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**Addressing Waters Not Meeting Water Quality Goals**



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The Clean Water Act requires that States identify waters not meeting water quality goals and then prioritize them for action to restore their beneficial uses. The resulting list of prioritized impaired waters is known as the 303(d) list. Ohio's 2014 303(d) list is presented in Section L4.

Ohio made substantial changes to its listing process in 2010 (see Sections A and J in the 2010 Integrated Report (Ohio EPA, 2010)). The overall effect of the modifications was to report more detailed results that provide a sharper focus on where problems exist. A conservative, multi-step process was developed to ensure that listings approved by U.S. EPA in the 2008 303(d) list were not delisted without good cause and that the process was as transparent as possible. Ohio's 2010 303(d) list was approved by U.S. EPA on June 2, 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, and this 2014 work likewise contains no major changes. 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 and monitoring 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. 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 assessment units relative to approved TMDLs and data availability. In 2014, the "t" subcategory is being altered slightly and a new category "d" is being added to better reflect circumstances encountered as Ohio EPA revisits watersheds having approved TMDLs. These subcategories are applied as follows:

- The subcategory "t" is used for those assessment units (AUs) that were included in a TMDL approved at the 11-digit hydrologic unit (HU) scale. The data were later (after approval) parsed into 12-digit HU scales and the 12-digit HU was originally either a category 1 or category 3, but included in the 11-digit HU approved TMDL.
- The subcategory "d" is intended to be used to indicate that new data have been collected in an AU for which there is an approved TMDL. The new data indicate either that the AU is not impaired (category 1d) or that it is impaired (5d) and that the new data indicate new cause(s) of impairment.
- In a few cases, where an AU is impaired and has a TMDL approved (Category 4A), but there are unaddressed impairments that would typically fit into a category 4C (impairment from a dam or impoundment), the AU will be considered in category 4A (TMDL approved).

Table J-1 summarizes the categories and subcategories used in the 2014 report.

**Table J-1. Category definitions for the 2014 Integrated Report and 303(d) list.**

Category <sup>1</sup>		Subcategory	
0	No waters currently utilized for water supply		
1	Use attaining	d	TMDL complete; new data show the AU is attaining water quality standards
		h	Historical data
		t	TMDL complete at 11-digit hydrologic unit scale; AU is attaining water quality standards at 12-digit hydrologic unit scale
		x	Retained from 2008 IR
2	Not applicable in Ohio system		
3	Use attainment unknown	h	Historical data
		i	Insufficient data
		t	TMDL complete at 11-digit hydrologic unit scale; there may be no or not enough data to assess this assessment unit at the 12-digit hydrologic unit scale
		x	Retained from 2008 IR
4	Impaired; TMDL not needed	A	TMDL complete
		B	Other required control measures will result in attainment of use
		C	Not a pollutant
		h	Historical data
		n	Natural causes and sources
		x	Retained from 2008 IR
5	Impaired; TMDL needed	M	Mercury
		d	TMDL complete; new data show the AU is not attaining water quality standards
		h	Historical data
		x	Retained from 2008 IR

<sup>1</sup> Shading indicates categories defined by U.S. EPA; additional categories and subcategories are defined by Ohio EPA.

Also in 2010, Ohio began listing by beneficial use within each assessment unit and reporting on a smaller assessment unit size. Watershed assessment units 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 assessment unit to be category 5 (impaired) regardless of the status of other uses.

Figure J-1 illustrates the significance of these changes in the listing procedures. In the example, an assessment unit listed in 2008 as impaired (i.e., category 5) appeared on the 2010 303(d) list as five units with four uses each; thus, reporting one piece of information changed to reporting 20 pieces of information. Whereas the 2008 list indicated only that the unit was impaired, the new listing indicates all of the following information:

- Aquatic life use is impaired (5) in one unit, not impaired (1) in one, and unknown (3) in one. A TMDL to address impairments has been completed in one unit (4A), and the impairment in the remaining unit is being addressed in some other way (4B, e.g., a discharge permit).
- Recreation use is impaired (5) in three units, unknown (3) in one, and a TMDL to address the impairment in one unit has been completed (4A).
- Human health results based on fish tissue analysis indicate that four of the five units are impaired (5) and one is unknown (3).
- Public drinking water supplies exist in only two of the five units, and one of those is impaired (5). The status of the other is unknown (3).

Table J-2 shows the number of potential listings that could result from the combination of smaller assessment units and listing by individual use.

For the aquatic life use, we continued the transition that began in 2010 of translating data evaluated at the 11-digit hydrologic unit size to the smaller 12-digit size. We expect that the few remaining relic categories will be dealt with as those areas are monitored again.

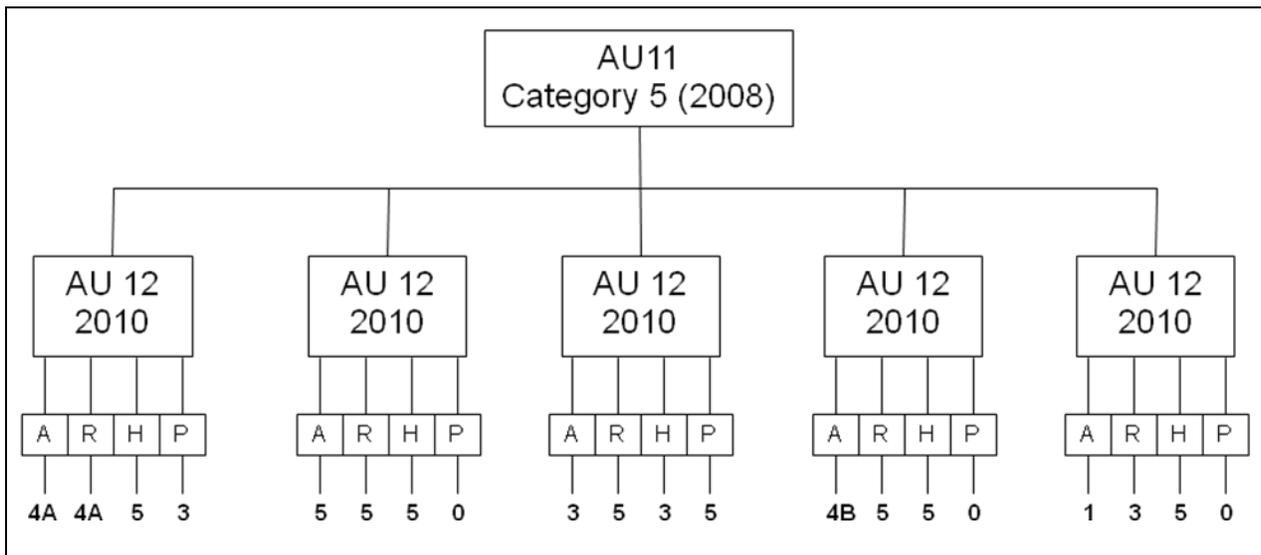


Figure J-1. Listing by smaller assessment units and individual beneficial uses.

Table J-2. Potential listing opportunities in Ohio's listing framework.

Assessment Unit (AU) Type	2008 and Before			2010 and After		
	Number of AUs	Status Reports per Unit	Total Number of Possible Listings	Number of AUs	Status Reports per Unit	Total Number of Possible Listings
Watershed	331	1	331	1538	4	6,152
Large river	23	1	23	38	4	152
Lake Erie shore	3	1	3	3	4	12
Totals	357	1	357	1,579	4	6,316

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

The impaired waters were identified and assigned a category by individual beneficial use in Sections E, F, G, and H. After waters are identified as impaired and requiring a TMDL, the category 5 waters are prioritized to produce the 303(d) list (see Section L4). Because Ohio uses a highly integrated monitoring and TMDL linkage to ensure efficient use of resources, it makes sense to continue to set priorities by assessment unit rather than by individual use.

### Ohio River and Lake Erie

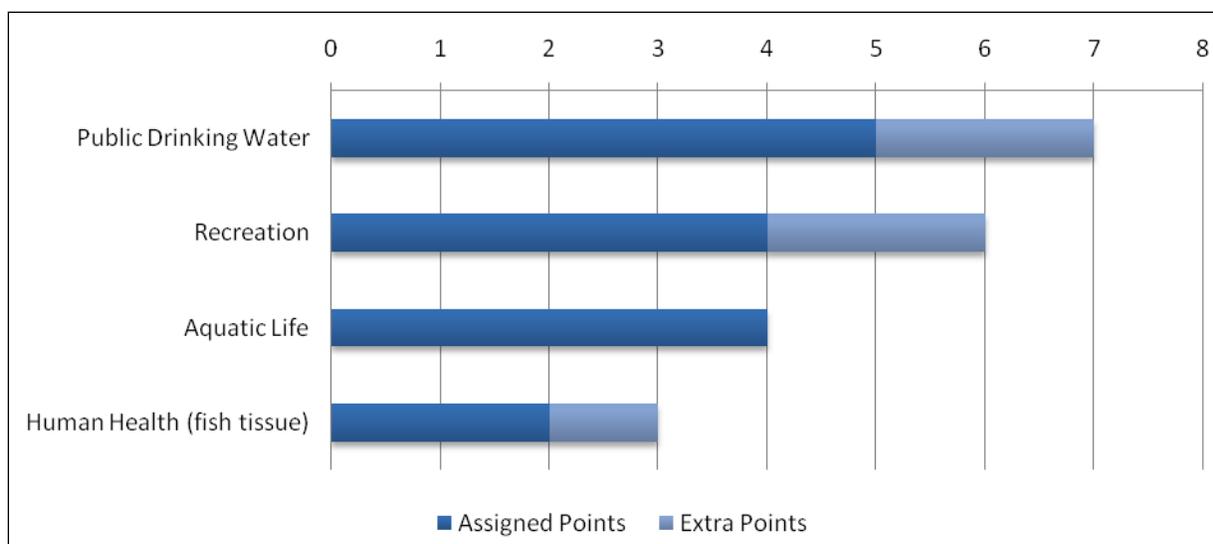
Other organizations have lead responsibility for two special waters affected by multiple jurisdictions: U.S. EPA for the open waters of Lake Erie and ORSANCO for the mainstem of the Ohio River. Ohio EPA is actively participating in TMDL and similar actions conducted by these organizations, so priority *for Ohio EPA-initiated action* is assigned a low priority for these waters. TMDLs in watersheds that drain to the Ohio River and Lake Erie will reduce the pollutant load delivered to each water.

