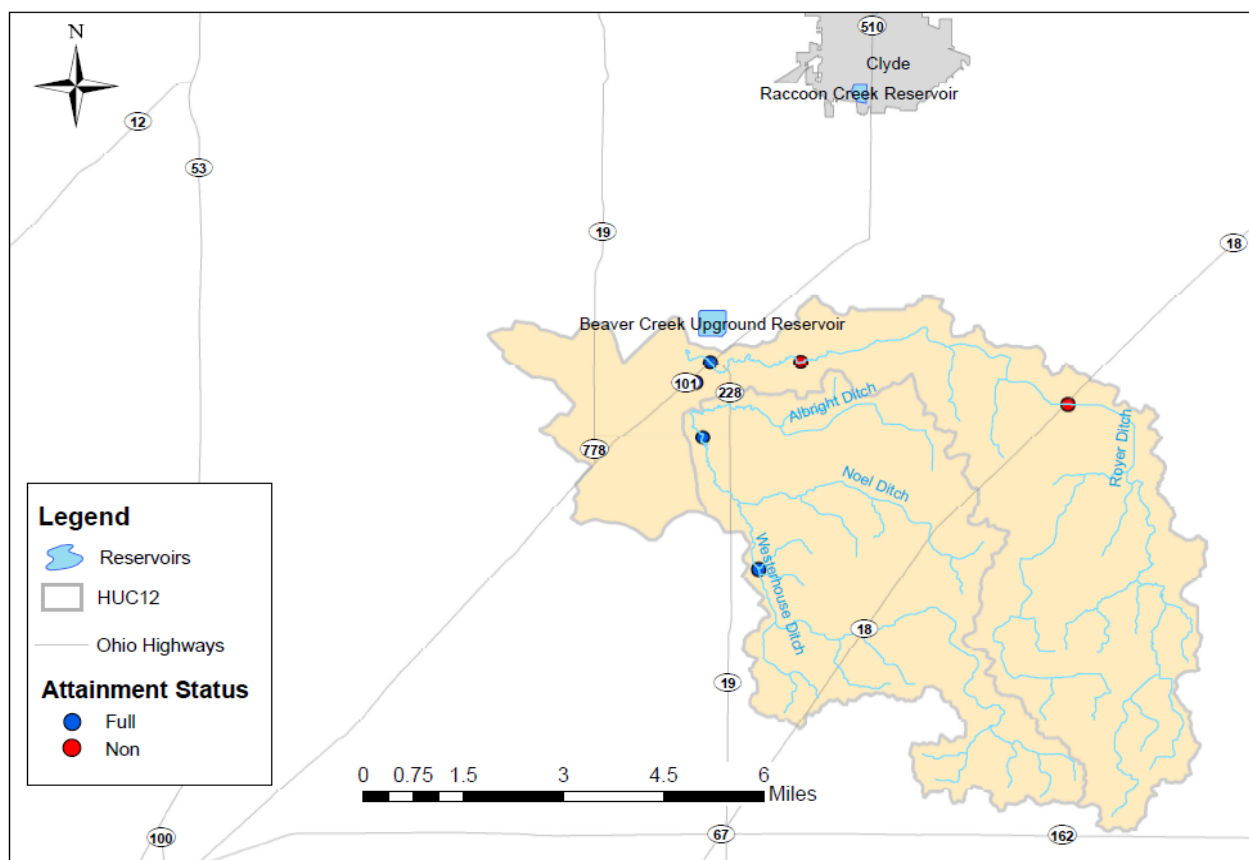


Figure J-4 — Watershed contributing to Beaver Creek Reservoir and the attainment status of sites sampled in 2009.

J3. Addressing Nutrients in Lake Erie

Currently, there are many parallel planning and management efforts ongoing at the state, federal and binational level addressing nutrient delivery reduction to Lake Erie. Effective lake management and coordinated implementation are needed to address the Western Basin of Lake Erie algal blooms and the Central Basin hypoxia issues, requiring a multi-state and binational effort.

In addition to the Maumee Watershed TMDL and H2Ohio Plan implementation discussed in Section J2 above, Ohio will continue to work to address its contribution to the problems in Lake Erie through activities including:

- GLWQA efforts, including Annex 4 - Nutrients
- Ohio Domestic Action Plan
- TMDLs for Lake Erie Watershed

Great Lakes Water Quality Agreement

Binationally, the U.S. and Canada are working together under the GLWQA to develop nutrient reduction strategies; and create and implement action plans to meet the targets. Annex 4 of the 2012 GLWQA specifically addresses nutrients in the Great Lakes and contains short-term requirements specific for Lake Erie. The U.S. and Canada formally adopted new phosphorus targets for the western and central basins of Lake Erie in February 2016. These targets have been incorporated into Ohio's Domestic Action Plan and are the goals for all the state's efforts to reduce phosphorus loading to the lake.

Annex 2 of the GLWQA provides the framework for long-term binational management of the lake. A comprehensive LAMP has been developed for Lake Erie and is the binational platform where whole lake management plans are developed, implemented and tracked. Ohio is a key partner in the binational partnership. For example, Annex 2 calls for creation of a new nearshore framework and the binational partnership will be responsible for implementing the framework and reporting on progress. It is also expected that the nutrient targets from Annex 4 will be incorporated in the next version of the lake-wide management plans. Working through the binational partnership is critical for developing a coordinated approach with consistent reporting across the borders.

Ohio's Domestic Action Plan for Lake Erie

The State of Ohio's Domestic Action Plan expanded upon the *Collaborative Implementation Plan* (see below) and was submitted to U.S. EPA on Feb. 7, 2018. The commitment to meet the Collaborative Agreement phosphorus reduction goals of 20 percent by 2020 and 40 percent by 2025 was also incorporated into this plan. The plan is not intended to static but to be revised following the adaptive management philosophy. An updated DAP version 1.1 was submitted to U.S. EPA on August 31, 2018. The State is currently working on another update with a draft released for public comment in January 2020. New action items included in the draft focus on:

- Establishing science-based priorities for agricultural best management practices and state programs to support H2Ohio efforts to encourage farmers to implement scientifically backed best practices;
- The importance of wetland restoration and outlining ODNR efforts to create, restore, and enhance wetlands for nutrient reduction as part of H2Ohio;
- Updated actions for communities including H2Ohio support for home sewage treatment system remediation;
- Integrating the role of watershed planning at the local level for siting projects to reduce nutrients efficiently, including a distribution of the load reduction throughout the Maumee River watershed based on an augmentation to Ohio EPA's Nutrient Mass Balance method (lakeerie.ohio.gov/LakeEriePlanning/OhioDomesticActionPlan2018.aspx).

Lake Erie Collaborative Agreement

The Lake Erie Collaborative Agreement was another state/province led-initiative; it was signed in June 2015 by Ohio, Michigan and Ontario (cglslgp.org/media/1590/western-basin-of-lake-erie-collaborative-agreement-6-13-15.pdf). The three parties in the agreement are supportive of the binational Annex 4 effort but recognize that immediate actions can be implemented at the state and provincial levels. In order to get a head start on the Annex 4 process and hasten efforts to improve water quality in Lake Erie, Ohio released a draft *Collaborative Implementation Plan* in June 2016. One of the goals spelled out in the Collaborative Agreement was to reduce nutrient levels going into Lake Erie by 40 percent. The other was to develop a strategic plan to manage dredge material to ensure it complies with the state's commitment to stop open lake disposal of dredge material into Lake Erie by 2020. The GLWQA does

not contain timeframes for implementation and restoration goals, but Ohio is working to meet the Collaborative Agreement phosphorus reduction goals of 20 percent by 2020 and 40 percent by 2025.

TMDLs for Lake Erie Watershed

TMDLs are conducted by the state or federal governments as required under the CWA for waters that have been formally identified as impaired. TMDLs use monitoring and modeling to identify where load reductions and restoration actions are needed. Ohio EPA plans to continue utilizing this tool to target implementation in Ohio's Lake Erie watersheds.

Ohio has completed TMDL reports for 22 of 32 project areas (watersheds) draining to Lake Erie and work on the remaining 10 watersheds is underway by Ohio EPA. All of these TMDLs employ the State's narrative water quality (WQ) criteria for nutrients and algae and have established phosphorus targets and methods to address near-field impacts on rivers and streams.

Throughout 2017 and 2018, Ohio worked with U.S. EPA, Tetrattech (a contractor), Indiana and Michigan to develop a method for setting load reduction goals for the smaller tributaries to Lake Erie (for example, the tributaries to the Maumee river) and evaluate whether the tributary TMDLs will provide the load reductions needed to protect the lake. This project identified that local, near-field nutrient TMDLs do limit nutrients, however just for specific localized impaired areas. Since these TMDLs were only developed to address the near-field impairments, allocating for additional nutrient reductions to address Lake Erie's algal blooms were outside the scope of these projects. The report concluded that the near-field impairments (and TMDLs) were not abundant enough to meet Lake Erie's nutrient reduction goals. The project's report did suggest Maumee River sub-basin targets that sum up to meet the Annex 4 loading goals (epa.gov/tmdl/methodology-connecting-annex-4-water-quality-targets-tmdls-maumee-river-basin). Some results from this project have been used for the 2020 draft Domestic Action Plan's load reduction distribution work and will be used to help develop the methods of Ohio EPA's Maumee Watershed TMDL as mentioned above in Section J2.

Ohio-based Nutrient Reduction Efforts

Recognizing that Ohio's watersheds provide a significant amount of nutrients to Lake Erie and that its communities are bearing the brunt of algal bloom impacts, Ohio launched a series of initiatives at the state level beginning in 2010 and has expanded the scope and scale of implementation, developed a statewide strategy, targeted funding and undertaken legislative action to address the problem. Most recently, as noted in Section J2 above, Governor Mike DeWine unveiled the H2Ohio Plan, a comprehensive, data-driven water quality plan to reduce harmful algal blooms, improve wastewater infrastructure, and prevent lead contamination. Under Ohio House Bill 166, the Ohio General Assembly authorized \$172 million to support water quality improvements in the Lake Erie basin and other areas of the state. Initial funding for best management practices to prevent nutrient runoff from farms will be in the Maumee River watershed.

As part of the more than \$3 billion Ohio has previously invested comprehensively in the Lake Erie watershed, more than \$150 million was made available starting in 2014 to help to public water systems keep drinking water safe and wastewater facilities reduce the amount of phosphorus they discharge into the Lake Erie watershed. In addition, Ohio targeted millions of dollars to support local health departments to find and fix faulty residential septic systems that are contributing nutrients to Ohio waters.

The following is a list of several state-led and statewide water quality improvement activities previously identified in past Integrated Reports.