There has been a marked increase in interest and research in Lake Erie, as a response to the recurring harmful algal blooms, the availability of funding through the Great Lakes Water Quality Initiative, and the renewed Great Lakes Water Quality Agreement (particularly Annex 4 which addresses nutrients). Ohio EPA's efforts in Lake Erie are described in Section I5 of this report, including a potential pathway by which additional Lake Erie waters (beyond the current assessment units) eventually could be evaluated to determine impairment status.

In 2011, Ohio EPA requested that U.S. EPA initiate a TMDL for the western basin of Lake Erie. However, because the GLWQA is a binational effort with federal, state, and local partners, it is the most likely path to water quality improvement in Lake Erie. At the same time, Ohio EPA is working to reduce loading from the Ohio tributaries that drain to Lake Erie. TMDL analyses that address nutrients and other pollutants have been established for nearly all Ohio Lake Erie watersheds. Implementing the actions needed to reduce loading from Lake Erie's Ohio tributaries is the focus of various State, federal and local programs.

### Inland Waters

For inland waters, a point system is used to assign priority. A total of 20 points could be assigned to an assessment unit, distributed as shown in Figure J-2. The priority results for specific assessment units are reported in Section L and in assessment unit summary information available on the web page. As a practical matter, only the 1,538 watershed and 38 large river assessment units are included in the priority-setting exercise. Lake Erie nearshore areas were assigned the priority of the appropriate surrounding or contiguous watershed assessment unit.



**Figure J-2. Priority points assigned based on use impairment or other factors (extra points).**

The assessment units were assigned priority points using the guidelines in Table J-3. The points assigned to the public drinking water and human health uses are straightforward. For the recreation and aquatic life uses, points are assigned based on a computed index score (see Section F2 and G2). The lowest quartile (scores between 0 and 25) get the fewest points because a TMDL may not be the most effective way to address the impairments. Scores in this range indicate severe basin-wide problems, comprehensive degradation that may require significant time and resources and broad-scale fixes, including, possibly, fundamental changes in land use practices. Educating about how water quality is affected by various practices and encouraging stewardship may be more effective in these areas than a traditional TMDL approach. Scores in the highest quartile (between 75.1 and 100) generally indicate a localized water quality issue. Addressing the impairment may not require a complete watershed effort; rather, a targeted fix for a particular problem may be most effective. Thus, these receive the next lowest number of priority points. The most points are awarded for scores in the middle quartiles (between 25.1 and 50 and between 50.1 and 75), indicating problems of such scale that purposeful action should produce a measurable response within a 10-year period. These waters are the best candidates for a traditional TMDL.

Two additional points may be awarded to assessment units that are impaired for the recreation use and contain Class A waters. Class A waters are those most suitable for recreation, such as popular paddling streams and lakes with public access points developed, maintained, and publicized by governmental entities.

**Table J-3. Priority points for impaired assessment units.**

Points	Condition	# Assessment Units	
		WAUs	LRAUs
<b>Human Health Use impairment (fish tissue contaminants) (maximum of 3 points)</b>			
2	Listed as impaired for Fish Contaminants (Human Health Use)	421	35
+ 1	Additional point in assessment units that have greater than 500 parts per billion PCBs or mercury	3	5
<b>Recreation Use impairment (maximum of 6 points)</b>			
1	Listed as impaired, with assessment unit score <sup>1</sup> between 0 and 25	45	0
2	Listed as impaired, with assessment unit score <sup>1</sup> between 75.1 and 100	75	13
3	Listed as impaired, with assessment unit score <sup>1</sup> between 25.1 and 50	156	2
4	Listed as impaired, with assessment unit score <sup>1</sup> between 50.1 and 75	185	6
+ 2	Additional points if assessment unit contains Class A waters	53	21
<b>Aquatic Life Use impairment (maximum of 4 points)</b>			
1	Listed as impaired, with assessment unit score <sup>1</sup> between 0 and 25	218	1
2	Listed as impaired, with assessment unit score <sup>1</sup> between 75.1 and 100	17	10
3	Listed as impaired, with assessment unit score <sup>1</sup> between 25.1 and 50	128	1
4	Listed as impaired, with assessment unit score <sup>1</sup> between 50.1 and 75	126	2
<b>Public Drinking Water Use impairment (maximum of 7 points)</b>			
5	Listed as impaired for Public Drinking Water Use for one indicator	10	3
+ 2	Additional points in assessment units impaired for second indicator	2	3
1	Not listed as impaired, but on watch list; one point for each indicator	32	4

<sup>1</sup> The assessment unit score is reported on the summary sheets in Section L and on the assessment unit summaries on the web.

### J3. Summary of Results

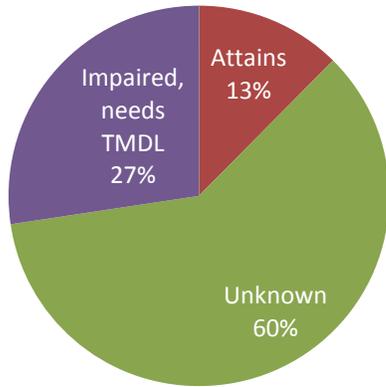
The consolidated results of the 2014 analysis are shown in Table J-4 and Figures J-3 through J-5. Compared with past reports, the number of TMDLs continues to rise and the number of units with an “unknown” condition continues to decrease. Table J-4 and Figures J-3 through J-5 provide summary information about the 2014 results.

**Table J-4. Summary of results for each beneficial use<sup>1</sup>.**

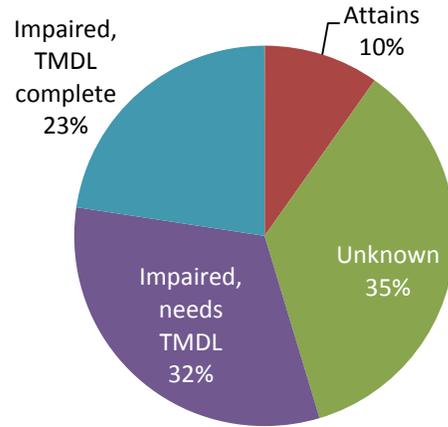
	Human Health (Fish Contaminants)	Recreation	Aquatic Life	Public Drinking Water
<b>Watershed assessment units</b>				
Not being used for public water supply	0	0	0	1427
Attains	191	141	341	33
Unknown	926	511	220	67
Impaired, needs TMDL	421	461	479	10
Impaired, TMDL complete	0	425	420	1
Impaired, other remedy	0	0	0	0
Impaired, not pollutant	0	0	11	0
Impaired, natural condition	0	0	67	0
Total watershed units evaluated	1538	1538	1538	1538
<b>Large river assessment units</b>				
Not being used for public water supply	0	0	0	29
Attains	1	3	18	1
Unknown	2	10	0	4
Impaired, needs TMDL	35	21	14	4
Impaired, TMDL complete	0	4	3	0
Impaired, other remedy	0	0	0	0
Impaired, not pollutant	0	0	3	0
Total large river units evaluated	38	38	38	38
<b>Lake Erie assessment units</b>				
Attains	0	1	0	2
Unknown	0	0	0	0
Impaired, needs TMDL	3	2	3	1
Total Lake Erie units evaluated	3	3	3	3

<sup>1</sup> Reported using federally-defined categories (see Table J-1), except for two defined by Ohio (category 0 (not being used for public water supply) and subcategory 4n (impaired due to natural condition)). Other Ohio-defined subcategories are included in federal categories.

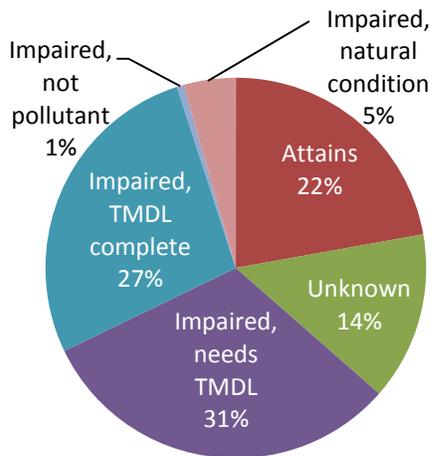
### Human Health (fish contaminants)



### Recreation



### Aquatic Life



### Public Drinking Water Supply

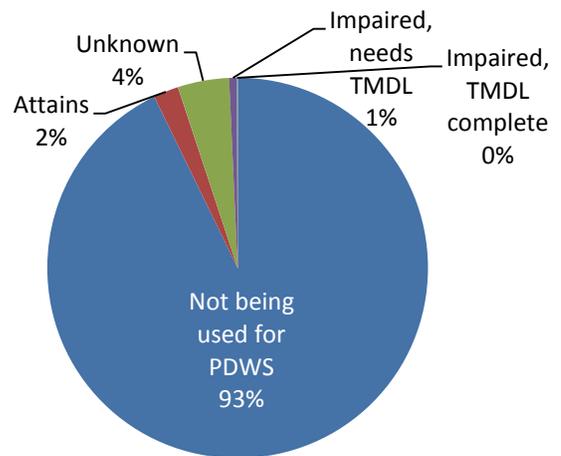


Figure J-3. Summary of 2014 IR results for watershed assessment units by beneficial use.

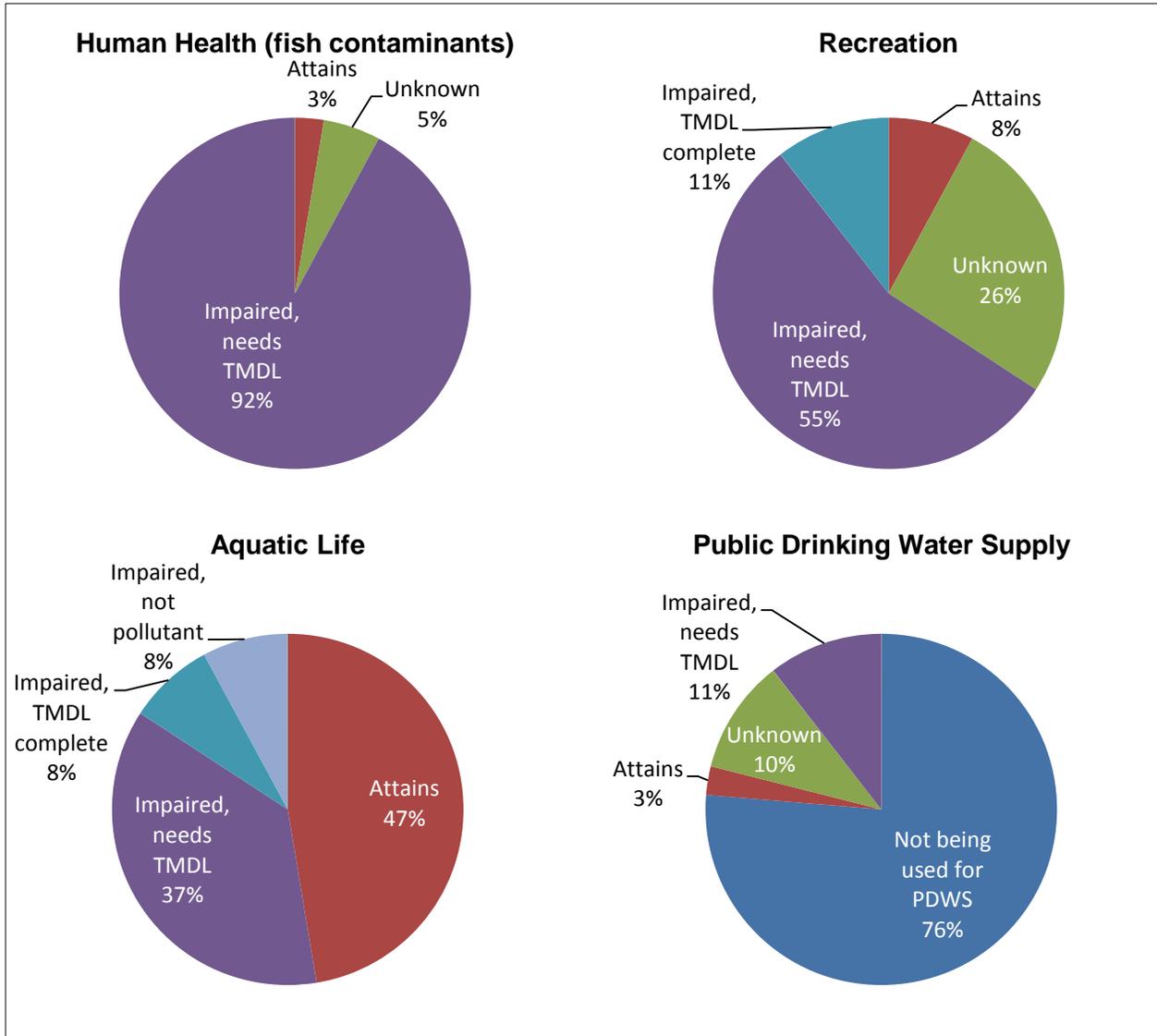


Figure J-4. Summary of 2014 IR results for large river assessment units by beneficial use.

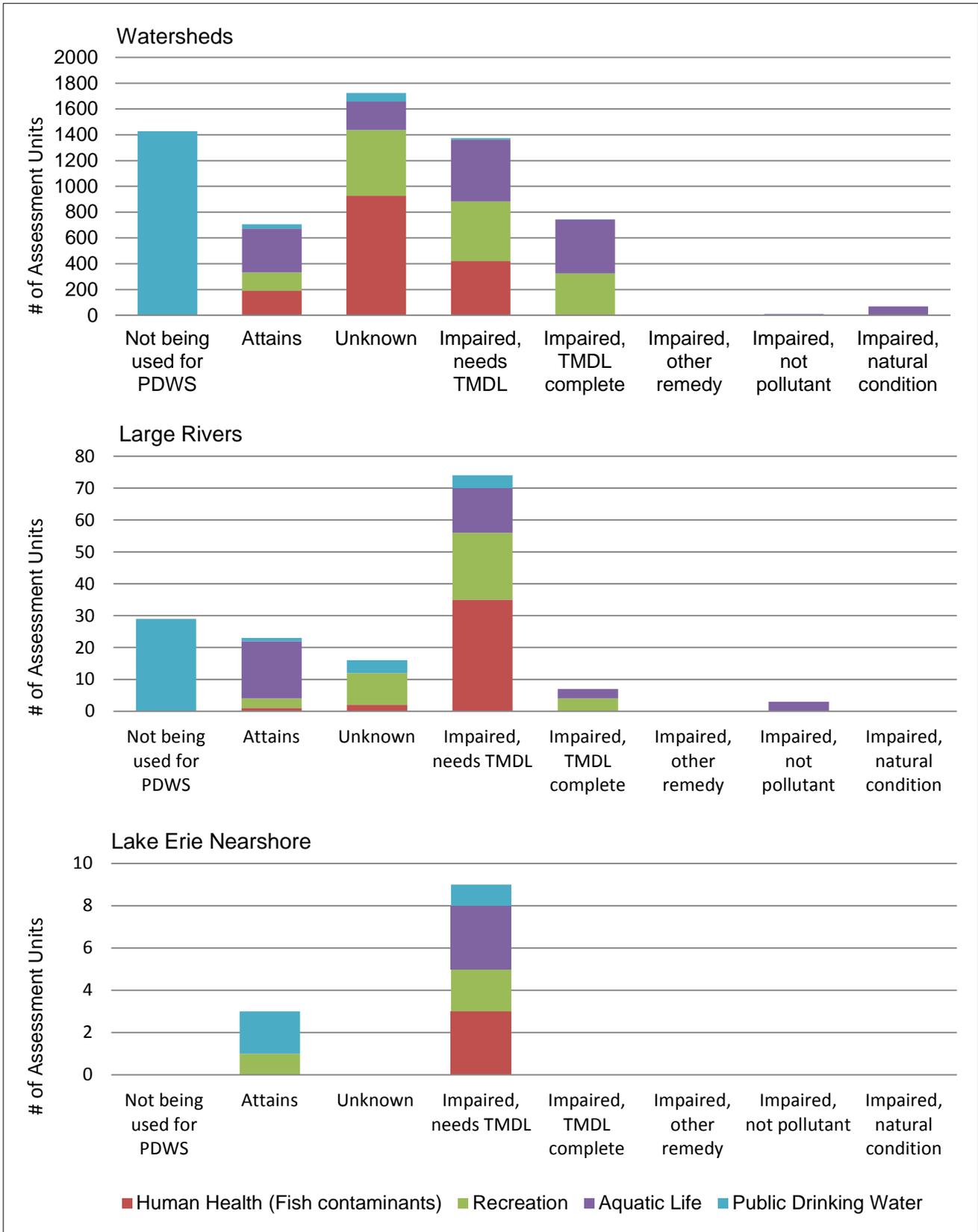


Figure J-5. Summary of 2014 results by assessment unit type.

## J4. Changes to the 2012 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 removing 282 assessment units and adding 177 units based on these four reasons:

- Change in methodology: either due to (1) continuation of the change to smaller assessment units introduced in 2010 (for aquatic life use only), or (2) new consideration of algae (public drinking water supply use only)
- Flaw in original listing: reason noted for each change. Most of the changes are for the Human Health Use (fish tissue) and are due to the reassignment of data from watershed assessment units to large river assessment units. The data were collected in the large rivers and should not have been included in the previous watershed AU analyses.
- New data: the assessment and interpretation of more recent data
- TMDL approved: approval by U.S. EPA of a TMDL.

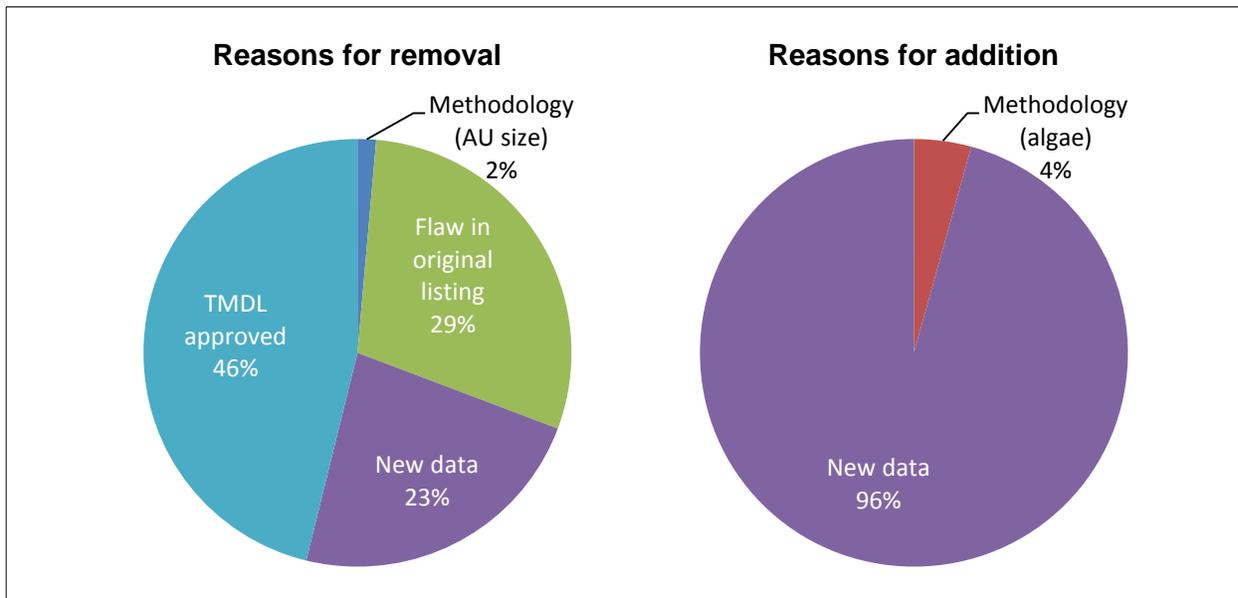
Table J-5 summarizes the number of watershed, large river, and Lake Erie nearshore assessment units being delisted from the 2012 303(d) list. Table J-6 and Figure J-6 summarize the number of assessment units being changed for each of the four reasons. Each assessment unit removed or added for each reason is presented in Tables J-7 through J-12.