- GLRI Demonstration and Nutrient Reduction Projects — For example, nine grants totaling more than \$13.9 million were awarded to Ohio. Highlights include: installation of the first two saturated buffers installed in Ohio; installation of approximately 70 controlled drainage structures; development of 52 whole farm conservation plans; planting of more than 9,000 acres of cover crops; installation and planting of 50 acres of reconstructed or restored wetlands; restoration of 3,500 linear feet of stream and 500 feet of streambank stabilization; installation of 4,400 feet of two-stage ditches; installation of rain gardens and vegetated infiltration basins in the Toledo area; and completion of 29 storm water, wetland and stream restoration projects in Cuyahoga County.
- Ohio Clean Lakes Initiative — The Ohio General Assembly provided more than \$3.5 million for projects to reduce nutrient runoff in the Western Lake Erie Basin.
- Healthy Lake Erie Initiative — The Ohio General Assembly provided \$10 million to the Healthy Lake Erie Initiative to reduce the open lake placement of dredge material into Lake Erie. These sediments often contain high levels of nutrients or other contaminants so finding alternative use or disposal options is a priority.
- Ohio EPA's *NPS Management Plan* - Agency's guiding document that outlines recommended strategies, goals and objectives for controlling nonpoint sources of water quality impairment. The Plan was most recently updated in 2014 and identifies specific management activities to be implemented by Ohio EPA's NPS management program. The most current version of Ohio's *NPS Management Plan* is available at epa.ohio.gov/Portals/35/nps/NPS_Mgmt_Plan.pdf.
- Statewide Nutrient Reduction Strategy — Ohio's environmental, agricultural and natural resource agencies worked together to create a statewide strategy to reduce nutrient loading to streams and lakes, including Lake Erie. The strategy was submitted to U.S. EPA Region 5 in 2013. Ohio EPA updated the strategy in 2015 to address gaps identified through U.S. EPA's review. The strategy and more information about the effort are available at epa.ohio.gov/dsw/wqs/NutrientReduction.aspx.
- Ohio Senate Bill 1 — This bill, effective July 3, 2015, requires major public-owned treatment works (POTWs) to conduct technical and financial capability studies to achieve 1.0 mg/L total phosphorus; establishes regulations for fertilizer or manure application for persons in the western basin²; designates the director of Ohio EPA as coordinator of harmful algae management and response and requires the director to implement actions that protect against cyanobacteria in the western basin and public water supplies; prohibits the director of Ohio EPA from issuing permits for sludge management that allow placement of sewage sludge on frozen ground; and prohibits the deposit of dredged material in Lake Erie on or after July 1, 2020, with some exceptions.
- Ohio Senate Bill 150 — This bill, effective Aug. 21, 2014, requires, among other things, that beginning Sept. 31, 2017, fertilizer applicators must be certified and educated on the handling and application of fertilizer; and authorizes a person who owns or operates agricultural land to develop a voluntary nutrient management plan or request that one be developed for him or her.
- Ohio HB 64 — This bill, effective June 30, 2015, required the development of a biennial report by spring 2016 on mass loading of nutrients delivered to Lake Erie and the Ohio River from Ohio's

² "Western basin" is defined in this Senate Bill as consisting of the following 11 watersheds: Ottawa watershed, HUC 04100001; River Raisin watershed, HUC 04100002; St. Joseph watershed, HUC 04100003; St. Mary's watershed, HUC 04100004; Upper Maumee watershed, HUC 04100005; Tiffin watershed, HUC 04100006; Auglaize watershed, HUC 04100007; Blanchard watershed, HUC 04100008; Lower Maumee watershed, HUC 04100009; Cedar-Portage watershed, HUC 04100010; and Sandusky watershed, HUC 04100011.

point and nonpoint sources. A summary of the bill is available at

legislature.ohio.gov/legislation/legislation-summary?id=GA131-HB-64.

- **Directors' Agricultural Nutrients and Water Quality Working Group** — This is a collaborative working group that consists of participants from Ohio EPA, ODA and ODNR. The group's report contains several recommendations to be implemented during the next several years. For example, the report recommends ways for farmers to better manage fertilizers and animal manure and provides the state with the means to assist farmers in the development of nutrient management plans and to exert more regulatory authority over the farmers who are not following the rules. The report is available at agri.ohio.gov/topnews/waterquality/docs/FINAL_REPORT_03-09-12.pdf.
- **Ohio Lake Erie Phosphorus Task Force Phase 2** — The Task Force, which includes participants from Ohio EPA, ODA and ODNR, originally met back in 2009 and was brought back together in 2012 to build on its previous work and make recommendations for improving water quality in the Lake Erie watershed. The taskforce finalized the latest report in 2014 and it is available at lakeerie.ohio.gov/Portals/0/Reports/Task_Force_Report_October_2013.pdf.
- **Ohio Point Source and Urban Runoff Workgroup** — Businesses, municipalities and Ohio EPA came together to initiate the Point Source and Urban Runoff Workgroup in 2012 to identify actions that can be taken immediately to reduce phosphorus loadings from WWTPs, industrial discharges and urban storm water. The group's full report is available at epa.ohio.gov/portals/35/documents/point_source_workgroup_report.pdf.

J4. Summary of Results

The consolidated results of the 2020 analysis are shown in Table J-2 and Table J-3.

Table J-2 — Summary of results for human health, recreation and public drinking water supply beneficial uses

	Human Health (fish tissue)	Recreation	Public Drinking Water Supply
Not being used for PDWS	-	-	1435
Attains	242	159	32
Insufficient information	56	38	35
Not assessed	810	170	-
Impaired	430	1171	36
Total watersheds considered	1538	1538	1538
Not being used for PDWS	-	-	29
Attains	6	3	0
Insufficient information	0	1	
Not assessed	0	2	4
Impaired	32	32	5
Total large rivers considered	38	38	38
Not being used for PDWS	-	-	1
Attains	0	0	0
Insufficient information	0	0	
Not assessed	0	2	0
Impaired	7	5	6
Total Lake Erie considered	7	7	7

Table J-3 — Summary of results for aquatic life beneficial use

Aquatic Life Use	Attains	Insufficient Information	Not assessed	Impaired
Watershed Assessment Units				
Warmwater Habitat	437	21	71	818
Exceptional Warmwater Habitat	151	2	12	92
Modified Warmwater Habitat – Channel Modification	83	6	1	95
Modified Warmwater Habitat – Mine Effected	3			6
Modified Warmwater Habitat - Impounded	4			3
Limited Resource Waters	11	1	4	30
Coldwater Habitat	130	2	1	35
Exceptional Warmwater Habitat/Coldwater Habitat	53		1	8
Warmwater Habitat/Coldwater Habitat				2
Warmwater Habitat/Seasonal Salmonid Habitat				1
Seasonal Salmonid Habitat	1			
Large River Assessment Units				
Warmwater Habitat	12			18
Exceptional Warmwater Habitat	9			5
Modified Warmwater Habitat - Impounded	3			2
Limited Resource Waters	1			
Seasonal Salmonid Habitat	1			
Lake Erie Assessment Units				
Exceptional Warmwater Habitat			3	4

J5. Changes for the 2020 303(d) List

Federal regulations require a demonstration of good cause for not including water bodies on the Section 303(d) list that were included on previous 303(d) lists (40 CFR 130.7(b)(6)(iv)). Over time, U.S. EPA has modified the wording of reasons for delisting in guidance (U.S. EPA 2005, 2006, 2009, 2011, 2013) to be used in preparing this report. Ohio is delisting 342 parameters based on one of these reasons:

- Applicable WQS attained, due to restoration activities
- Applicable WQS attained; based on new data
- Applicable WQS attained; original basis for listing was incorrect
- Clarification of listing cause
- Not caused by a pollutant (4c)

Table J-4 summarizes the parameters removed from the 2020 303(d) list.

Table J-4 — Parameters delisted and delisting reason

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041000010308	Sibley Creek-Ottawa River	Habitat alterations	Not caused by a pollutant (4c)
OH041000030301	Nettle Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000030303	Eagle Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000040102	Center Branch	Habitat alterations	Not caused by a pollutant (4c)
OH041000040103	East Branch	Habitat alterations	Not caused by a pollutant (4c)
OH041000040104	Kopp Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000040106	Fourmile Creek-Saint Marys River	Habitat alterations	Not caused by a pollutant (4c)
OH041000040202	Eightmile Creek	Flow regime modification	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041000040204	Twelvemile Creek	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH041000040301	Little Black Creek	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH041000040303	Yankee Run-Saint Marys River	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH041000050204	Gordon Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000050208	Snooks Run-Maumee River	Flow regime modification	Applicable WQS attained; original basis for listing was incorrect
OH041000060204	Mill Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH041000070102	Blackhoof Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000070105	Dry Run-Auglaize River	Habitat alterations	Not caused by a pollutant (4c)
OH041000070306	Lima Reservoir-Ottawa River	Other anthropogenic substrate alterations	Not caused by a pollutant (4c)
OH041000070306	Lima Reservoir-Ottawa River	Habitat alterations	Not caused by a pollutant (4c)
OH041000070402	Dug Run-Ottawa River	Fish passage barrier	Not caused by a pollutant (4c)
OH041000071205	Wildcat Creek-Flatrock Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000071207	Little Flatrock Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000090701	Ai Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000090701	Ai Creek	Nitrate/nitrite (nitrite + nitrate as N)	Applicable WQS attained; based on new data
OH041000090701	Ai Creek	Phosphorus, total	Applicable WQS attained; based on new data
OH041000090702	Fewless Creek-Swan Creek	Physical substrate habitat alterations	Applicable WQS attained; based on new data
OH041000090702	Fewless Creek-Swan Creek	Sulfate	Applicable WQS attained; based on new data
OH041000090702	Fewless Creek-Swan Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000090702	Fewless Creek-Swan Creek	Nitrate/nitrite (nitrite + nitrate as N)	Applicable WQS attained; based on new data
OH041000090703	Gale Run-Swan Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000090703	Gale Run-Swan Creek	Nitrate/nitrite (nitrite + nitrate as N)	Applicable WQS attained; based on new data
OH041000090703	Gale Run-Swan Creek	Sedimentation/siltation	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Aluminum	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Chromium in sediment	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Copper in sediment	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Mercury in sediment	Applicable WQS attained; based on new data

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041000090802	Lower Blue Creek	Nitrate/nitrite (nitrite + nitrate as N)	Applicable WQS attained; based on new data
OH041000090802	Lower Blue Creek	Sedimentation/siltation	Applicable WQS attained; based on new data
OH041000090803	Wolf Creek	Aluminum	Applicable WQS attained; based on new data
OH041000090803	Wolf Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000090803	Wolf Creek	Polycyclic aromatic hydrocarbons (PAHs) (aquatic ecosystems)	Applicable WQS attained; based on new data
OH041000090803	Wolf Creek	Sedimentation/siltation	Applicable WQS attained; based on new data
OH041000090804	Heilman Ditch-Swan Creek	Lead	Applicable WQS attained; based on new data
OH041000090804	Heilman Ditch-Swan Creek	Copper	Applicable WQS attained; based on new data
OH041000090804	Heilman Ditch-Swan Creek	Dieldrin	Applicable WQS attained; based on new data
OH041000090904	Delaware Creek-Maumee River	Sedimentation/siltation	Applicable WQS attained; original basis for listing was incorrect
OH041000090904	Delaware Creek-Maumee River	Nitrate/nitrite (nitrite + nitrate as N)	Applicable WQS attained; based on new data
OH041000090904	Delaware Creek-Maumee River	Phosphorus, total	Applicable WQS attained; based on new data
OH041000090904	Delaware Creek-Maumee River	Flow regime modification	Applicable WQS attained; based on new data
OH041000100301	North Branch Portage River	Habitat alterations	Not caused by a pollutant (4c)
OH041000100602	Packer Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000100603	Lower Toussaint Creek	Organic enrichment	Applicable WQS attained; based on new data
OH041000100603	Lower Toussaint Creek	Cause unknown	Clarification of listing cause
OH041000100603	Lower Toussaint Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041000100701	Turtle Creek-Frontal Lake Erie	Total dissolved solids (TDS)	Applicable WQS attained; based on new data
OH041000100703	Cedar Creek-Frontal Lake Erie	Phosphorus, total	Applicable WQS attained; based on new data
OH041000100703	Cedar Creek-Frontal Lake Erie	Ammonia	Applicable WQS attained; based on new data
OH041000100703	Cedar Creek-Frontal Lake Erie	Organic enrichment	Applicable WQS attained; based on new data
OH041000100703	Cedar Creek-Frontal Lake Erie	Dissolved oxygen	Applicable WQS attained; based on new data
OH041000100705	Berger Ditch	Organic enrichment	Applicable WQS attained; based on new data
OH041000100705	Berger Ditch	Phosphorus, total	Applicable WQS attained; based on new data
OH041000110204	Racoon Creek-Frontal Sandusky Bay	Habitat alterations	Not caused by a pollutant (4c)
OH041000110703	Negro Run	Habitat alterations	Not caused by a pollutant (4c)
OH041000110903	Greasy Run-Sycamore Creek	Habitat alterations	Not caused by a pollutant (4c)

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041000110905	Mile Run-Sandusky River	Habitat alterations	Not caused by a pollutant (4c)
OH041000111101	Rock Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000120101	Clear Creek-Vermilion River	Habitat alterations	Not caused by a pollutant (4c)
OH041000120104	New London Upground Reservoir-Vermilion River	Habitat alterations	Not caused by a pollutant (4c)
OH041000120105	Indian Creek-Vermilion River	Habitat alterations	Not caused by a pollutant (4c)
OH041000120301	Sugar Creek-Frontal Lake Erie	Habitat alterations	Not caused by a pollutant (4c)
OH041000120504	Seymour Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041000120505	Town of Kimball	Habitat alterations	Applicable WQS attained; original basis for listing was incorrect
OH041000120505	Town of Kimball	Cause unknown	Applicable WQS attained; original basis for listing was incorrect
OH041100010102	North Branch West Branch Rocky River	Habitat alterations	Not caused by a pollutant (4c)
OH041100010103	Headwaters West Branch Rocky River	Habitat alterations	Not caused by a pollutant (4c)
OH041100010107	Plum Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100010107	Plum Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH041100010202	Baldwin Creek-East Branch Rocky River	Fish passage barrier	Not caused by a pollutant (4c)
OH041100010202	Baldwin Creek-East Branch Rocky River	Sedimentation/siltation	Not caused by a pollutant (4c)
OH041100010203	Rocky River	Fish passage barrier	Not caused by a pollutant (4c)
OH041100010601	French Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100010603	Heider Ditch-Frontal Lake Erie	Habitat alterations	Not caused by a pollutant (4c)
OH041100010703	Quarry Creek-Frontal Lake Erie	Habitat alterations	Not caused by a pollutant (4c)
OH041100020101	East Branch Reservoir-East Branch Cuyahoga River	Habitat alterations	Applicable WQS attained; based on new data
OH041100020101	East Branch Reservoir-East Branch Cuyahoga River	Natural limits	Applicable WQS attained; based on new data
OH041100020101	East Branch Reservoir-East Branch Cuyahoga River	Organic enrichment	Applicable WQS attained; based on new data
OH041100020101	East Branch Reservoir-East Branch Cuyahoga River	Siltation	Applicable WQS attained; based on new data
OH041100020101	East Branch Reservoir-East Branch Cuyahoga River	Flow regime modification	Applicable WQS attained; based on new data
OH041100020102	West Branch Cuyahoga River	Flow regime modification	Applicable WQS attained; based on new data
OH041100020102	West Branch Cuyahoga River	Habitat alterations	Applicable WQS attained; based on new data
OH041100020102	West Branch Cuyahoga River	Natural limits	Applicable WQS attained; based on new data
OH041100020102	West Branch Cuyahoga River	Organic enrichment	Applicable WQS attained; based on new data
OH041100020102	West Branch Cuyahoga River	Siltation	Applicable WQS attained; based on new data
OH041100020104	Ladue Reservoir-Bridge Creek	Flow regime modification	Applicable WQS attained; based on new data
OH041100020104	Ladue Reservoir-Bridge Creek	PCBs in fish tissue	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041100020104	Ladue Reservoir-Bridge Creek	Siltation	Applicable WQS attained; based on new data
OH041100020104	Ladue Reservoir-Bridge Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041100020104	Ladue Reservoir-Bridge Creek	Organic enrichment	Applicable WQS attained; based on new data
OH041100020106	Sawyer Brook-Cuyahoga River	Habitat alterations	Applicable WQS attained; based on new data
OH041100020106	Sawyer Brook-Cuyahoga River	Natural limits	Applicable WQS attained; based on new data
OH041100020106	Sawyer Brook-Cuyahoga River	Flow regime modification	Applicable WQS attained; based on new data
OH041100020106	Sawyer Brook-Cuyahoga River	Organic enrichment	Applicable WQS attained; based on new data
OH041100020106	Sawyer Brook-Cuyahoga River	Siltation	Applicable WQS attained; based on new data
OH041100020201	Potter Creek-Breakneck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100020202	Feeder Canal-Breakneck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100020302	Mogadore Reservoir-Little Cuyahoga River	Habitat alterations	Not caused by a pollutant (4c)
OH041100020402	Yellow Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100020403	Furnace Run	Sedimentation/siltation	Applicable WQS attained; based on new data
OH041100020403	Furnace Run	Physical substrate habitat alterations	Applicable WQS attained; based on new data
OH041100020403	Furnace Run	Flow regime modification	Applicable WQS attained; based on new data
OH041100020403	Furnace Run	Total dissolved solids (TDS)	Applicable WQS attained; based on new data
OH041100020501	Pond Brook	Habitat alterations	Not caused by a pollutant (4c)
OH041100020502	Headwaters Tinkers Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100020503	Headwaters Chippewa Creek	Flow regime modification	Applicable WQS attained; based on new data
OH041100020503	Headwaters Chippewa Creek	Organic enrichment	Applicable WQS attained; based on new data
OH041100020503	Headwaters Chippewa Creek	Natural limits	Applicable WQS attained; based on new data
OH041100020503	Headwaters Chippewa Creek	Nutrients	Applicable WQS attained; based on new data
OH041100020503	Headwaters Chippewa Creek	Oil and grease	Applicable WQS attained; based on new data
OH041100020503	Headwaters Chippewa Creek	Habitat alterations	Applicable WQS attained; based on new data
OH041100020504	Town of Twinsburg-Tinkers Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100020505	Willow Lake-Cuyahoga River	Habitat alterations	Applicable WQS attained; based on new data
OH041100020505	Willow Lake-Cuyahoga River	Flow regime modification	Applicable WQS attained; based on new data
OH041100020505	Willow Lake-Cuyahoga River	Natural limits	Applicable WQS attained; based on new data
OH041100020505	Willow Lake-Cuyahoga River	Nutrients	Applicable WQS attained; based on new data

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH041100020505	Willow Lake-Cuyahoga River	Cause unknown	Applicable WQS attained; based on new data
OH041100020505	Willow Lake-Cuyahoga River	Oil and grease	Applicable WQS attained; based on new data
OH041100020505	Willow Lake-Cuyahoga River	Organic enrichment	Applicable WQS attained; based on new data
OH041100020602	Village of Independence-Cuyahoga River	Escherichia coli (<i>e. Coli</i>)	Applicable WQS attained; based on new data
OH041100030105	Lower Ashtabula River	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH041100030105	Lower Ashtabula River	Habitat alterations	Not caused by a pollutant (4c)
OH041100030203	Arcola Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100030302	Headwaters Aurora Branch	Fish passage barrier	Not caused by a pollutant (4c)
OH041100030402	Griswold Creek-Chagrin River	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH041100030503	Euclid Creek	Habitat alterations	Not caused by a pollutant (4c)
OH041100030504	Doan Brook-Frontal Lake Erie	Habitat alterations	Not caused by a pollutant (4c)
OH041201010703	Town of North Kingsville-Frontal Lake Erie	Habitat alterations	Not caused by a pollutant (4c)
OH050301010401	East Branch Middle Fork Little Beaver Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301010601	Longs Run	Habitat alterations	Not caused by a pollutant (4c)
OH050301010602	Honey Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301010605	Headwaters Bull Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301010606	Leslie Run-Bull Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301010804	Hollow Rock Run-Yellow Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301011103	Carpenter Run-Ohio River	Habitat alterations	Not caused by a pollutant (4c)
OH050301020602	Little Yankee Run	Habitat alterations	Not caused by a pollutant (4c)
OH050301030503	Lower Mosquito Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301030503	Lower Mosquito Creek	Pollutants in urban storm water	Applicable WQS attained; original basis for listing was incorrect
OH050301030601	Duck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301030602	Mud Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301030602	Mud Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050301030703	Lower Meander Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301030704	Squaw Creek	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH050301030704	Squaw Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050301030801	Headwaters Mill Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050301030805	Headwaters Yellow Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050301030806	Burgess Run-Yellow Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050301030809	Coffee Run-Mahoning River	Fish passage barrier	Not caused by a pollutant (4c)
OH050302010804	Paw Paw Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050302020201	Headwaters West Branch Shade River	Manganese	Clarification of listing cause
OH050302020202	Kingsbury Creek	Manganese	Clarification of listing cause
OH050302020205	Walker Run-West Branch Shade River	Manganese	Clarification of listing cause
OH050302020404	Forked Run-Ohio River	Natural limits	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050302020702	Mud Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050302020902	Campaign Creek	Manganese	Clarification of listing cause
OH050302040103	Clark Run-Rush Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050302040405	Buck Run-Hocking River	Cause unknown	Applicable WQS attained; based on new data
OH050400010102	Pigeon Creek	Natural limits	Applicable WQS attained; based on new data
OH050400010102	Pigeon Creek	Habitat alterations	Applicable WQS attained; based on new data
OH050400010102	Pigeon Creek	Organic enrichment	Applicable WQS attained; based on new data
OH050400010102	Pigeon Creek	Siltation	Applicable WQS attained; based on new data
OH050400010102	Pigeon Creek	Flow regime modification	Applicable WQS attained; based on new data
OH050400010105	Portage Lakes-Tuscarawas River	Cause unknown	Applicable WQS attained; original basis for listing was incorrect
OH050400010202	Hubbard Creek-Chippewa Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010301	Pancake Creek-Tuscarawas River	Habitat alterations	Not caused by a pollutant (4c)
OH050400010301	Pancake Creek-Tuscarawas River	Hexachlorobenzene	Applicable WQS attained; based on new data
OH050400010302	Nimisila Reservoir-Nimisila Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010309	West Sippo Creek-Tuscarawas River	Cause unknown	Clarification of listing cause
OH050400010501	Swartz Ditch-Middle Branch Nimishillen Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010505	Sherrick Run-Nimishillen Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010506	Town of East Sparta-Nimishillen Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010701	Headwaters Upper Conotton Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010801	Cold Spring Run-Indian Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400010802	Pleasant Valley Run-Indian Fork	Ammonia	Applicable WQS attained; original basis for listing was incorrect
OH050400010804	Huff Run	Specific conductivity	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
OH050400010805	Dog Run-Conotton Creek	Specific conductivity	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
OH050400010901	Little Sugar Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010902	Town of Smithville-Sugar Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010903	North Fork Sugar Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400010904	Town of Brewster-Sugar Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400011203	Wolf Creek-Tuscarawas River	Siltation	Applicable WQS attained; original basis for listing was incorrect
OH050400011203	Wolf Creek-Tuscarawas River	Metals	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050400011203	Wolf Creek-Tuscarawas River	pH	Applicable WQS attained; original basis for listing was incorrect
OH050400011301	Spencer Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400011505	Lower Little Stillwater Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400011603	Weaver Run-Stillwater Creek	Aluminum	Applicable WQS attained; original basis for listing was incorrect
OH050400011604	Town of Uhrichsville-Stillwater Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400011604	Town of Uhrichsville-Stillwater Creek	Dissolved oxygen	Applicable WQS attained; original basis for listing was incorrect
OH050400011702	Oldtown Creek	Flow regime modification	Applicable WQS attained; based on new data
OH050400011702	Oldtown Creek	Habitat alterations	Applicable WQS attained; based on new data
OH050400011702	Oldtown Creek	Organic enrichment	Applicable WQS attained; based on new data
OH050400011702	Oldtown Creek	Siltation	Applicable WQS attained; based on new data
OH050400011703	Beaverdam Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400011903	White Eyes Creek	Ammonia	Applicable WQS attained; based on new data
OH050400011903	White Eyes Creek	Cause unknown	Applicable WQS attained; based on new data
OH050400011903	White Eyes Creek	Nutrients	Applicable WQS attained; based on new data
OH050400011904	Morgan Run-Tuscarawas River	Nutrients	Applicable WQS attained; original basis for listing was incorrect
OH050400011904	Morgan Run-Tuscarawas River	Cause unknown	Applicable WQS attained; original basis for listing was incorrect
OH050400011904	Morgan Run-Tuscarawas River	Ammonia	Applicable WQS attained; original basis for listing was incorrect
OH050400020102	Headwaters Black Fork Mohican River	Habitat alterations	Not caused by a pollutant (4c)
OH050400020105	Shipp Creek-Black Fork Mohican River	Habitat alterations	Not caused by a pollutant (4c)
OH050400020201	Village of Pavonia-Black Fork Mohican River	Habitat alterations	Not caused by a pollutant (4c)
OH050400020203	Headwaters Rocky Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400020303	Town of Lexington-Clear Fork Mohican River	Habitat alterations	Not caused by a pollutant (4c)
OH050400020702	Mohicanville Dam-Lake Fork Mohican River	Habitat alterations	Not caused by a pollutant (4c)
OH050400020802	Town of Perrysville-Black Fork Mohican River	PCBs in fish tissue	Applicable WQS attained; original basis for listing was incorrect
OH050400020803	Big Run-Black Fork Mohican River	PCBs in fish tissue	Applicable WQS attained; original basis for listing was incorrect
OH050400030304	Delano Run-Kokosing River	PCBs in fish tissue	Applicable WQS attained; based on new data