**Table J-5. Number of assessment units removed from or added to the 303(d) list.**

	Number of Assessment Units			
	Watershed	Large River	Lake Erie	Total
<b>Delistings (Remove from 303(d) list)</b>				
Human Health (fish tissue)	90	0	0	<b>90</b>
Recreation	106	0	0	<b>106</b>
Aquatic Life	82	4	0	<b>86</b>
Public Drinking Water Supply	0	0	0	<b>0</b>
<b>Total</b>	<b>278</b>	<b>4</b>	<b>0</b>	<b>282</b>
<b>New Listings (Add to 303(d) list)</b>				
Human Health (fish tissue)	3	0	0	<b>3</b>
Recreation	136	6	0	<b>142</b>
Aquatic Life	24	0	0	<b>24</b>
Public Drinking Water Supply	6	1	1	<b>8</b>
<b>Total</b>	<b>169</b>	<b>7</b>	<b>1</b>	<b>177</b>

**Table J-6. Summary of reasons for changes to the 2014 303(d) list.**

Reason for Change	Number of Assessment Units	
	Removals	Additions
Change in methodology (2010 AU size)	4	0
Change in methodology (algae)	0	7
Flaw in original listing	84	0
New data	62	170
TMDL approved	132	--
<b>Total</b>	<b>282</b>	<b>177</b>



**Figure J-6. Summary of reasons for changes to the 2014 303(d) list.**

**Table J-7. Removals from 303(d) list because of change in methodology (2010 AU size).**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
ALU	05040001 15 03	Upper Little Stillwater Creek	5x	3
ALU	05060002 03 01	Dry Run	5hx	3i
ALU	05060002 13 04	Boswell Run-Scioto River	5x	3
ALU	05060002 16 05	Carroll Run-Scioto River	5hx	3

**Table J-8. Removals from the 303(d) list because of a flaw in the original listing analysis.**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category	Explanation of Flaw
ALU	04100007 05 01	Sugar Creek	5	1	Further analysis during TMDL corrected impairment status.
ALU	05030106 12 06	Wegee Creek-Ohio River	5	4n	Further analysis during TMDL corrected impairment status.
HHU	04100001 03 09	Detwiler Ditch-Frontal Lake Erie	5h	3	Data included in wrong assessment unit.
HHU	04100006 05 03	Village of Stryker-Tiffin River	5h	3	Data included in wrong assessment unit.
HHU	04100006 05 04	Coon Creek-Tiffin River	5h	3	Data included in wrong assessment unit.
HHU	04100007 02 02	Village of Buckland-Auglaize River	5h	3	Data included in wrong assessment unit.
HHU	04100007 09 07	Town of Oakwood-Auglaize River	5h	3	Data included in wrong assessment unit.
HHU	04100008 05 06	Village of Gilboa-Blanchard River	5	3	Data included in wrong assessment unit.
HHU	04100008 06 02	Pike Run-Blanchard River	5h	3	Data included in wrong assessment unit.
HHU	04100009 02 01	Preston Run-Maumee River	5	3	Data included in wrong assessment unit.
HHU	04100009 02 03	Wade Creek-Maumee River	5	3	Data included in wrong assessment unit.
HHU	04100009 02 07	Creager Cemetery-Maumee River	5	3	Data included in wrong assessment unit.
HHU	04100009 06 03	Haskins Road Ditch-Maumee River	5	3	Data included in wrong assessment unit.
HHU	04100009 09 03	Crooked Creek-Maumee River	5	3	Data included in wrong assessment unit.
HHU	04100009 09 04	Delaware Creek-Maumee River	5	3i	Data included in wrong assessment unit.
HHU	04100010 05 03	Lacarbe Creek-Frontal Lake Erie	5h	3	Data included in wrong assessment unit.
HHU	04100011 13 02	Indian Creek-Sandusky River	5	3	Data included in wrong assessment unit.
HHU	04110001 02 04	Cahoon Creek-Frontal Lake Erie	5h	3	Data included in wrong assessment unit.
HHU	04110001 06 03	Heider Ditch-Frontal Lake Erie	5h	3	Data included in wrong assessment unit.
HHU	04110002 04 05	Boston Run-Cuyahoga River	5	3	Data included in wrong assessment unit.
HHU	04110002 05 05	Willow Lake-Cuyahoga River	5	3	Data included in wrong assessment unit.
HHU	04110002 06 04	Cuyahoga Heights-Cuyahoga River	5	3	Data included in wrong assessment unit.
HHU	04110002 06 05	City of Cleveland-Cuyahoga River	5	3	Data included in wrong assessment unit.

HHU	04110004 01 04	Center Creek-Grand River	5h	3	Data included in wrong assessment unit.
HHU	04110004 01 05	Coffee Creek-Grand River	5h	3	Data included in wrong assessment unit.
HHU	04110004 06 03	Village of Mechanicsville-Grand River	5	3	Data included in wrong assessment unit.
HHU	04110004 06 07	Red Creek-Grand River	5	3	Data included in wrong assessment unit.
HHU	05030103 04 06	Chocolate Run-Mahoning River	5h	3	Data included in wrong assessment unit.
HHU	05030103 06 03	City of Warren-Mahoning River	5	3	Data included in wrong assessment unit.
HHU	05030103 07 05	Little Squaw Creek-Mahoning River	5	3	Data included in wrong assessment unit.
HHU	05030103 08 07	Dry Run-Mahoning River	5	3	Data included in wrong assessment unit.
HHU	05030106 12 04	Glenns Run-Ohio River	5h	3	Data included in wrong assessment unit.
HHU	05030204 06 06	Dorr Run-Hocking River	5	3	Data included in wrong assessment unit.
HHU	05030204 08 01	Hamley Run-Hocking River	5	3	Data included in wrong assessment unit.
HHU	05030204 08 04	Coates Run-Hocking River	5	3	Data included in wrong assessment unit.
HHU	05030204 10 01	Willow Creek-Hocking River	5	3	Data included in wrong assessment unit.
HHU	05030204 10 04	Frost Run-Hocking River	5	3	Data included in wrong assessment unit.
HHU	05040001 03 05	Town of Canal Fulton - Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 03 09	West Sippo Creek-Tuscarawas River	5h	3	Data included in wrong assessment unit.
HHU	05040001 12 02	City of Massillon-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 12 03	Wolf Creek-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 12 04	Wolf Run-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 17 04	Pone Run-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 18 02	Mud Run-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 18 04	Blue Ridge Run-Tuscarawas River	5	3	Data included in wrong assessment unit.
HHU	05040001 19 04	Morgan Run-Tuscarawas River	5	3	Data included in wrong assessment unit.

HHU	05040002 08 06	Flat Run-Mohican River	5	3	Data included in wrong assessment unit.
HHU	05040003 09 02	Dutch Run-Walhonding River	5	3	Data included in wrong assessment unit.
HHU	05040003 09 08	Crooked Creek-Walhonding River	5	3	Data included in wrong assessment unit.
HHU	05040004 03 01	Robinson Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 03 05	Blount Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 08 03	Duncan Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 08 08	Bell Creek-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 08 09	Olney Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 11 05	Congress Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 12 03	Cat Creek-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040004 12 04	Devol Run-Muskingum River	5	3	Data included in wrong assessment unit.
HHU	05040006 05 04	Bowling Green Run-Licking River	5h	3	Data included in wrong assessment unit.
HHU	05060001 05 05	Ottawa Creek-Scioto River	5	3	Data included in wrong assessment unit.
HHU	05060001 07 04	Moors Run-Scioto River	5	3	Data included in wrong assessment unit.
HHU	05060001 23 03	Grant Run-Scioto River	5h	3	Data included in wrong assessment unit.
HHU	05060002 04 03	Lick Run-Scioto River	5h	3	Data included in wrong assessment unit.
HHU	05060002 04 06	Blackwater Creek-Scioto River	5h	3	Data included in wrong assessment unit.
HHU	05060002 05 03	Lick Run-Scioto River	5	3i	Data included in wrong assessment unit.
HHU	05060002 11 05	Meadow Run-Scioto River	5h	3	Data included in wrong assessment unit.
HHU	05060002 13 04	Boswell Run-Scioto River	5	3	Data included in wrong assessment unit.
HHU	05060002 16 05	Carroll Run-Scioto River	5h	3	Data included in wrong assessment unit.
HHU	05060003 06 03	Cliff Creek-Paint Creek	5	3	Data included in wrong assessment unit.
HHU	05060003 10 03	City of Chillicothe-Paint Creek	5	3	Data included in wrong assessment unit.

HHU	05080001 19 03	Huffman Dam-Mad River	5	3	Data included in wrong assessment unit.
HHU	05080001 19 04	City of Dayton-Mad River	5	3	Data included in wrong assessment unit.
HHU	05080002 01 05	Town of Oakwood-Great Miami River	5	3	Data included in wrong assessment unit.
HHU	05080002 01 06	Opossum Creek-Great Miami River	5	3	Data included in wrong assessment unit.
HHU	05080002 07 02	Browns Run-Great Miami River	5h	3	Data included in wrong assessment unit.
HHU	05080002 07 06	Town of New Miami-Great Miami River	5	3	Data included in wrong assessment unit.
HHU	05080002 09 02	Banklick Creek-Great Miami River	5	3	Data included in wrong assessment unit.
HHU	05080002 09 04	Dry Run-Great Miami River	5h	3	Data included in wrong assessment unit.
HHU	05080002 09 06	Jordan Creek-Great Miami River	5h	3	Data included in wrong assessment unit.
HHU	05080002 09 07	Doublelick Run-Great Miami River	5h	3	Data included in wrong assessment unit.
HHU	05080003 08 10	Jameson Creek-Whitewater River	5	3	Data included in wrong assessment unit.
HHU	05090201 06 01	Crooked Creek-Ohio River	5h	3	Data included in wrong assessment unit.
HHU	05090201 06 05	Lawrence Creek-Ohio River	5h	3	Data included in wrong assessment unit.
HHU	05090202 09 03	Salt Run-Little Miami River	5	3	Data included in wrong assessment unit.
RU	05080002 01 06	Opossum Creek-Great Miami River	5	1	Data compared to wrong criteria (PCR-B instead of SCR).

**Table J-9. Removals from the 303(d) list because of new data.**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
ALU	04100001 03 03	Prairie Ditch	5hx	1
ALU	04100005 90 01	Maumee River Mainstem (IN border to Tiffin River)	5h	1
ALU	04100006 90 01	Tiffin River Mainstem (Brush Creek to mouth)	5h	1
ALU	04110003 01 01	East Branch Ashtabula River	5hx	4n
ALU	04110003 01 02	West Branch Ashtabula River	5hx	1
ALU	04110003 01 03	Upper Ashtabula River	5hx	1
ALU	05040001 14 03	Craborchard Creek-Stillwater Creek	5hx	1
ALU	05060002 01 01	Headwaters Deer Creek	5hx	1
ALU	05060002 01 02	Richmond Ditch-Deer Creek	5	4C
ALU	05060002 01 05	Oak Run	5hx	1
ALU	05060002 01 06	Turkey Run-Deer Creek	5hx	1
ALU	05060002 02 01	South Fork Bradford Creek-Bradford Creek	5hx	1
ALU	05060002 02 03	Opossum Run	5hx	1
ALU	05060002 02 04	Town of Mount Sterling-Deer Creek	5hx	1
ALU	05060002 02 07	Dear Creek Dam-Deer Creek	5hx	4C
ALU	05060002 03 02	Hay Run	5hx	4n
ALU	05060002 03 03	Waugh Creek	5hx	1
ALU	05060002 03 04	State Run-Deer Creek	5hx	1
ALU	05060002 04 01	Hargus Creek	5hx	1
ALU	05060002 04 03	Lick Run-Scioto River	5hx	1
ALU	05060002 04 04	Congo Creek	5hx	1
ALU	05060002 13 01	No Name Creek	5x	1
ALU	05060002 13 02	Headwaters Big Beaver Creek	5x	1
ALU	05060002 16 01	Camp Creek	5hx	4n
ALU	05060002 16 04	Pond Creek	5hx	4n
ALU	05060002 90 01	Scioto River Mainstem (Big Darby Creek to Paint Creek)	5	1
ALU	05060002 90 02	Scioto River Mainstem (Paint Creek to Sunfish Creek)	5	1
ALU	05090101 02 01	East Branch Raccoon Creek	5x	1
ALU	05090202 03 03	Mouth Anderson Fork	5	4n
ALU	05090202 04 04	Middle Caesar Creek	5	4n
ALU	05090202 04 06	Lower Caesar Creek	5	4n
ALU	05090202 13 04	Lick Fork-Stonelick Creek	5hx	1
HHU	04100003 01 06	Clear Fork-East Branch St Joseph River	5h	1
HHU	04100004 01 06	Fourmile Creek-St Marys River	5h	1
HHU	04110001 05 03	Wellington Creek	5h	1
HHU	05040004 11 04	Reasoners Run-Olive Green Creek	5h	1
HHU	05040006 05 03	Rocky Fork	5h	1
HHU	05060001 17 05	Town of Carroll-Walnut Creek	5h	1
HHU	05060002 10 05	Stony Creek-Scioto River	5h	1
HHU	05080001 04 03	Stoney Creek	5h	1
HHU	05080002 01 03	Dry Run-Wolf Creek	5	1
RU	04100012 05 06	Mouth West Branch Huron River	3i	5
RU	04110002 03 04	City of Akron-Little Cuyahoga River	3i	5
RU	04110002 05 01	Pond Brook	3i	5
RU	05030101 04 01	East Branch Middle Fork Little Beaver Creek	3i	5

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	05030103 08 01	Headwaters Mill Creek	3i	5
RU	05040002 02 04	Outlet Rocky Fork	5	1
RU	05040002 04 01	Honey Creek-Clear Fork Mohican River	5	1
RU	05040002 04 04	Pine Run	5	1
RU	05040002 04 05	Switzer Creek-Clear Fork Mohican River	5	1
RU	05040003 01 03	Job Run-North Branch Kokosing River	5	1
RU	05040003 03 01	Dry Creek	5	1
RU	05040003 04 03	Brush Run-Kokosing River	5	1
RU	05080002 05 03	Beasley Run-Sevenmile Creek	5h	1
RU	05090101 04 03	Meadow Run-Little Raccoon Creek	5	1
RU	05090201 03 04	Middle Fork Ohio Brush Creek	5	1
RU	05090201 04 01	Little West Fork Ohio Brush Creek	5	1
RU	05090201 04 02	Headwaters West Fork Ohio Brush Creek	5	1
RU	05090201 04 03	Cherry Fork	5	1
RU	05090201 04 04	Georges Creek-West Fork Ohio Brush Creek	5	1
RU	05090201 05 01	Little East Fork-Ohio Brush Creek	5	1
RU	05090201 05 02	Lick Fork	5	1

**Table J-10. Removals from the 303(d) list because of TMDLs approved.**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
ALU	04100009 09 02	Grassy Creek	5	4A
ALU	04100009 09 04	Delaware Creek-Maumee River	5	4A
ALU	04100010 07 01	Turtle Creek-Frontal Lake Erie	5	4A
ALU	04100010 07 02	Crane Creek-Frontal Lake Erie	5	4A
ALU	04100010 07 03	Cedar Creek-Frontal Lake Erie	5	4A
ALU	04100010 07 05	Berger Ditch	5	4A
ALU	04100010 07 06	Otter Creek-Frontal Lake Erie	5	4A
ALU	04110004 01 02	Headwaters Grand River	5	4A
ALU	04110004 01 04	Center Creek-Grand River	5	4A
ALU	04110004 02 02	Middle Rock Creek	5	4A
ALU	04110004 02 03	Lower Rock Creek	5	4A
ALU	04110004 03 02	Hoskins Creek	5	4A
ALU	04110004 03 03	Mill Creek-Grand River	5	4A
ALU	04110004 03 04	Mud Creek	5	4A
ALU	05040004 04 01	Valley Run	5	4A
ALU	05040004 05 01	Black Fork	5	4A
ALU	05040004 05 02	Upper Moxahala Creek	5	4A
ALU	05040004 05 03	Middle Moxahala Creek	5	4A
ALU	05040004 05 04	Lower Moxahala Creek	5	4A
ALU	05060003 01 02	East Fork Paint Creek	5	4A
ALU	05060003 01 03	Town of Washington Court House-Paint Creek	5	4A
ALU	05060003 02 01	Headwaters Sugar Creek	5	4A
ALU	05060003 02 02	Camp Run-Sugar Creek	5	4A
ALU	05060003 03 02	Grassy Branch	5	4A

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
ALU	05060003 03 03	West Branch Rattlesnake Creek	5	4A
ALU	05060003 03 04	Headwaters Rattlesnake Creek	5	4A
ALU	05060003 03 05	Waddle Ditch-Rattlesnake Creek	5	4A
ALU	05060003 04 01	South Fork Lees Creek	5	4A
ALU	05060003 04 03	Lees Creek	5	4A
ALU	05060003 05 05	Franklin Branch-Rocky Fork	5	4A
ALU	05060003 06 01	Indian Creek-Paint Creek	5	4A
ALU	05060003 06 02	Farmers Run-Paint Creek	5	4A
ALU	05060003 07 01	Buckskin Creek	5	4A
ALU	05060003 07 04	Sulphur Lick-Paint Creek	5	4A
ALU	05060003 09 03	Oldtown Run-North Fork Paint Creek	5	4A
ALU	05060003 10 02	Ralston Run	5	4A
ALU	05080001 01 03	Indian Lake-Great Miami River	5	4A
ALU	05080001 02 01	Willow Creek	5	4A
ALU	05080001 02 03	Little Muchnippi Creek	5	4A
ALU	05080001 02 04	Calico Creek-Muchnippi Creek	5	4A
ALU	05080001 03 02	Rennick Creek-Great Miami River	5	4A
ALU	05080001 03 03	Rum Creek	5	4A
ALU	05080001 03 05	Bokengehalas Creek	5	4A
ALU	05080001 03 06	Brandywine Creek-Great Miami River	5	4A
ALU	05080001 04 06	Turkeyfoot Creek-Great Miami River	5	4A
ALU	05080001 05 02	Mile Creek	5	4A
ALU	05080001 06 02	Painter Creek-Loramie Creek	5	4A
ALU	05080001 06 03	Turtle Creek	5	4A
RU	04100009 09 01	Grassy Creek Diversion	5	4A
RU	04100009 09 02	Grassy Creek	5	4A
RU	04100009 09 04	Delaware Creek-Maumee River	5	4A
RU	04100010 07 01	Turtle Creek-Frontal Lake Erie	5	4A
RU	04100010 07 02	Crane Creek-Frontal Lake Erie	5	4A
RU	04100010 07 03	Cedar Creek-Frontal Lake Erie	5	4A
RU	04100010 07 04	Wolf Creek-Frontal Lake Erie	5	4A
RU	04100010 07 05	Berger Ditch	5	4A
RU	04100010 07 06	Otter Creek-Frontal Lake Erie	5	4A
RU	04110004 01 01	Dead Branch	5	4A
RU	04110004 01 02	Headwaters Grand River	5	4A
RU	04110004 01 03	Baughman Creek	5	4A
RU	04110004 01 04	Center Creek-Grand River	5	4A
RU	04110004 01 05	Coffee Creek-Grand River	5	4A
RU	04110004 01 06	Swine Creek	5	4A
RU	04110004 02 01	Upper Rock Creek	5	4A
RU	04110004 02 02	Middle Rock Creek	5	4A
RU	04110004 02 03	Lower Rock Creek	5	4A
RU	04110004 03 01	Phelps Creek	5	4A
RU	04110004 03 02	Hoskins Creek	5	4A
RU	04110004 03 03	Mill Creek-Grand River	5	4A
RU	04110004 03 04	Mud Creek	5	4A