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050400030601	Little Apple Creek	Habitat alterations	Applicable WQS attained; original basis for listing was incorrect
OH050400030604	Jennings Ditch-Killbuck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400030705	Shrimplin Creek-Killbuck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400040102	Winding Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400040103	Brushy Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400040201	Black Run-Wakatomika Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400040202	Mill Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400040203	Little Wakatomika Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400040204	Town of Fazeysburg-Wakatomika Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400040801	Brush Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050400040803	Duncan Run-Muskingum River	Physical substrate habitat alterations	Not caused by a pollutant (4c)
OH050400040902	Headwaters South Branch Wolf Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400040903	Plumb Run-South Branch Wolf Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400041105	Congress Run-Muskingum River	Habitat alterations	Not caused by a pollutant (4c)
OH050400050102	Beaver Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400050202	Headwaters Collins Fork	Specific conductivity	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
OH050400050205	Crane Run-Buffalo Fork	Specific conductivity	Data and/or information lacking to determine WQ status; original basis for listing was incorrect
OH050400050207	Trail Run-Wills Creek	Sedimentation/siltation	Applicable WQS attained; original basis for listing was incorrect
OH050400050402	Headwaters Salt Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050400050502	Headwaters Crooked Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050400050502	Headwaters Crooked Creek	Sedimentation/siltation	Applicable WQS attained; original basis for listing was incorrect
OH050400050602	Twomile Run-Wills Creek	Sedimentation/siltation	Not caused by a pollutant (4c)
OH050400060101	Otter Fork Licking River	Habitat alterations	Not caused by a pollutant (4c)
OH050400060302	Lobdell Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600010102	Headwaters Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600010202	McDonald Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600010203	Dudley Run-Rush Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600010301	Rock Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050600010302	Headwaters Little Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600010303	City of Marion-Little Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600010304	Honey Creek-Little Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600010404	Wildcat Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600010504	Fulton Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600010602	Middle Mill Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600011203	Indian Run	Habitat alterations	Not caused by a pollutant (4c)
OH050600011502	City of Gahanna-Big Walnut Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600011504	Town of Brice-Blacklick Creek	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050600011704	Sycamore Creek	Total dissolved solids (TDS)	Applicable WQS attained; based on new data
OH050600012002	Proctor Run-Treacle Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600012004	Spring Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050600012005	Barron Creek-Little Darby Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600012302	Kian Run-Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600012303	Grant Run-Scioto River	Fish passage barrier	Not caused by a pollutant (4c)
OH050600020406	Blackwater Creek-Scioto River	Habitat alterations	Not caused by a pollutant (4c)
OH050600021406	Beech Fork-South Fork Scioto Brush Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600021503	Jaybird Branch-Scioto Brush Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050600030301	Wilson Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050800011101	Mud Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050800011805	Rock Run-Mad River	Habitat alterations	Not caused by a pollutant (4c)
OH050800012004	Pleasant Run-Honey Creek	Physical substrate habitat alterations	Not caused by a pollutant (4c)
OH050800020602	Little Four Mile Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050800020604	Acton Lake Dam-Four Mile Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050800020704	Dicks Creek	Physical substrate habitat alterations	Not caused by a pollutant (4c)
OH050800030808	Howard Creek-Dry Fork Whitewater River	Dissolved oxygen	Applicable WQS attained; based on new data
OH050800030808	Howard Creek-Dry Fork Whitewater River	Nutrients	Applicable WQS attained; based on new data
OH050901010202	West Branch Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010203	Brushy Fork	Alteration in stream-side or littoral vegetative covers	Applicable WQS attained; original basis for listing was incorrect
OH050901010203	Brushy Fork	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010204	Twomile Run-Raccoon Creek	Alteration in stream-side or littoral vegetative covers	Applicable WQS attained; original basis for listing was incorrect
OH050901010204	Twomile Run-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010205	Town of Zaleski-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010301	Hewett Fork	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010301	Hewett Fork	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH050901010302	Headwaters Elk Fork	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050901010303	Flat Run-Elk Fork	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010304	Flat Run-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010304	Flat Run-Raccoon Creek	Alteration in stream-side or littoral vegetative covers	Not caused by a pollutant (4c)
OH050901010401	Headwaters Little Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010402	Dickason Run	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010403	Meadow Run-Little Raccoon Creek	Aluminum	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010403	Meadow Run-Little Raccoon Creek	Nutrients	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Organic enrichment	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	pH	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Iron	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Nickel	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Salinity/total dissolved solids/chlorides	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Sedimentation/siltation	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Habitat alterations	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Metals	Applicable WQS attained, due to restoration activities
OH050901010403	Meadow Run-Little Raccoon Creek	Thermal modifications	Applicable WQS attained, due to restoration activities
OH050901010404	Deer Creek-Little Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010502	Strong's Run	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010503	Flatlick Run-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010504	Robinson Run-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OH050901010605	Claylick Run-Raccoon Creek	Coarse sediment	Applicable WQS attained; original basis for listing was incorrect
OH050901010802	Black Fork	Fish passage barrier	Applicable WQS attained; original basis for listing was incorrect
OH050902010303	Baker Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050902010701	Headwaters West Fork Eagle Creek	Phosphorus, total	Applicable WQS attained; original basis for listing was incorrect
OH050902020102	North Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902020201	North Fork Massies Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050902020301	Headwaters Anderson Fork	Fish passage barrier	Not caused by a pollutant (4c)
OH050902020301	Headwaters Anderson Fork	Habitat alterations	Not caused by a pollutant (4c)
OH050902021003	Headwaters Dodson Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050902021005	West Fork East Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902021006	Glady Creek-East Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902021101	Solomon Run-East Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902021102	Fivemile Creek-East Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902021305	Salt Run-East Fork Little Miami River	Habitat alterations	Not caused by a pollutant (4c)
OH050902021401	Sycamore Creek	Fish passage barrier	Not caused by a pollutant (4c)
OH050902021401	Sycamore Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050902021404	Duck Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050902030102	West Fork Mill Creek	Habitat alterations	Not caused by a pollutant (4c)
OH050902030202	Dry Creek-Ohio River	Habitat alterations	Not caused by a pollutant (4c)
OH051201010101	Headwaters Wabash River	Habitat alterations	Not caused by a pollutant (4c)
OH051201010102	Stoney Creek-Wabash River	Habitat alterations	Not caused by a pollutant (4c)
OH051201010103	Toti Creek-Wabash River	Habitat alterations	Not caused by a pollutant (4c)
OH051201010501	Hickory Branch-Wabash River	Habitat alterations	Not caused by a pollutant (4c)
OH051201030101	Little Mississinewa River	Habitat alterations	Not caused by a pollutant (4c)
OH051201030102	Gray Branch-Mississinewa River	Habitat alterations	Not caused by a pollutant (4c)
OH051201030103	Jordan Creek-Mississinewa River	Habitat alterations	Not caused by a pollutant (4c)
OHLE041202000101	Lake Erie Islands Shoreline (<=3m)	Habitat alterations	Not caused by a pollutant (4c)
OHLE041202000202	Lake Erie Sandusky Basin Shoreline (<=3m)	Habitat alterations	Not caused by a pollutant (4c)
OHLE041202000203	Lake Erie Central Basin Shoreline (<=3m)	Habitat alterations	Not caused by a pollutant (4c)
OHLR041000099002	Maumee River Mainstem (Beaver Creek to Maumee Bay)	Habitat alterations	Not caused by a pollutant (4c)
OHLR041100029001	Cuyahoga River Mainstem (Brandywine Cr. to mouth); including old channel	Habitat alterations	Not caused by a pollutant (4c)
OHLR041100029001	Cuyahoga River Mainstem (Brandywine Cr. to mouth); including old channel	Ammonia	Applicable WQS attained; based on new data
OHLR041100029001	Cuyahoga River Mainstem (Brandywine Cr. to mouth); including old channel	Organic enrichment	Applicable WQS attained; based on new data

Assessment Unit	Assessment Unit Name	Parameter Name	Delisting Reason
OHLR041100029001	Cuyahoga River Mainstem (Brandywine Cr. to mouth); including old channel	Pollutants in urban storm water	Applicable WQS attained; based on new data
OHLR041100029001	Cuyahoga River Mainstem (Brandywine Cr. to mouth); including old channel	Toxicity	Applicable WQS attained; based on new data
OHLR050301039001	Mahoning River Mainstem (Eagle Creek to Pennsylvania Border)	Habitat alterations	Not caused by a pollutant (4c)
OHLR050301039001	Mahoning River Mainstem (Eagle Creek to Pennsylvania Border)	Sedimentation/siltation	Not caused by a pollutant (4c)
OHLR050400019003	Tuscarawas River Mainstem (Stillwater Creek to Muskingum River)	Hexachlorobenzene	Applicable WQS attained; based on new data
OHLR050600019001	Scioto River Mainstem (L. Scioto R. to Olentangy R.); excluding O'Shaughnessy and Griggs reservoirs	Habitat alterations	Not caused by a pollutant (4c)
OHLR050800019001	Great Miami River Mainstem (Tawawa Creek to Mad River)	Habitat alterations	Not caused by a pollutant (4c)
OHLR050800019002	Stillwater River Mainstem (Greenville Creek to mouth)	Sedimentation/siltation	Applicable WQS attained; original basis for listing was incorrect

J6. Schedule for TMDL Work

Once waters are assessed and the impaired waters are prioritized, the next step is to determine a schedule to address the monitoring needs of all waters and restoration needs (including TMDLs) of the impaired ones. Various factors must be considered, including Ohio's ongoing TMDL work; the process identified to do TMDLs; the monitoring strategy; and the resources available for the work.

Over the past few years, TMDL projects transitioned from the old HUC 11-scale watersheds to the new, smaller HUC 12-scale watersheds. Through 2009, TMDLs were completed using the HUC 11-scale AUs. Projects submitted for approval after April 1, 2010, reflect the new HUC 12-size units.

Ohio TMDL Status

Ohio EPA is currently working on numerous projects in various stages of TMDL development. Ohio EPA has approved TMDL reports in about 50 project areas. As of 2017, Ohio has assessed all our significant watershed areas using our current survey approach. Table J-5 summarizes Ohio TMDL reports approved by U.S. EPA at the 11-digit HUC level. Table J-6 summarizes Ohio TMDL reports approved by U.S. EPA at the 12-digit HUC level. It must be noted that the 2015 Ohio Supreme Court decision resulted in a delay of TMDLs submitted for approval by Ohio EPA, as discussed in Section C of this report.

Long-Term Schedules for Monitoring and TMDLs

Ohio's rotating basin approach provides a foundation for scheduling monitoring and TMDL projects. The assessment methodology allows that, generally, aquatic life use monitoring data up to 10 years old may be considered in judging AUs, so it follows that each AU must be monitored at least once every 10 years to maintain coverage. However, resources to maintain this pace are no longer available — cycling through the entire basin rotation would take about 20 years at current resource levels. The delays caused by the 2015 Ohio Supreme Court Decision³ and the workload resulting from the legislative changes to the process have

³ March 2015 in *Fairfield Cty. Bd. of Commrs. v. Nally*, 143 Ohio St. 3d 93, 2015-Ohio-991, the Ohio Supreme Court determined that "A TMDL established by Ohio EPA pursuant to the Clean Water Act is a rule that is subject to the requirements of R.C. Chapter 119, the Ohio Administrative Procedure Act."

also resulted in a larger backlog of TMDL reports. Fewer new assessments were conducted in 2018 and 2019.

In early 2019, Ohio EPA began the process of updating the aquatic life monitoring strategy with goal of cycling through the basin rotation faster with current resources. Staff devised an updated strategy consisting of a two-pronged approach. The first prong of the approach reconfigures project areas into 37 watershed groupings as depicted in Figure J-1. These project areas will be assessed through the rotating basin approach approximately every 12 years. The second prong of the approach introduces a method to better estimate statewide water quality trends through probabilistic surveys. Ohio EPA held an outreach event in July 2019 to solicit feedback on the strategy. The Agency continues to review comments submitted by stakeholders. As such, the Agency is only including scheduled water quality monitoring for the next two years in this report.

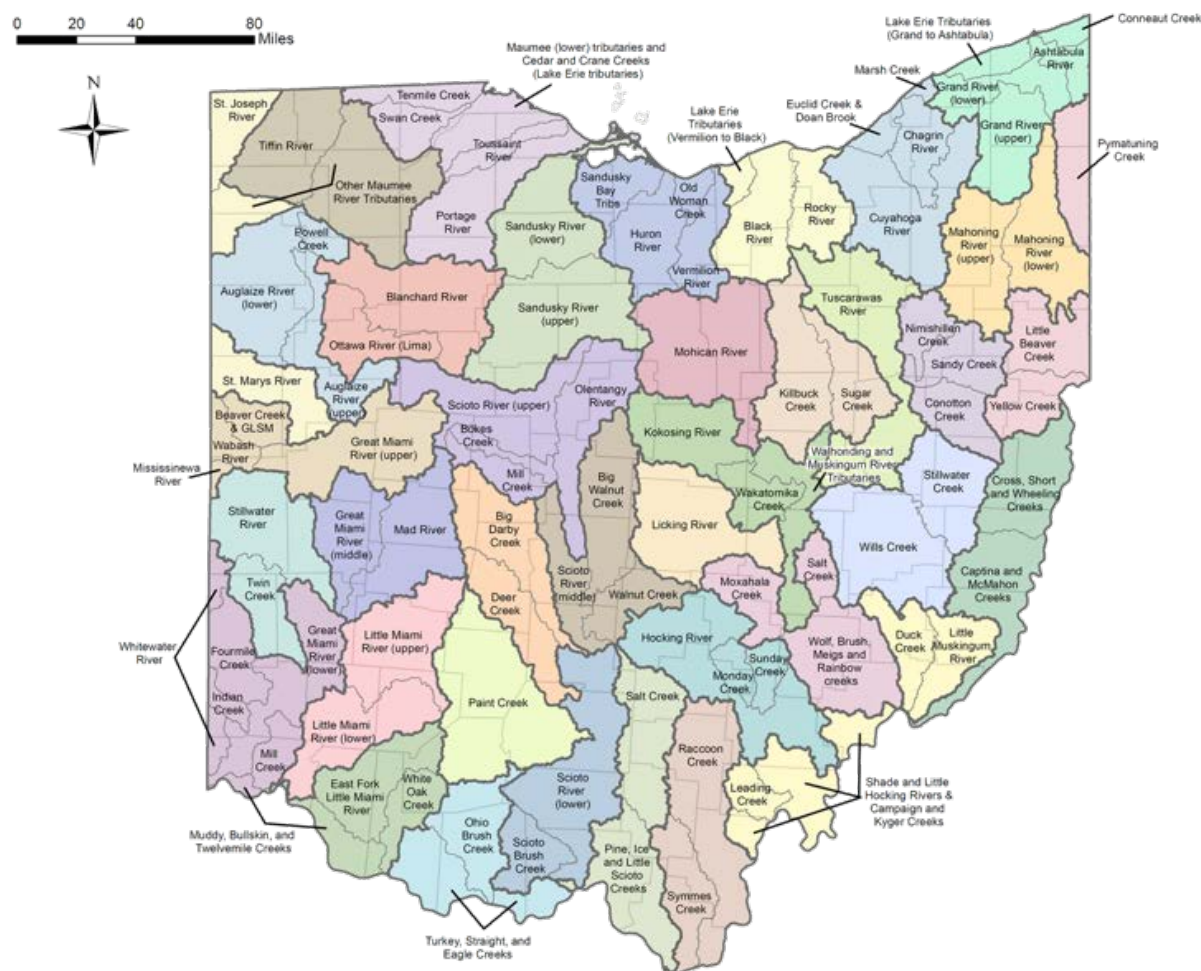


Figure J-1 — New Rotating Basin Project Areas.

2020 Monitoring

In 2020, Ohio EPA will be conducting water quality monitoring in all 23 large rivers throughout the state (38 large river assessment units) and the new Beaver Creek, Grand Lake St. Marys, Mississinewa River, Wabash River and upper Great Miami River watersheds project area.

2021 Monitoring

In 2021, Ohio EPA will be monitoring the following new project areas: Sandusky River (upper and lower); Pymatuning Creek, Little Beaver Creek and Yellow Creek; Hocking River, Sunday Creek and Monday Creek; middle Great Miami River and Mad River.

Short-Term Schedule for TMDL Development

Ohio EPA evaluated the pending TMDL projects and plans to focus on the following projects during the next two years, which are indicated in Table J-7, Table J-8 and Table J-9. Because Ohio's TMDL process begins with a watershed assessment, all TMDLs to be completed in the next two years are already well in progress. In addition, the Agency is committed to restoring water quality and will be exploring other alternatives to this end in both the short- and long-term, as outlined in the 303(d) Vision discussion in Section C7 of this report.

Table J-5 — Ohio TMDLs⁴ approved by U.S. EPA at the 11-digit hydrologic unit scale.

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁵
04110002 020	Cuyahoga River (below Black Brook to below Breakneck Creek)	10/11/2000	dissolved oxygen
04110002 030	Cuyahoga River (below Breakneck Creek to below Little Cuyahoga River)		
04110001 070	Rocky River (below West Br. to Lake Erie [including East Br.] and Lake Erie tribs [above Porter Cr to above Cuyahoga R]): Plum Creek	12/04/2001	phosphorus, nitrogen
05090202 010	Little Miami River (headwaters to above Massies Creek)	07/02/2002 05/13/2003	phosphorus, sediment
05090202 020	Little Miami River (above Massies Creek to below Beaver Creek)		
05090202 030	Little Miami River (below Beaver Creek of above Caesar Creek)		
05090202 040	Anderson Fork Caesar Creek		
05090202 050	Caesar Creek (except Anderson Fork)	09/27/2002 07/31/2003	phosphorus, sediment
05060001 060	Bokes Creek (Scioto River above Bokes Creek to above Mill Creek)		
05040001 100	Sugar Creek (headwaters to above Middle Fork Sugar Creek)	11/20/2002 07/08/2003	phosphorus, nitrogen, sediment
05040001 110	South Fork Sugar Creek		
05040001 120	Sugar Creek (upstream Middle Fork to mouth)		
05090101 020	Raccoon Creek (headwaters to above Hewett Fork)	3/20/2003	pH (acid), metals
05090101 030	Raccoon Creek (above Hewett Fork to below Elk Fork)		
05060001 070	Mill Creek (Scioto River basin)	9/02/2003	CBOD, ammonia, phosphorus, sediment, aldrin, d- BHC, dieldrin, endosulfan, endrin, heptachlor
05030201 110	East Fork Duck Creek	9/23/2003	TSS, aluminum, iron, manganese, BOD, ammonia
05030201 120	Duck Creek (except East Fork)		
04110002 040	Cuyahoga River (below Little Cuyahoga River to below Brandywine Creek)	9/26/2003	fecal coliform, phosphorus
04110002 050	Cuyahoga River (below Brandywine Creek to below Tinkers Creek)		
04110002 060	Cuyahoga River (below Tinkers Creek to Lake Erie)		
04110002	Cuyahoga River (mainstem)		
05080001 090	Stillwater River (headwaters to above Swamp Creek)	06/15/2004	nitrates, phosphorus
05080001 100	Stillwater River (above Swamp Creek to above Greenville Creek)		
05080001 110	Greenville Creek (headwaters to below West Branch)		
05080001 120	Greenville Creek (below West Branch to Stillwater River)		
05080001 130	Stillwater River (below Greenville Creek to above Ludlow Creek)		
05080001 140	Stillwater River (above Ludlow Creek to Great Miami River)		
05080001	Stillwater River (mainstem)		
04100007 010	Auglaize River (headwaters to below Pusheta Creek)	09/23/2004	

⁴ One or more AUs may be included in a TMDL report; the determination is made on a project-by-project basis, at the discretion of Ohio EPA.

⁵ The TMDL goal is restoration of the designated use through the attainment of applicable criteria. Pollutants listed here were specifically recognized in U.S. EPA decision documents. TMDL reports typically include such parameters for targeting, pollutant load characterization and measuring interim progress and may explore other indicators of watershed condition.

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁵
04100007 020	Auglaize River (below Pusheta Creek to above Jennings Creek)		ammonia, phosphorus, pathogens, sediment
04100007 060	Auglaize River (above Jennings Creek to above Little Auglaize River)		
04110002 010	Cuyahoga River (headwaters to below Black Brook)	09/27/2004	phosphorus, sediment
04100011 020	Sandusky River (headwaters to above Broken Sword Creek)	09/30/2004	phosphorus, pathogens, sediment
04100011 030	Broken Sword Creek		
04100011 040	Sandusky River (below Broken Sword Creek to above Tymochtee Creek)		
04100011 050	Tymochtee Creek (headwaters to below Warpole Creek)		
04100011 060	Tymochtee Creek (downstream Warpole Creek to Sandusky River)		
04100011 070	Sandusky River (below Tymochtee Creek to above Honey Creek)		
04100011 080	Honey Creek		
05090203 010	Mill Creek	04/26/2005	phosphorus, nitrogen
04100012 040	Lake Erie Tributaries (below Huron River to above Vermilion River) [Old Woman and Chappel Creeks]	08/31/2005	nutrients, siltation, habitat alteration
05030204 060	Monday Creek	09/22/2005	pH, metals, sediment
05060001 130	Big Walnut Creek (headwaters to Hoover Dam)	09/26/2005	nutrients (phosphorus), pathogens, siltation, organic enrichment, flow, habitat alteration
05060001 140	Big Walnut Creek (below Hoover Dam to above Alum Creek)		
05060001 150	Alum Creek (headwaters to Alum Creek Dam)		
05060001 160	Big Walnut Creek (above Alum Creek [except above Alum Creek Dam] to Scioto River)		
04110003 010 (partial)	Lake Erie Tributaries (East of Cuyahoga River to West of Grand River; excluding Chagrin River) [Euclid Creek]	09/27/2005	nutrients (phosphorus), organic enrichment, habitat alteration
04100012 010	West Branch Huron River (headwaters to above Slate Run)	09/28/2005	nutrients (phosphorus), siltation, organic enrichment, flow, habitat alteration
04100012 020	West Branch Huron River (above Slate Run to above East Branch Huron River)		
04100012 030	Huron River (above East Branch to Lake Erie) and Lake Erie Tributaries (below Sawmill Creek to below Huron River)		
05030101 070	Middle Fork Little Beaver Creek	09/28/2005	nutrients (phosphorus), pathogens, siltation, organic enrichment, flow, habitat alteration, unionized ammonia
05030101 080	West Fork Little Beaver Creek		
05030101 090	Little Beaver Creek (downstream Middle and West Forks to mouth)		
05030204 070	Sunday Creek	03/31/2006	sediment, bacteria, acidity
05060001 190	Big Darby Creek (headwaters to below Sugar Run)	03/31/2006 10/27/2009	phosphorus, bacteria, sediment
05060001 200	Big Darby Creek (below Sugar Run to above Little Darby Creek)		
05060001 210	Little Darby Creek		
05060001 220	Big Darby Creek (below Little Darby Creek to Scioto River)		
04100010 020	Toussaint Creek	09/22/2006	phosphorus
05040004 020	Wakatomika Creek (headwaters to downstream Brushy Fork)	09/28/2006	bacteria, manganese, iron, aluminum, total dissolved solids, alkalinity
05040004 030	Wakatomika Creek (downstream Brushy Fork to mouth)		