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	04110004 03 05	Plumb Creek-Grand River	5	4A
RU	04110004 05 01	Three Brothers Creek-Grand River	5	4A
RU	04110004 05 02	Bronson Creek-Grand River	5	4A
RU	05040004 04 01	Valley Run	5	4A
RU	05040004 04 02	Headwaters Jonathon Creek	5	4A
RU	05040004 04 03	Turkey Run	5	4A
RU	05040004 04 05	Kent Run	5	4A
RU	05040004 04 06	Thompson Run	5	4A
RU	05040004 04 07	Painter Creek-Jonathon Creek	5	4A
RU	05040004 05 01	Black Fork	5	4A
RU	05040004 05 04	Lower Moxahala Creek	5	4A
RU	05060003 01 01	Headwaters Paint Creek	5	4A
RU	05060003 01 02	East Fork Paint Creek	5	4A
RU	05060003 01 03	Town of Washington Court House-Paint Creek	5	4A
RU	05060003 02 01	Headwaters Sugar Creek	5h	4A
RU	05060003 02 02	Camp Run-Sugar Creek	5	4A
RU	05060003 03 01	Wilson Creek	5	4A
RU	05060003 03 03	West Branch Rattlesnake Creek	5	4A
RU	05060003 03 04	Headwaters Rattlesnake Creek	5	4A
RU	05060003 03 05	Waddle Ditch-Rattlesnake Creek	5	4A
RU	05060003 04 01	South Fork Lees Creek	5	4A
RU	05060003 04 03	Lees Creek	5	4A
RU	05060003 04 04	Walnut Creek	5	4A
RU	05060003 04 07	Big Branch-Rattlesnake Creek	5	4A
RU	05060003 05 02	Clear Creek	5	4A
RU	05060003 05 03	Headwaters Rocky Fork	5	4A
RU	05060003 05 05	Franklin Branch-Rocky Fork	5	4A
RU	05060003 06 01	Indian Creek-Paint Creek	5	4A
RU	05060003 06 02	Farmers Run-Paint Creek	5	4A
RU	05060003 07 01	Buckskin Creek	5	4A
RU	05060003 07 02	Upper Twin Creek	5	4A
RU	05060003 07 03	Lower Twin Creek	5	4A
RU	05060003 07 04	Sulphur Lick-Paint Creek	5	4A
RU	05060003 08 01	Thompson Creek	5	4A
RU	05060003 08 03	Headwaters Compton Creek	5	4A
RU	05060003 08 04	Mills Branch-Compton Creek	5	4A
RU	05060003 08 05	Mud Run-North Fork Paint Creek	5	4A
RU	05060003 09 02	Little Creek	5	4A
RU	05060003 09 03	Oldtown Run-North Fork Paint Creek	5	4A
RU	05060003 09 04	Biers Run-North Fork Paint Creek	5	4A
RU	05060003 10 02	Ralston Run	5	4A
RU	05060003 10 03	City of Chillicothe-Paint Creek	5	4A
RU	05080001 01 01	North Fork Great Miami River	5	4A
RU	05080001 01 02	South Fork Great Miami River	5	4A
RU	05080001 02 02	Headwaters Muchnippi Creek	5	4A
RU	05080001 02 03	Little Muchnippi Creek	5	4A

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	05080001 03 02	Rennick Creek-Great Miami River	5	4A
RU	05080001 03 03	Rum Creek	5	4A
RU	05080001 03 04	Blue Jacket Creek	5	4A
RU	05080001 03 05	Bokengehalas Creek	5	4A
RU	05080001 03 06	Brandywine Creek-Great Miami River	5	4A
RU	05080001 04 01	McKees Creek	5	4A
RU	05080001 04 02	Lee Creek	5	4A
RU	05080001 04 03	Stoney Creek	5	4A
RU	05080001 04 04	Indian Creek	5	4A
RU	05080001 04 05	Plum Creek	5	4A
RU	05080001 05 01	Headwaters Loramie Creek	5	4A
RU	05080001 05 02	Mile Creek	5	4A
RU	05080001 05 03	Lake Loramie-Loramie Creek	5	4A
RU	05080001 06 01	Nine Mile Creek	5	4A
RU	05080001 06 02	Painter Creek-Loramie Creek	5	4A
RU	05080001 06 04	Mill Creek-Loramie Creek	5	4A

**Table J-11. Additions to the 303(d) list because of change in methodology (algae).**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
PDWS	04100007 03 06	Lima Reservoir-Ottawa River	3i	5
PDWS	04110002 01 01	East Branch Reservoir-East Branch Cuyahoga River	1	5
PDWS	04110002 01 04	Ladue Reservoir-Bridge Creek	3i	5
PDWS	04110002 02 03	Lake Rockwell-Cuyahoga River	1	5
PDWS	05090202 12 03	Lucy Run-East Fork Little Miami River	1	5
PDWS	05120101 02 04	Grand Lake-St Marys	1	5
PDWS	24001 001	Lake Erie Western Basin Shoreline (including Maumee Bay and Sandusky Bay)	1	5

**Table J-12. Additions to the 303(d) list because of new data.**

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
ALU	04100002 03 04	Little Bear Creek-Bear Creek	3x	5
ALU	04110001 03 01	East Fork of East Branch Black River	1t	5d
ALU	04110001 03 02	Headwaters West Fork East Branch Black River	1t	5d
ALU	04110001 04 04	Jackson Ditch-East Branch Black River	1t	5d
ALU	04110001 05 01	Charlemont Creek	4A	5d
ALU	04110001 05 03	Wellington Creek	4A	5d
ALU	04110001 05 05	Plum Creek	4A	5d
ALU	04110001 05 06	Lower West Branch Black River	4A	5d
ALU	04110001 06 03	Heider Ditch-Frontal Lake Erie	3t	5d
ALU	04110002 05 01	Pond Brook	1	5
ALU	04110003 03 02	Headwaters Aurora Branch	4A	5d
ALU	05040001 13 01	Spencer Creek	3x	5
ALU	05040001 13 03	Boggs Fork	3x	5
ALU	05040001 16 01	Laurel Creek	3x	5
ALU	05040001 16 03	Weaver Run-Stillwater Creek	3x	5
ALU	05040005 06 03	White Eyes Creek	3x	5
ALU	05060001 06 02	Middle Mill Creek	4A	5d
ALU	05060001 06 03	Blues Creek	4A	5d
ALU	05060001 06 04	Lower Mill Creek	4A	5d
ALU	05060002 05 01	Kinnikinnick Creek	3x	5
ALU	05060002 11 01	Carrs Run	3x	5
ALU	05090202 01 02	North Fork Little Miami River	1t	5d
ALU	05090202 02 06	Shawnee Creek-Little Miami River	1	5d
ALU	05090202 04 03	South Branch Caesar Creek	1	5d
ALU	05090202 05 03	Glady Run	4A	5d
ALU	05090202 14 04	Duck Creek	4A	5d
ALU	05090202 14 06	Clough Creek-Little Miami River	4A	5d
HHU	04100006 06 04	Buckskin Creek-Tiffin River	3	5
HHU	05060002 11 04	Pee Pee Creek	3	5
HHU	05060002 12 06	Leeth Creek-Sunfish Creek	3	5
PDWS	04100009 90 02	Maumee River Mainstem (Beaver Creek to Maumee Bay)	1	5h
RU	04100001 03 01	Shantee Creek	3	5
RU	04100001 03 02	Halfway Creek	3	5
RU	04100001 03 03	Prairie Ditch	3	5
RU	04100001 03 04	Headwaters Tenmile Creek	3	5
RU	04100001 03 05	North Tenmile Creek	3	5
RU	04100001 03 06	Tenmile Creek	3	5
RU	04100001 03 07	Heldman Ditch-Ottawa River	3	5
RU	04100001 03 08	Sibley Creek-Ottawa River	3	5
RU	04100002 03 04	Little Bear Creek-Bear Creek	3	5
RU	04100003 03 05	Bear Creek	3	5
RU	04100004 01 06	Fourmile Creek-St Marys River	3	5
RU	04100005 90 01	Maumee River Mainstem (IN border to Tiffin River)	3	5
RU	04100006 03 03	Flat Run-Tiffin River	3	5
RU	04100006 90 01	Tiffin River Mainstem (Brush Creek to mouth)	3	5