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁵
05040001 100	Sugar Creek (headwaters to above Middle Fork Sugar Creek)	05/08/2007	bacteria
05040001 110	South Fork Sugar Creek		
05040001 120	Sugar Creek (upstream Middle Fork to mouth)		
04110003 020	Chagrin River (headwaters to downstream Aurora Branch)	07/10/2007	nutrients (phosphorus and nitrate), bacteria, total suspended solids
04110003 030	Chagrin River (downstream Aurora Branch to mouth)		
05060001 090	Olentangy River (headwaters to downstream Flat Run)	09/19/2007	nutrients (phosphorus), bacteria, total suspended solids
05060001 100	Whetstone Creek		
05060001 110	Olentangy River (downstream Flat Run to downstream Delaware Run); excluding Whetstone Creek		
05060001 120	Olentangy River (downstream Delaware Run to mouth)		
05120101 020	Beaver Creek (Grand Lake St. Marys and tributaries)	09/28/2007	nutrients (phosphorus and nitrate), bacteria
05120101 030	Beaver Creek (downstream Grand Lake St. Marys Dam to mouth)		
05030202 090	Leading Creek	1/9/2008	total dissolved solids, total suspended solids, chlorides
04110001 020	West Branch Black River (headwaters to Black River)	8/20/2008	phosphorus, nitrate, bacteria, total suspended solids
04110001 030	East Branch Black River (headwaters to below Coon Creek)		
04110001 040	East Branch Black River (below Coon Creek to Black River)		
04110001 050	Black River (below East Branch to Lake Erie) and Lake Erie tribs (below Black R. to above Porter Cr)		
05040001 050	Nimishillen Creek	9/25/2008 12/16/2009	sediment, bacteria, phosphorus
04100007 110	Powell Creek	6/18/2009	phosphorus, nitrate-nitrogen, total suspended solids, biological oxygen
04100008 010	Blanchard River (headwaters to downstream Potato Run)	7/2/2009	phosphorus, bacteria, sediment
04100008 020	Blanchard River (downstream Potato Run to upstream Eagle Creek)		
04100008 030	Blanchard River (upstream Eagle Creek to upstream Ottawa Creek)		
04100008 040	Blanchard River (upstream Ottawa Creek to upstream Riley Creek); excluding Blanchard R.		
04100008 050	Riley Creek		
04100008 060	Blanchard River (downstream Riley Creek to mouth); excluding Blanchard R. mainstem		
04100008	Blanchard River (mainstem)		
05060002 070	Salt Creek (headwaters to upstream Queer Creek)	8/12/2009	sediment (bedload), habitat
05060002 080	Middle Fork Salt Creek		
05060002 090	Salt Lick Creek (excluding Middle Fork)		
05060002 100	Salt Creek (upstream Queer Creek to mouth); excluding Little Salt Creek and Middle Fork Salt Creek		
05040001 010	Tuscarawas River (headwaters to downstream Wolf Creek)	9/15/2009	fecal coliform, sediment, phosphorus
05040001 020	Chippewa Creek		
05040001 030	Tuscarawas River (downstream Wolf Creek to downstream Sippo Creek); excluding Chippewa Creek		
05040001 090	Tuscarawas River (downstream Sippo Creek to upstream Sugar Creek); excluding Tuscarawas R. mainstem		

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁵
05040001 130	Tuscarawas River (downstream Sugar Cr. to upstream Stillwater Cr.); excluding Tuscarawas R. mainstem		
05040001 180	Tuscarawas River (downstream Stillwater Cr. to upstream Evans Cr.); excluding Tuscarawas R. mainstem		
05040001 190	Tuscarawas River (upstream Evans Creek to mouth); excluding Tuscarawas R. mainstem		
05040001	Tuscarawas River (mainstem)		
05030204 010	Hocking River (headwaters to Enterprise); excluding Rush Creek and Clear Creek	9/25/2009	fecal coliform, total phosphorus, sediment (bedload)
05030204 020	Rush Creek (headwaters to upstream Little Rush Creek)		
05030204 030	Rush Creek (upstream Little Rush Creek to mouth)		
05030204 040	Clear Creek		
05030204 050	Hocking River (Enterprise to upstream Monday Creek); excluding Hocking R. mainstem dst. Duck Creek		
05030204 080	Hocking River (downstream Monday Creek to Athens/RM 33.1); excluding Hocking R. mainstem		
05030204 090	Federal Creek		
05030204 100	Hocking River (downstream Athens/RM 33.1 to mouth); excluding Federal Creek and Hocking R. mainstem		
05030204	Hocking River (mainstem)	1/6/2010 10/25/2010	<i>E. coli</i> , total phosphorus, nitrate- nitrogen, total suspended solids, total aluminum, total copper, ammonia, total dissolved solids, dieldrin, strontium, benzo(a)pyrene
04100009 070	Swan Creek (headwaters to above Blue Creek)		
04100009 080	Swan Creek (above Blue Creek to Maumee River)		
05080001 150	Mad River (headwaters to below Kings Creek)	1/26/2010	fecal coliform, sediment (bedload), nitrate
05080001 160	Mad River (below Kings Creek to below Chapman Creek)		
05080001 170	Buck Creek		
05080001 180	Mad River (below Chapman Cr. to above Mud Cr. [except Buck Cr.])		
05080001 190	Mad River (above Mud Cr. to Great Miami River)	3/4/2010	fecal coliform, sediment
05080002 030	Twin Creek (headwaters to above Bantas Fork)		
05080002 040	Twin Creek (above Bantas Fork to Great Miami River)		
05030101 100	Ohio River (downstream Little Beaver Cr to upstream Yellow Creek) (Little Yellow Cr)	3/18/2010	fecal coliform, total phosphorus
05030101 180	Yellow Creek (headwaters to upstream Town Fork)		
05030101 190	Yellow creek (upstream Town Fork to mouth)		
05060001 170	Walnut Creek (headwaters to below Sycamore Creek)	5/4/2010	fecal coliform, sediment
05060001 180	Walnut Creek (below Sycamore Creek to Scioto River)		

Table J-6 —Ohio TMDLs⁶ approved by U.S. EPA at the 12-digit hydrologic unit scale.

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁷
05080001 09 01 – 06	Headwaters Stillwater River	9/8/2009 ⁸	phosphorus
05080001 10 01 – 04	Headwaters Greenville Creek		
05080001 11 01 – 03	Mud Creek-Greenville Creek		
05080001 12 01 – 05	Swamp Creek-Stillwater River		
05080001 13 01 – 03	Painter Creek-Stillwater River		
05080001 14 01 – 06	Ludlow Creek-Stillwater River		
05080001 90 02	Stillwater River Mainstem (Greenville Creek to mouth)		
05090201 09 01 – 04	Headwaters White Oak Creek	2/25/2010	fecal coliform, ammonia, total phosphorus, habitat/total suspended solids, dissolved oxygen, nitrate + nitrite, atrazine
05090201 10 01 – 03	Sterling Run-White Oak Creek		
05090202 06 01 – 06	Headwaters Todd Fork	3/28/2011	<i>E. coli</i> , total phosphorus, chemical oxygen demand, sediment, total suspended solids, carbonaceous biochemical oxygen demand
05090202 07 01 – 04	East Fork Todd Fork-Todd Fork		
05090202 08 01 – 04	Turtle Creek-Little Miami River		
05090202 09 01 – 03	O'Bannon Creek-Little Miami River		
05090202 14 01 – 06	Sycamore Creek-Little Miami River		
05090202 90 01	Little Miami River Mainstem (Caesar Creek to O'Bannon Creek)		
05090202 90 02	Little Miami River Mainstem (O'Bannon Creek to Ohio River)		
05040004 06 01 – 06	Salt Creek (Muskingum River watershed)	6/6/2011	<i>E. coli</i>
05030103 01 01 – 03	Headwaters Mahoning River	9/28/2011	<i>E. coli</i> , sediment, phosphorus
05030101 02 01 – 04	Deer Creek-Mahoning River	10/19/2011	
05030101 03 01 – 06	West Branch Mahoning River-Mahoning River		
05030101 04 01 – 06	Eagle Creek-Mahoning River		
04100010 01 01 – 04	Rocky Ford-Middle Branch Portage River	9/30/2011	<i>E. coli</i> , total phosphorus, carbonaceous biochemical oxygen demand, sediment
04100010 02 01 – 05	South Branch Portage River-Middle Branch Portage River		
04100010 03 01 – 02	Upper Portage River		
04100010 04 01 – 02	Middle Portage River		
04100010 05 01 – 02	Lower Portage River-Frontal Lake Erie		
05060002 14 01 – 06	South Fork Scioto Brush Creek	9/30/2011	<i>E. coli</i> , phosphorus
05060002 15 01 – 07	Scioto Brush Creek		
05080001 01 01 – 03	Headwaters Great Miami River	3/26/2012	<i>E. coli</i> , sediment, nutrients, total dissolved solids
05080001 02 01 – 04	Muchinippi Creek		
05080001 03 01 – 06	Bokengehalas Creek-Great Miami River		
05080001 04 01 – 06	Stoney Creek-Great Miami River		
05080001 05 01 – 03	Headwaters Lorame Creek		
05080001 06 01 – 04	Turtle Creek-Lorame Creek		
04110004 04 01 – 03	Griggs Creek-Mill Creek	4/12/2012	<i>E. coli</i> , phosphorus, flow regime
04110004 06 01 – 07	Big Creek-Grand River		

⁶ One or more AUs may be included in a TMDL report. The determination is made on a project-by-project basis, at the discretion of Ohio EPA.

⁷ The TMDL goal is restoration of the designated use through the attainment of applicable criteria; pollutants listed here were specifically recognized in U.S. EPA decision documents. TMDL reports typically include such parameters for targeting, pollutant load characterization and measuring interim progress and may explore other indicators of watershed condition.

⁸ The TMDL was revised for one pollutant.

AU Code	AU Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA ⁷
05060003 01 01 – 03	Headwaters Paint Creek	9/18/2012	<i>E. coli</i> , sediment
05060003 02 01 – 02	Sugar Creek		
05060003 03 01 – 05	Headwaters Rattlesnake Creek		
05060003 04 01 – 07	Lees Creek-Rattlesnake Creek		
05060003 05 01 – 05	Rocky Fork		
05060003 06 01 – 03	Indian Creek-Paint Creek		
05060003 07 01 – 04	Buckskin Creek-Paint Creek		
05060003 08 01 – 05	Headwaters North Fork Paint Creek		
05060003 09 01 – 04	Little Creek-North Fork Paint Creek		
05060003 10 01 – 03	Ralston Run-Paint Creek		
05060003 90 01	Paint Creek Mainstem (Paint Creek Lake dam to mouth)		
04100010 07 01 – 06	Cedar Creek-Frontal Lake Erie	9/25/2012	total phosphorus, nitrate + nitrite, ammonia, total suspended solids, <i>E. coli</i>
04100009 09 01 – 04	Grassy Creek-Maumee River		
04110004 01 01 – 06	Headwaters Grand River	4/10/2013	<i>E. coli</i> , total phosphorus, total kjeldahl nitrogen, ammonia, total dissolved solids,
04110004 02 01 – 03	Rock Creek		
04110004 03 01 – 05	Phelps Creek-Grand River		
04110004 05 01 – 02	Three Brothers Creek-Grand River		
05040004 04 01 – 07	Jonathan Creek	7/10/2013	<i>E. coli</i> , acidity
05040004 05 01 – 04	Moxahala Creek		
04100007 03 01 – 06	Upper Ottawa River Mid	4/15/2014	<i>E. coli</i> , total phosphorus, sediment
04100007 04 01 – 06	Middle Ottawa River		
04100007 05 01 – 03	Lower Ottawa River		
04100011 01 01 – 03	Lower Sandusky		
04100011 01 02 – 05	Pickeral Creek-Frontal Sandusky Bay	8/11/2014	<i>E. coli</i> , total phosphorus, total suspended solids, nitrate+nitrite
04100011 10 01 – 04	Wolf Creek		
04100011 11 01 – 05	Rock Creek - Sandusky River		
04100011 90 01 – 02	Sandusky Mainsteam (Tymochtee Creek to Sandusky Bay)		
04100011 12 01 – 03	Green Creek		
04100011 13 01 – 03	Muskellunge Creek-Sandusky River		
04100011 14 01 – 05	Muddy Creek-Frontal Sandusky Bay		

Table J-7 — Short-term schedule for TMDL development – High priority TMDLs in Lake Erie assessment units

Lake Erie Assessment Unit	Assessment Unit Name	Use Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OHLE041202000101	Lake Erie Islands Shoreline (<=3m)	Recreation - Bathing Waters	Algae	Not meeting criteria	High
OHLE041202000101	Lake Erie Islands Shoreline (<=3m)	Water Supply - Public Drinking	Algae	Not meeting criteria	High
OHLE041202000201	Lake Erie Western Basin Shoreline (<=3m)	Recreation - Bathing Waters	Algae	Not meeting criteria	High
OHLE041202000201	Lake Erie Western Basin Shoreline (<=3m)	Water Supply - Public Drinking	Algae	Not meeting criteria	High
OHLE041202000301	Lake Erie Western Basin Open Water (>3m)	Recreation - Bathing Waters	Algae	Not meeting criteria	High
OHLE041202000301	Lake Erie Western Basin Open Water (>3m)	Water Supply - Public Drinking	Algae	Not meeting criteria	High

Table J-8 — Short-term schedule for TMDL development – High priority aquatic life use TMDLs in watershed assessment units

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH041000030204	Lake Da Su An-West Branch Saint Joseph River	Nutrients	Not meeting criteria	High
OH041000030303	Eagle Creek	Nutrients	Not meeting criteria	High
OH041100010301	East Fork of East Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010303	Coon Creek-East Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010403	Willow Creek	Organic Enrichment	Not meeting criteria	High
OH041100010403	Willow Creek	Sedimentation/Siltation	Not meeting criteria	High
OH041100010403	Willow Creek	Nutrients	Not meeting criteria	High
OH041100010404	Jackson Ditch-East Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010501	Charlemont Creek	Nutrient/Eutrophication Biological Indicators	Not meeting criteria	High
OH041100010502	Upper West Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010503	Wellington Creek	Nutrients	Not meeting criteria	High
OH041100010504	Middle West Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010505	Plum Creek	Sedimentation/Siltation	Not meeting criteria	High
OH041100010506	Lower West Branch Black River	Sedimentation/Siltation	Not meeting criteria	High
OH041100010506	Lower West Branch Black River	Nutrients	Not meeting criteria	High
OH041100010601	French Creek	Nutrient/Eutrophication Biological Indicators	Not meeting criteria	High
OH041100010602	Black River	Specific Conductivity	Not meeting criteria	High
OH041100010602	Black River	Nutrients	Not meeting criteria	High

Table J-9 — Short-term schedule for TMDL development – High priority recreation use TMDLs in watershed assessment units

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH041000010301	Shantee Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000010302	Halfway Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000010303	Prairie Ditch	<i>E. coli</i>	Not meeting criteria	High
OH041000010304	Headwaters Tenmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000010305	North Tenmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000010306	Tenmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000010307	Heldman Ditch-Ottawa River	<i>E. coli</i>	Not meeting criteria	High
OH041000010308	Sibley Creek-Ottawa River	<i>E. coli</i>	Not meeting criteria	High
OH041000020304	Little Bear Creek-Bear Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030106	Clear Fork-East Branch Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030204	Lake Da Su An-West Branch Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030301	Nettle Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030302	Cogsworth Cemetary-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030303	Eagle Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030304	Village of Montpelier-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030305	Bear Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030306	West Buffalo Cemetary-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030402	Headwaters Fish Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030406	Cornell Ditch-Fish Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000030501	Bluff Run-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030502	Big Run	<i>E. coli</i>	Not meeting criteria	High
OH041000030503	Russell Run-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000030505	Willow Run-Saint Joseph River	<i>E. coli</i>	Not meeting criteria	High
OH041000040101	Muddy Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040102	Center Branch	<i>E. coli</i>	Not meeting criteria	High
OH041000040103	East Branch	<i>E. coli</i>	Not meeting criteria	High
OH041000040104	Kopp Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040105	Sixmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040106	Fourmile Creek-Saint Marys River	<i>E. coli</i>	Not meeting criteria	High
OH041000040201	Hussey Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040203	Blierdofer Ditch	<i>E. coli</i>	Not meeting criteria	High
OH041000040204	Twelvemile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040205	Prairie Creek-Saint Marys River	<i>E. coli</i>	Not meeting criteria	High
OH041000040301	Little Black Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040302	Black Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040303	Yankee Run-Saint Marys River	<i>E. coli</i>	Not meeting criteria	High
OH041000040304	Duck Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000040305	Town of Willshire-Saint Marys River	<i>E. coli</i>	Not meeting criteria	High
OH041000040401	Twentyseven Mile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000070204	Sixmile Creek-Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000070601	Kyle Prairie Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000070602	Long Prairie Creek-Little Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000070603	Wolf Ditch-Little Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000070604	Dry Fork-Little Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000070701	Hagerman Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000070702	West Branch Prairie Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000070802	Upper Town Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH041000070803	Maddox Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000070804	Lower Town Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071001	Upper Prairie Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071002	Upper Blue Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071003	Middle Blue Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071004	Lower Blue Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071005	Town of Charloe-Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000071103	Lower Powell Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071201	Headwaters Flatrock Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071205	Wildcat Creek-Flatrock Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071206	Big Run-Flatrock Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071207	Little Flatrock Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071208	Sixmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000071209	Eagle Creek-Auglaize River	<i>E. coli</i>	Not meeting criteria	High
OH041000110103	Mills Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000110806	Lower Honey Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000111203	Flag Run-Green Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000111403	Little Muddy Creek	<i>E. coli</i>	Not meeting criteria	High
OH041000120103	Southwest Branch Vermilion River	<i>E. coli</i>	Not meeting criteria	High
OH041000120204	Town of Vermilion-Vermilion River	<i>E. coli</i>	Not meeting criteria	High
OH041000120304	Old Woman Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010301	East Fork of East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010302	Headwaters West Fork East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010303	Coon Creek-East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010401	Town of Litchfield-East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010402	Salt Creek-East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010403	Willow Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010404	Jackson Ditch-East Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010501	Charlemont Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010502	Upper West Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010503	Wellington Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010504	Middle West Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010505	Plum Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010506	Lower West Branch Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010601	French Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100010602	Black River	<i>E. coli</i>	Not meeting criteria	High
OH041100010603	Heider Ditch-Frontal Lake Erie	<i>E. coli</i>	Not meeting criteria	High
OH041100020106	Sawyer Brook-Cuyahoga River	<i>E. coli</i>	Not meeting criteria	High
OH041100020201	Potter Creek-Breakneck Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100020202	Feeder Canal-Breakneck Creek	<i>E. coli</i>	Not meeting criteria	High
OH041100020203	Lake Rockwell-Cuyahoga River	<i>E. coli</i>	Not meeting criteria	High
OH041100030101	East Branch Ashtabula River	<i>E. coli</i>	Not meeting criteria	High
OH041100030102	West Branch Ashtabula River	<i>E. coli</i>	Not meeting criteria	High
OH041100030103	Upper Ashtabula River	<i>E. coli</i>	Not meeting criteria	High
OH041100030104	Middle Ashtabula River	<i>E. coli</i>	Not meeting criteria	High
OH041100030105	Lower Ashtabula River	<i>E. coli</i>	Not meeting criteria	High
OH050301010401	East Branch Middle Fork Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010404	Lisbon Creek-Middle Fork Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010502	Headwaters West Fork Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050301010504	Patterson Creek-West Fork Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010602	Honey Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010605	Headwaters Bull Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010606	Leslie Run-Bull Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010610	Bieler Run-Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010703	Upper North Fork	<i>E. coli</i>	Not meeting criteria	High
OH050301010801	Town Fork	<i>E. coli</i>	Not meeting criteria	High
OH050301010803	Salt Run-North Fork Yellow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301010804	Hollow Rock Run-Yellow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301011001	Upper Cross Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301011002	Salem Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301011003	Middle Cross Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301011004	McIntyre Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301011005	Lower Cross Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301020104	Frontal Pymatuning Reservoir	<i>E. coli</i>	Not meeting criteria	High
OH050301020301	Headwaters Pymatuning Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301020302	Sugar Creek-Pymatuning Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301020303	Stratton Creek-Pymatuning Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301020304	Booth Run-Pymatuning Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301020601	Yankee Run	<i>E. coli</i>	Not meeting criteria	High
OH050301020602	Little Yankee Run	<i>E. coli</i>	Not meeting criteria	High
OH050301030501	Upper Mosquito Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030502	Middle Mosquito Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030503	Lower Mosquito Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030601	Duck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030602	Mud Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030603	City of Warren-Mahoning River	<i>E. coli</i>	Not meeting criteria	High
OH050301030701	Upper Meander Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030702	Middle Meander Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030705	Little Squaw Creek-Mahoning River	<i>E. coli</i>	Not meeting criteria	High
OH050301030801	Headwaters Mill Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030802	Indian Run	<i>E. coli</i>	Not meeting criteria	High
OH050301030803	Andersons Run-Mill Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030804	Crab Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030805	Headwaters Yellow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030806	Burgess Run-Yellow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301030807	Dry Run-Mahoning River	<i>E. coli</i>	Not meeting criteria	High
OH050301060202	Middle Fork Short Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060204	Piney Fork	<i>E. coli</i>	Not meeting criteria	High
OH050301060205	Perrin Run-Short Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060207	Dry Fork-Short Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060301	Crabapple Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060303	Cox Run-Wheeling Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060304	Flat Run-Wheeling Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060702	Upper McMahan Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060901	North Fork Captina Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060902	South Fork Captina Creek	<i>E. coli</i>	Not meeting criteria	High
OH050301060903	Bend Fork	<i>E. coli</i>	Not meeting criteria	High
OH050301060904	Piney Creek-Captina Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050301061201	Rush Run	<i>E. coli</i>	Not meeting criteria	High
OH050301061202	Salt Run-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050301061204	Glenns Run-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302010103	Middle Sunfish Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302010901	Headwaters West Fork Duck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302011006	Mill Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302011009	Cow Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020102	Mile Run-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020103	Headwaters Little Hocking River	<i>E. coli</i>	Not meeting criteria	High
OH050302020104	West Branch Little Hocking River	<i>E. coli</i>	Not meeting criteria	High
OH050302020105	Little West Branch Little Hocking River-Little Hocking River	<i>E. coli</i>	Not meeting criteria	High
OH050302020106	Sandy Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020201	Headwaters West Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020202	Kingsbury Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020203	Headwaters Middle Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020204	Elk Run-Middle Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020205	Walker Run-West Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020301	Horse Cave Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020302	Headwaters East Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020303	Big Run-East Branch Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020304	Spruce Creek-Shade River	<i>E. coli</i>	Not meeting criteria	High
OH050302020701	Headwaters Leading Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020704	Little Leading Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020706	Parker Run-Leading Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020802	Groundhog Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020803	Oldtown Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020804	West Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050302020901	Kyger Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302020902	Campaign Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040102	Headwaters Rush Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040301	Headwaters Clear Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040302	Mouth Clear Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040501	Little Monday Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040502	Lost Run-Monday Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302040503	Snow Fork	<i>E. coli</i>	Not meeting criteria	High
OH050302040504	Kitchen Run-Monday Creek	<i>E. coli</i>	Not meeting criteria	High
OH050302041001	Willow Creek-Hocking River	<i>E. coli</i>	Not meeting criteria	High
OH050400010401	Conser Run	<i>E. coli</i>	Not meeting criteria	High
OH050400010402	Middle Branch Sandy Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400010403	Pipes Fork-Still Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400010404	Muddy Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400010405	Reeds Run-Still Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400010406	Headwaters Sandy Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400010601	Hugle Run	<i>E. coli</i>	Not meeting criteria	High
OH050400010602	Pipe Run	<i>E. coli</i>	Not meeting criteria	High
OH050400010603	Black Run	<i>E. coli</i>	Not meeting criteria	High
OH050400010604	Little Sandy Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400010605	Armstrong Run-Sandy Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400010606	Indian Run-Sandy Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050400011301	Spencer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400011302	Headwaters Stillwater Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400011303	Boggs Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400011401	Skull Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400011402	Brushy Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400011403	Craborchard Creek-Stillwater Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400011501	Clear Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400011502	Standingstone Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400011601	Laurel Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400011602	Crooked Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400011604	Town of Uhrichsville-Stillwater Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030101	Headwaters North Branch Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030102	East Branch Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030201	Headwaters Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030202	Mile Run-Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030203	Granny Creek-Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030302	Armstrong Run-Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030304	Delano Run-Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030305	Little Schenck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030306	Schenck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030307	Indianfield Run-Kokosing River	<i>E. coli</i>	Not meeting criteria	High
OH050400030401	Little Jelloway Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030402	Jelloway Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030501	Headwaters Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030503	Rathburn Run-Little Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030504	Cedar Run-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030505	Clear Creek-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030601	Little Apple Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030602	Apple Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030603	Shreve Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030604	Jennings Ditch-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030605	North Branch Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030606	Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030607	Tea Run-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030701	Paint Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030702	Martins Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030703	Honey Run-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030704	Black Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030705	Shrimplin Creek-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030801	Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030802	Headwaters Doughty Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030803	Bucks Run-Doughty Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030804	Big Run-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030805	Bucklew Run-Killbuck Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030901	Mohawk Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030902	Dutch Run-Walhonding River	<i>E. coli</i>	Not meeting criteria	High
OH050400030903	Beaver Run	<i>E. coli</i>	Not meeting criteria	High
OH050400030904	Simmons Run	<i>E. coli</i>	Not meeting criteria	High
OH050400030905	Darling Run-Walhonding River	<i>E. coli</i>	Not meeting criteria	High
OH050400030906	Headwaters Mill Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050400030907	Spoon Creek-Mill Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400030908	Crooked Creek-Walhonding River	<i>E. coli</i>	Not meeting criteria	High
OH050400040302	Village of Adams Mills-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400040303	North Branch Symmes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040304	South Branch Symmes Creek-Symmes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040305	Blount Run-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400040704	Fourmile Run-Meigs Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040801	Brush Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040802	Flat Run-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400040803	Duncan Run-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400040804	Island Run	<i>E. coli</i>	Not meeting criteria	High
OH050400040807	Bald Eagle Run	<i>E. coli</i>	Not meeting criteria	High
OH050400040808	Bell Creek-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400040901	South West Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040902	Headwaters South Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400040903	Plumb Run-South Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041001	Headwaters West Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041002	Aldridge Run-West Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041003	Coal Run	<i>E. coli</i>	Not meeting criteria	High
OH050400041004	Hayward Run-Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041101	Headwaters Olive Green Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041102	Keith Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400041103	Little Olive Green Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041104	Reasoners Run-Olive Green Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041202	Rainbow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400041203	Cat Creek-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400041204	Devol Run-Muskingum River	<i>E. coli</i>	Not meeting criteria	High
OH050400060101	Otter Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060102	Headwaters North Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060103	Sycamore Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060104	Vance Creek-North Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060201	Lake Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060202	Clear Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060204	Dry Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060205	Log Pond Run-North Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060301	Headwaters Raccoon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060302	Lobdell Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060303	Moots Run-Raccoon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060304	Salt Run-Raccoon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060401	Muddy Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400060402	Headwaters South Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060403	Buckeye Lake	<i>E. coli</i>	Not meeting criteria	High
OH050400060404	Buckeye Lake Reservoir Feeder	<i>E. coli</i>	Not meeting criteria	High
OH050400060405	Town of Kirkersville-South Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060406	Bell Run-South Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060407	Ramp Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060408	Dutch Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400060409	Beaver Run-South Fork Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060501	Claylick Creek	<i>E. coli</i>	Not meeting criteria	High
OH050400060502	Lost Run	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050400060503	Rocky Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400060601	Brushy Fork	<i>E. coli</i>	Not meeting criteria	High
OH050400060602	Big Run	<i>E. coli</i>	Not meeting criteria	High
OH050400060603	Dillon Lake-Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050400060604	Timber Run-Licking River	<i>E. coli</i>	Not meeting criteria	High
OH050600010701	Headwaters Bokes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600010702	Brush Run-Bokes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600010703	Smith Run-Bokes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600010704	Moors Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600011201	Eversole Run	<i>E. coli</i>	Not meeting criteria	High
OH050600011203	Indian Run	<i>E. coli</i>	Not meeting criteria	High
OH050600011204	Hayden Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600011205	Dry Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600011802	Tussing Ditch-Walnut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600011804	Little Walnut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600011806	Mud Run-Walnut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600012102	Silver Ditch-Big Darby Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600012201	Hellbranch Run	<i>E. coli</i>	Not meeting criteria	High
OH050600012202	Gay Run-Big Darby Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600012203	Greenbrier Creek-Big Darby Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600012204	Lizard Run-Big Darby Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600012301	Scioto Big Run	<i>E. coli</i>	Not meeting criteria	High
OH050600012302	Kian Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600012303	Grant Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600012304	Grove Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600012305	Dry Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020101	Headwaters Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020102	Richmond Ditch-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020103	Glade Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020104	Walnut Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020105	Oak Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020106	Turkey Run-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020201	South Fork Bradford Creek-Bradford Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020202	Sugar Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020203	Opossum Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020204	Town of Mount Sterling-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020205	Deer Creek Lake-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020206	Buskirk Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020207	Dear Creek Dam-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020301	Dry Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020302	Hay Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020303	Waugh Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020304	State Run-Deer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020401	Hargus Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020402	Yellowbud Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020403	Lick Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600020404	Congo Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020405	Scippo Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020406	Blackwater Creek-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600020501	Kinnikinnick Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050600020502	Dry Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600020503	Lick Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600020601	Beech Fork	<i>E. coli</i>	Not meeting criteria	High
OH050600020602	Headwaters Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020603	Laurel Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020604	Pine Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020605	Blue Creek-Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020701	Pigeon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020702	Middle Fork Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020801	Headwaters Little Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020803	Horse Creek-Little Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020804	Pigeon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020901	East Fork Queer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020902	Queer Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020904	Pike Run	<i>E. coli</i>	Not meeting criteria	High
OH050600020905	Village of Eagle Mills-Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600020906	Poe Run-Salt Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021001	Indian Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021002	Dry Run	<i>E. coli</i>	Not meeting criteria	High
OH050600021003	Headwaters Walnut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021004	Lick Run-Walnut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021101	Carrs Run	<i>E. coli</i>	Not meeting criteria	High
OH050600021102	Left Fork Crooked Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021103	Crooked Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021105	Meadow Run-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600021201	Headwaters Sunfish Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021204	Grassy Fork-Sunfish Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021205	Chenoweth Fork	<i>E. coli</i>	Not meeting criteria	High
OH050600021206	Leeth Creek-Sunfish Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021302	Headwaters Big Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021303	Little Beaver Creek-Big Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021601	Camp Creek	<i>E. coli</i>	Not meeting criteria	High
OH050600021603	Bear Creek-Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050600021604	Pond Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010406	Turkeyfoot Creek-Great Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050800010701	Leatherwood Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010702	Mosquito Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010703	Brush Creek-Great Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050800010704	Rush Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010802	Headwaters Lost Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010901	South Fork Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800010903	North Fork Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800010904	Boyd Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800010905	Woodington Run-Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800010906	Town of Beamsville-Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800011001	Dismal Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011002	Kraut Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011003	West Branch Greenville Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011004	Headwaters Greenville Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011101	Mud Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050800011102	Bridge Creek-Greenville Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011103	Dividing Branch-Greenville Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011201	Indian Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011202	Swamp Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011203	Trotters Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011204	Harris Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011205	Town of Covington-Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800011301	Little Painter Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011302	Painter Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011401	Brush Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011402	Ludlow Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011403	Brush Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800011404	Jones Run-Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800011405	Mill Creek-Stillwater River	<i>E. coli</i>	Not meeting criteria	High
OH050800011504	Glad Creek-Mad River	<i>E. coli</i>	Not meeting criteria	High
OH050800011607	Bogles Run-Mad River	<i>E. coli</i>	Not meeting criteria	High
OH050800011802	Pondy Creek-Mad River	<i>E. coli</i>	Not meeting criteria	High
OH050800011903	Huffman Dam-Mad River	<i>E. coli</i>	Not meeting criteria	High
OH050800012001	East Fork Honey Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800012002	West Fork Honey Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800012003	Indian Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800012004	Pleasant Run-Honey Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800012005	Poplar Creek-Great Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050800020101	North Branch Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020102	Headwaters Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020103	Dry Run-Wolf Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020104	Holes Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020201	Millers Fork	<i>E. coli</i>	Not meeting criteria	High
OH050800020202	Headwaters Twin Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020304	Town of Gratis-Twin Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020305	Little Twin Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020401	Headwaters Bear Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020403	Clear Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020502	Paint Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020503	Beasley Run-Sevenmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020602	Little Four Mile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020604	Acton Lake Dam-Four Mile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020605	Cotton Run-Four Mile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020704	Dicks Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020803	Beals Run-Indian Creek	<i>E. coli</i>	Not meeting criteria	High
OH050800020901	Pleasant Run	<i>E. coli</i>	Not meeting criteria	High
OH050800020905	Taylor Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030101	Solida Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050901030103	Ice Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030106	Ginat Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030107	Grays Branch-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050901030201	Hales Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030203	Little Pine Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030204	Howard Run-Pine Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030501	Headwaters Little Scioto River	<i>E. coli</i>	Not meeting criteria	High