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	04100007 06 04	Dry Fork-Little Auglaize River	3	5
RU	04100009 04 02	North Turkeyfoot Creek	3	5
RU	04100009 05 04	Upper Yellow Creek	3	5
RU	04100009 05 09	Lower Beaver Creek	3	5
RU	04100009 06 03	Haskins Road Ditch-Maumee River	3	5
RU	04100009 90 01	Maumee River Mainstem (Tiffin River to Beaver Creek)	3i	5
RU	04100009 90 02	Maumee River Mainstem (Beaver Creek to Maumee Bay)	3i	5
RU	04110001 07 02	Mouth Beaver Creek	3	5
RU	04110002 02 02	Feeder Canal-Breakneck Creek	3	5
RU	04110002 03 03	Wingfoot Lake outlet-Little Cuyahoga River	3	5
RU	04110003 01 01	East Branch Ashtabula River	3	5
RU	04110003 01 02	West Branch Ashtabula River	3	5
RU	04110003 01 03	Upper Ashtabula River	3	5
RU	04110003 01 04	Middle Ashtabula River	3	5
RU	04110003 01 05	Lower Ashtabula River	3	5
RU	05030101 04 04	Lisbon Creek-Middle Fork Little Beaver Creek	3	5
RU	05030101 06 02	Honey Creek	3	5
RU	05030101 06 06	Leslie Run-Bull Creek	3	5
RU	05030103 05 03	Lower Mosquito Creek	3	5
RU	05030103 07 01	Upper Meander Creek	3	5
RU	05030103 07 02	Middle Meander Creek	3	5
RU	05030103 07 03	Lower Meander Creek	3	5
RU	05030103 08 05	Headwaters Yellow Creek	3	5
RU	05030103 08 06	Burgess Run-Yellow Creek	3	5
RU	05030103 90 01	Mahoning River Mainstem (Eagle Creek to Pennsylvania Border)	3i	5
RU	05030204 05 03	Snow Fork	1	5
RU	05040001 13 01	Spencer Creek	3	5
RU	05040001 13 02	Headwaters Stillwater Creek	3	5
RU	05040001 14 01	Skull Fork	3	5
RU	05040001 14 02	Brushy Fork	3	5
RU	05040001 14 03	Craborchard Creek-Stillwater Creek	3	5
RU	05040001 15 01	Clear Fork	3	5
RU	05040001 15 02	Standingstone Fork	3	5
RU	05040001 15 03	Upper Little Stillwater Creek	3	5
RU	05040001 16 01	Laurel Creek	3	5
RU	05040001 16 02	Crooked Creek	3	5
RU	05040001 16 04	Town of Uhrichsville-Stillwater Creek	3	5
RU	05040004 12 02	Rainbow Creek	3	5
RU	05040004 12 03	Cat Creek-Muskingum River	3	5
RU	05040004 12 04	Devol Run-Muskingum River	3	5
RU	05040005 05 04	Sarchet Run-Wills Creek	3	5
RU	05040006 04 04	Buckeye Lake Reservoir Feeder	1	5
RU	05060001 06 01	Upper Mill Creek	3	5
RU	05060001 06 04	Lower Mill Creek	3	5
RU	05060001 12 02	O'Shaughnessy Dam-Scioto River	1	5
RU	05060001 21 02	Silver Ditch-Big Darby Creek	3	5

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	05060002 01 01	Headwaters Deer Creek	3	5
RU	05060002 01 03	Glade Run	3	5
RU	05060002 01 04	Walnut Run	3	5
RU	05060002 01 05	Oak Run	3	5
RU	05060002 01 06	Turkey Run-Deer Creek	3	5
RU	05060002 02 01	South Fork Bradford Creek-Bradford Creek	3	5
RU	05060002 02 02	Sugar Run	3	5
RU	05060002 02 03	Opossum Run	3	5
RU	05060002 02 04	Town of Mount Sterling-Deer Creek	3	5
RU	05060002 02 05	Deer Creek Lake-Deer Creek	3	5
RU	05060002 02 06	Buskirk Creek	3	5
RU	05060002 02 07	Dear Creek Dam-Deer Creek	3	5
RU	05060002 03 01	Dry Run	3	5
RU	05060002 03 02	Hay Run	3	5
RU	05060002 03 03	Waugh Creek	3	5
RU	05060002 03 04	State Run-Deer Creek	3	5
RU	05060002 04 01	Hargus Creek	3	5
RU	05060002 04 02	Yellowbud Creek	3	5
RU	05060002 04 03	Lick Run-Scioto River	3	5
RU	05060002 04 04	Congo Creek	3	5
RU	05060002 04 05	Scippo Creek	3	5
RU	05060002 04 06	Blackwater Creek-Scioto River	3	5
RU	05060002 05 01	Kinnikinnick Creek	3	5
RU	05060002 05 02	Dry Run-Scioto River	3	5
RU	05060002 05 03	Lick Run-Scioto River	3	5
RU	05060002 08 03	Horse Creek-Little Salt Creek	1h	5
RU	05060002 10 01	Indian Creek	3	5
RU	05060002 10 02	Dry Run	3	5
RU	05060002 10 03	Headwaters Walnut Creek	3	5
RU	05060002 10 04	Lick Run-Walnut Creek	3	5
RU	05060002 11 01	Carrs Run	3	5
RU	05060002 11 02	Left Fork Crooked Creek	3	5
RU	05060002 11 03	Crooked Creek	3	5
RU	05060002 11 05	Meadow Run-Scioto River	3	5
RU	05060002 12 01	Headwaters Sunfish Creek	3	5
RU	05060002 12 04	Grassy Fork-Sunfish Creek	3	5
RU	05060002 12 05	Chenoweth Fork	3	5
RU	05060002 12 06	Leeth Creek-Sunfish Creek	3	5
RU	05060002 13 02	Headwaters Big Beaver Creek	3	5
RU	05060002 13 03	Little Beaver Creek-Big Beaver Creek	3	5
RU	05060002 16 01	Camp Creek	3	5
RU	05060002 16 03	Bear Creek-Scioto River	3	5
RU	05060002 16 04	Pond Creek	3	5
RU	05060002 90 01	Scioto River Mainstem (Big Darby Creek to Paint Creek)	3	5
RU	05080001 12 02	Swamp Creek	3	5
RU	05080001 14 06	Town of Irvington-Stillwater River	3	5

Use	Assessment Unit Number	Assessment Unit Name	2012 Category	2014 Category
RU	05080001 16 07	Bogles Run-Mad River	3	5
RU	05080001 19 03	Huffman Dam-Mad River	3	5
RU	05090201 10 03	Big Run-Whiteoak Creek	1	5
RU	05090201 11 06	Bear Creek-Ohio River	3	5
RU	05090202 01 01	Headwaters Little Miami River	3	5
RU	05090202 01 02	North Fork Little Miami River	3	5
RU	05090202 01 03	Buffenbarger Cemetery-Little Miami River	3	5
RU	05090202 02 01	North Fork Massies Creek	3	5
RU	05090202 02 02	South Fork Massies Creek	3	5
RU	05090202 02 03	Massies Creek	1h	5
RU	05090202 02 05	Beaver Creek	3	5
RU	05090202 02 06	Shawnee Creek-Little Miami River	3	5
RU	05090202 03 01	Headwaters Anderson Fork	3	5
RU	05090202 03 02	Painters Run-Anderson Fork	3	5
RU	05090202 03 03	Mouth Anderson Fork	3	5
RU	05090202 04 01	North Branch Caesar Creek	3	5
RU	05090202 04 02	Upper Caesar Creek	3	5
RU	05090202 04 03	South Branch Caesar Creek	3	5
RU	05090202 05 01	Sugar Creek	3	5
RU	05090202 05 02	Town of Bellbrook-Little Miami River	3	5
RU	05090202 05 03	Glady Run	3	5
RU	05090202 05 04	Newman Run-Little Miami River	1	5
RU	05090202 08 03	Turtle Creek	1	5
RU	05090202 09 02	O'Bannon Creek	1	5
RU	05090202 09 03	Salt Run-Little Miami River	3	5
RU	05090202 10 01	Turtle Creek	3	5
RU	05090202 10 02	Headwaters East Fork Little Miami River	3	5
RU	05090202 10 04	Anthony Run-Dodson Creek	3	5
RU	05090202 10 05	West Fork East Fork Little Miami River	3	5
RU	05090202 10 06	Glady Creek-East Fork Little Miami River	3	5
RU	05090202 11 01	Solomon Run-East Fork Little Miami River	3	5
RU	05090202 11 02	Fivemile Creek-East Fork Little Miami River	3	5
RU	05090202 12 02	Cloverlick Creek	3	5
RU	05090202 13 03	Moore's Fork-Stonelick Creek	3	5
RU	05090202 13 04	Lick Fork-Stonelick Creek	3	5
RU	05090203 01 01	East Fork Mill Creek-Mill Creek	3	5

## J5. 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.

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Over the past few years, TMDL projects transitioned from the old HUC11-scale watersheds to the new, smaller HUC12-scale watersheds. Through 2009, TMDLs were completed using the HUC11-scale assessment units. Projects submitted for approval after April 1, 2010, reflect the new HUC12-size units. Tables in Section J4 and the TMDL status map in Section K reflect current information based on the HUC12 units.

### **J5.1. Ohio TMDL Status**

Ohio EPA is currently working on TMDLs in about 75 project areas, encompassing more than half of Ohio, as illustrated in the “Ohio TMDL Program Progress” map in Section K. Most of these TMDLs address aquatic life use and recreation use impairments. TMDLs in about 50 of the areas are approved, and implementation is proceeding. Table J-13 summarizes Ohio TMDLs approved by U.S. EPA at the 11-digit hydrologic unit level. Table J-14 summarizes Ohio TMDLs approved by U.S. EPA at the 12-digit hydrologic unit level.

### **J5.2. Long-Term Schedules for Monitoring and TMDLs**

Ohio’s five-year basin approach (see Section D) provides a foundation for scheduling monitoring and TMDL projects. The assessment methodology allows that, generally, aquatic life use monitoring data up to ten years old may be considered in judging assessment units, so it follows that each assessment unit must be monitored at least once every ten years to maintain coverage. However, resources to maintain this pace are no longer available; cycling through the entire basin rotation would take about 15 to 20 years at current resource levels. Thus, each assessment unit is assigned to one of the next three monitoring cycles using the following factors:

- Ohio EPA’s five-year basin monitoring strategy
- time since most recent assessment
- distribution of work effort among Ohio EPA district offices
- priority ranking
- TMDL schedule.

Experience in completing TMDLs indicates that local involvement is a key to success. However, it is difficult to gauge the level of local interest sufficient to sustain a TMDL effort. Thus, the schedule is flexible and can be influenced by expressions of local interest to support a TMDL (e.g., significant interest from local citizens and decision-makers, especially combined with involvement from local governments).

In an effort to maintain the monitoring and TMDL schedule, Ohio EPA is committed to researching and pursuing additional resources, both in terms of funding and partnering opportunities. Ohio’s credible data law (ORC 6111.52) requires level three credible data to establish a TMDL and to identify, list and delist waters of the state for purposes of §303(d).

The scheduling and TMDL information is reported on the table in Section L5. A map illustrating the long-term monitoring schedule is included in Section K. Detailed information for each assessment unit is also available on the IR web site (<http://wwwapp.epa.ohio.gov/gis/mappointal/IR2014.html>).

### J5.3 Short-Term Schedule for TMDL Development

Ohio EPA has scheduled several TMDL projects during the next two years, as indicated in Table J-16. Because Ohio's TMDL process begins with a watershed assessment, all TMDLs to be completed in the next two years are already in progress.