Watershed Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	TMDL Priority Ranking
OH050901030502	Sugarcamp Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030504	McDowell Creek-Little Scioto River	<i>E. coli</i>	Not meeting criteria	High
OH050901030601	Headwaters Rocky Fork	<i>E. coli</i>	Not meeting criteria	High
OH050901030602	Long Run	<i>E. coli</i>	Not meeting criteria	High
OH050901030603	McConnel Creek-Rocky Fork	<i>E. coli</i>	Not meeting criteria	High
OH050901030604	Frederick Creek	<i>E. coli</i>	Not meeting criteria	High
OH050901030606	Munn Run-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050902010302	Elk Run	<i>E. coli</i>	Not meeting criteria	High
OH050902010303	Baker Fork	<i>E. coli</i>	Not meeting criteria	High
OH050902010505	Beasley Fork	<i>E. coli</i>	Not meeting criteria	High
OH050902010904	Flat Run-North Fork Whiteoak Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902011003	Big Run-Whiteoak Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902011104	Bullskin Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902011106	Bear Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050902011204	Ferguson Run-Twelvemile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902011206	Tenmile Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902011208	Ninemile Creek-Ohio River	<i>E. coli</i>	Not meeting criteria	High
OH050902020101	Headwaters Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020102	North Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020103	Buffenbarger Cemetery-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020104	Yellow Springs Creek-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020201	North Fork Massies Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020202	South Fork Massies Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020203	Massies Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020204	Little Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020205	Beaver Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020206	Shawnee Creek-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020301	Headwaters Anderson Fork	<i>E. coli</i>	Not meeting criteria	High
OH050902020302	Painters Run-Anderson Fork	<i>E. coli</i>	Not meeting criteria	High
OH050902020303	Mouth Anderson Fork	<i>E. coli</i>	Not meeting criteria	High
OH050902020401	North Branch Caesar Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020402	Upper Caesar Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020403	South Branch Caesar Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020501	Sugar Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020502	Town of Bellbrook-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020503	Gladly Run	<i>E. coli</i>	Not meeting criteria	High
OH050902020504	Newman Run-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902020902	O'Bannon Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902020903	Salt Run-Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021001	Turtle Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902021002	Headwaters East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021004	Anthony Run-Dodson Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902021005	West Fork East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021006	Gladly Creek-East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021101	Solomon Run-East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021102	Fivemile Creek-East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021202	Cloverlick Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902021204	Backbone Creek-East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021303	Moore's Fork-Stonelick Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902021304	Lick Fork-Stonelick Creek	<i>E. coli</i>	Not meeting criteria	High

Watershed				TMDL
Assessment Unit	Watershed Assessment Unit Name	Parameter	Parameter Attainment Status	Priority Ranking
OH050902021305	Salt Run-East Fork Little Miami River	<i>E. coli</i>	Not meeting criteria	High
OH050902021401	Sycamore Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902030101	East Fork Mill Creek-Mill Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902030103	Sharon Creek-Mill Creek	<i>E. coli</i>	Not meeting criteria	High
OH050902030203	Muddy Creek	<i>E. coli</i>	Not meeting criteria	High