The TMDL goal is restoration of the designated uses through the attainment of applicable criteria. Pollutants to be targeted for pollutant load characterization and as measures of interim progress will be determined as part of the TMDL process described in Section C1.

**Table J-13. Ohio TMDLs<sup>1</sup> approved by U.S. EPA at the 11-digit hydrologic unit scale.**

Assessment Unit Code	Assessment Unit Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>
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)		
05060001 060	Bokes Creek (Scioto River above Bokes Creek to above Mill Creek)	09/27/2002 07/31/2003	phosphorus, sediment
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

Assessment Unit Code	Assessment Unit Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>		
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	ammonia, phosphorus, pathogens, sediment
04100007 020	Auglaize River (below Pusheta Creek to above Jennings Creek)				
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)				

Assessment Unit Code	Assessment Unit Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>
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)		
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)		

Assessment Unit Code	Assessment Unit Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>
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)		
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		
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)		

Assessment Unit Code	Assessment Unit Name	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>
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)		
04100009 070	Swan Creek (headwaters to above Blue Creek)	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 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)		
05080002 030	Twin Creek (headwaters to above Bantas Fork)	3/4/2010	fecal coliform, sediment
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)		

<sup>1</sup> One or more assessment units may be included in a TMDL report. The determination is made on a project-by-project basis, at the discretion of Ohio EPA.

<sup>2</sup> 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.

**Table J-14. Ohio TMDLs<sup>1</sup> approved by U.S. EPA at the 12-digit hydrologic unit scale.**

Assessment Unit Code	Name of 10-digit Hydrologic Unit	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>
05080001 09 01 – 06	Headwaters Stillwater River	9/8/2009 <sup>3</sup>	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 Loramie Creek		

Assessment Unit Code	Name of 10-digit Hydrologic Unit	U.S. EPA Approval Date	Pollutants Allocated, per U.S. EPA <sup>2</sup>		
05080001 06 01 – 04	Turtle Creek-Loramie 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				
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				

<sup>1</sup> One or more assessment units may be included in a TMDL report. The determination is made on a project-by-project basis, at the discretion of Ohio EPA.

<sup>2</sup> 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.

<sup>3</sup> The TMDL was revised for one pollutant.

**Table J-15. Short-term schedule for TMDL development.**

Assessment Unit Code	Assessment Unit Name
<b>TMDLs approved by U.S. EPA after public review of 2014 303(d) list began</b>	
None at this time	
<b>TMDLs pending approval by U.S. EPA</b>	
04100007 03 01 – 06	Upper Ottawa River
04100007 04 01 – 06	Middle Ottawa River
04100007 05 01 – 03	Lower Ottawa River
<b>TMDLs expected to be submitted to U.S. EPA in FFY 2014</b>	
05060001 01 01 – 04	Headwaters Scioto River
05060001 02 01 – 03	Rush Creek
05060001 03 01 – 04	Little Scioto River
05060001 04 01 – 06	Panther Creek-Scioto River
05060001 05 01 – 05	Fulton Creek-Scioto River
05060001 06 01 – 04	Mill Creek
05060001 90 01	Scioto River Mainstem (L. Scioto R. to Olentangy R.); excluding O'Shaughnessy and Griggs reservoirs
04100011 01 01 – 03	Lower Sandusky
04100011 02 01 – 05	Pickrel Creek-Frontal Sandusky Bay
04100011 10 01 – 04	Wolf Creek
04100011 11 01 – 05	Rock Creek-Sandusky River
04100011 90 01	Sandusky River Mainstem (Tymochtee Creek to Wolf Creek)
04100011 90 02	Sandusky River Mainstem (Wolf 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
05040002 01 01 – 05	Headwaters Black Fork Mohican River
05040002 02 01 – 04	Rocky Fork-Black Fork Mohican River
05040002 03 01 – 03	Headwaters Clear Fork Mohican River
05040002 04 01 – 05	Possum Run-Clear Fork Mohican River
05040002 05 01 – 03	Muddy Fork Mohican River
05040002 06 01 – 06	Jerome Fork-Mohican River
05040002 07 01 – 03	Lake Fork Mohican River
05040002 08 01 – 06	Mohican River
05040002 90 01	Mohican River Mainstem (entire length)
05040006 01 01 – 04	Headwaters North Fork Licking River
05040006 02 01 – 05	Lake Fork Licking River-North Fork Licking River
05040006 03 01 – 04	Raccoon Creek
05040006 04 01 – 09	South Fork Licking River
05040006 05 01 – 04	Rocky Fork-Licking River
05040006 06 01 – 04	Big Run-Licking River
<b>TMDLs expected to be submitted to U.S. EPA in FFY 2015</b>	
05060001 12 01 – 05	Indian Run-Scioto River
05060001 23 01 – 06	Scioto Big Run-Scioto River
05060001 90 02	Scioto River Mainstem (Olentangy River to Big Darby Creek)
05030102 01 04 – 05	Pymatuning Reservoir-Shenango River
05030102 03 01 – 04	Pymatuning Creek
05030102 04 01	Big Run-Shenango River
05030102 06 01 – 03, 06	Yankee Run-Shenango River

Assessment Unit Code	Assessment Unit Name
05030106 07 01 – 04	McMahon Creek
05030106 09 01 – 06	Captina Creek
05030106 12 01, 02, 04 – 08	Piney Fork-Short Creek
05030201 01 01 – 04	Sunfish Creek
05030201 10 01 – 10	French Creek-Ohio River
05040003 01 01 – 03	North Branch Kokosing River
05040003 02 01 – 03	Headwaters Kokosing River
05040003 03 01 – 07	Schenck Creek-Kokosing River
05040003 04 01 – 03	Jelloway Creek-Kokosing River
05040003 05 01 – 05	Headwaters Killbuck Creek
05040003 05 02 – 07	Apple Creek-Killbuck Creek
05040003 05 03 – 05	Paint Creek-Killbuck Creek
05040003 05 04 – 05	Doughty Creek-Killbuck Creek
05080001 07 01 – 05	Tawawa Creek-Great Miami River
05080001 08 01 – 05	Lost Creek-Great Miami River
05080001 20 01 – 05	Honey Creek-Great Miami River
05080001 90 01	Great Miami River mainstem (Tawawa Creek to Mad River)
04100005 90 01	Maumee River Mainstem (IN border to Tiffin River)
04100009 90 01	Maumee River Mainstem (Tiffin River to Beaver Creek)
04100009 90 02	Maumee River Mainstem (Beaver Creek to Maumee Bay)
04110003 01 01 - 05	Ashtabula River
05090202 10 01 - 06	Headwaters East Fork Little Miami River
05090202 11 01 - 03	Fivemile Creek-East Fork Little Miami River
05090202 12 01 - 04	Cloverlick Creek-East Fork Little Miami River
05090202 13 01 - 05	Stonelick Creek-East Fork Little Miami River
05040001 13 01 - 04	Upper Stillwater Creek
05040001 14 01 - 03	Middle Stillwater Creek
05040001 15 01 - 05	Little Stillwater Creek
05040001 16 01 - 04	Lower Stillwater Creek
05080002 01 01 – 07	Wolf Creek-Great Miami River
05080002 04 01 – 04	Bear Creek-Great Miami River
05080002 07 01 – 06	Dicks Creek-Great Miami River
05080002 09 01 – 07	Taylor Creek-Great Miami River
05080002 90 01	Great Miami River Mainstem (Mad River to Four Mile Creek)
05080002 90 02	Great Miami River Mainstem (Four Mile Creek to Ohio River)
04100001 03 01 - 09	Ottawa River-Frontal Lake Erie
04100002 03 01, 03, 04	Little River Raisin-River Raisin
05060002 01 01 - 06	Headwaters Deer Creek
05060002 02 01 - 07	Sugar Run-Deer Creek
05060002 03 01 - 04	Hay Run-Deer Creek
<b>TMDLs expected to be submitted to U.S. EPA in FFY 2016</b>	
05040003 09 01 – 08	Mill Creek-Walwhonding River
05040004 03 01 – 05	Symmes Creek-Muskingum River
05040004 08 01 – 09	Brush Creek-Muskingum River
05090103 01 01, 03 – 07	Ice Creek-Ohio River
05090103 02 01 – 05	Pine Creek
05090103 05 01 – 04	Headwaters Little Scioto River
05090103 06 01 – 06	Little Scioto River-Ohio River

Assessment Unit Code	Assessment Unit Name
05040001 04 01 – 06	Headwaters Sandy Creek
05040001 06 01 – 07	Little Sandy Creek-Sandy Creek
05030101 10 01 – 05	Salem Creek-Cross Creek
05030101 11 02, 03, 06, 07, 09	Kings Creek-Ohio River
05030106 02 01 – 07	Piney Fork-Short Creek
05030106 03 01 – 04	Crabapple Creek-Wheeling Creek
05030106 12 01, 02, 04 – 08	Short Creek-Ohio River
05060002 04 01 - 06	Scippo Creek-Scioto River
05060002 05 01 - 03	Kinnikinnick Creek-Scioto River
05060002 10 01 - 05	Walnut Creek-Scioto River
05060002 11 01 - 05	Pee Pee Creek-Scioto River
05060002 12 01 - 06	Sunfish Creek
05060002 13 01 - 04	Big Beaver Creek-Scioto River
05060002 16 01 - 05	Camp Creek-Scioto River
05060002 90 02	Scioto River Mainstem (Paint Creek to Sunfish Creek)
05060002 90 03	Scioto River Mainstem (Sunfish Creek to Ohio River)
05090202 01 01 - 04	Headwaters Little Miami River
05090202 02 01 - 06	Massies Creek-Little Miami River
05090202 03 01 - 03	Anderson Fork
05090202 04 01 - 06	Caesar Creek
05090202 05 01 - 04	Sugar Creek-Little Miami River
04110001 03 01 - 03	Headwaters East Branch Black River
04110001 04 01 - 04	East Branch Black River
04110001 05 01 - 06	West Branch Black River
04110001 06 01 - 03	Black River
05060001 06 01- 04	Mill Creek (Scioto)