

November 2008

Surface Water Quality Standards – Draft Revisions to Use Designation Rules (OAC 3745-1)

Important Notice: This rulemaking revises, or assigns for the first time, beneficial use designations for selected water bodies in the State. These changes are not affected by the changes in the four interrelated rule packages (water quality standards, 401 water quality certification, antidegradation, and stream mitigation) that are or will soon be available for comment. Information on those four rule packages is available on the Web at http://www.epa.state.oh.us/dsw/rules/draft_wqs_aug08.html. This is the Agency's annual use designation rulemaking to incorporate the results of recent biological surveys. The changes in this rule package are not dependent on any of the changes in the other four rule packages. Therefore, this rulemaking is proceeding independently from those other four rule packages.

What are water quality standards?

Water quality standards are state regulations or rules that protect lakes, rivers, streams and other surface water bodies from pollution. The rules are in Chapter 3745-1 of the Ohio Administrative Code (OAC). These rules contain: beneficial use designations such as warmwater aquatic life habitat, public water supply and primary contact recreation; numeric levels and narrative statements (water quality criteria) protective of the use designations; and procedures for applying the water quality criteria to wastewater dischargers.

Which water quality standards rules are under review at this time?

This rulemaking includes amendments to five rules that address beneficial use designations. See page 5 of this fact sheet for a listing of the draft rules.

What are beneficial use designations?

A goal of the Clean Water Act is to achieve fishable and swimmable conditions in water bodies, wherever attainable. The fishable and swimmable goals equate to the warmwater habitat (WWH) and primary contact recreation (PCR) use designations in Chapter 3745-1 of the OAC. The use designations are defined in rule 3745-1-07 of the OAC and are briefly discussed below. The water quality criteria protective of the designated uses are found in rules 3745-1-07, 3745-1-33 and 3745-1-34 of the OAC.

Beneficial use designations are the water quality goals for lakes, rivers, streams and other water bodies. Designations include such uses as aquatic life habitats (warmwater, coldwater, etc.), recreation (bathing waters, primary contact, secondary contact) and water supplies (public, agricultural, industrial).

Beneficial use designations are assigned to specific water bodies in Chapter 3745-1 of the OAC. Each of the 23 major drainage basins or watersheds in the state is assigned a rule in Chapter 3745-1.

Specific water quality criteria are associated with each beneficial use

and are the specific target conditions to be maintained in the water bodies. Together the uses and criteria may be the basis for permit limits in wastewater discharge permits, conditions in Section 401 water quality certifications, and targets in the Total Maximum Daily Load (TMDL) program. Changes in the use designations must be adopted as water quality standard rule revisions.

Why are the rules being amended; what types of changes are being considered?

State law and the federal Clean Water Act require Ohio EPA to periodically update rules to reflect the latest scientific information. The Agency has evaluated information regarding beneficial use designations for selected water bodies in five of the 23 major drainage basins in the state.

Five broad types of changes are being considered: 1) changing the aquatic life, water supply and recreation beneficial use designations for specific water bodies; 2) adding water bodies that are currently undesignated to the rules; 3) verifying existing beneficial use designations already listed in the rules; 4) removing the state resource water (SRW) use



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designation from those water bodies for which a more recent antidegradation category was assigned; and 5) identifying the locations of public water supply intakes.

Changes, additions and verifications of existing beneficial use designations are based upon the findings of biological, habitat, and water quality surveys. Other available pertinent information is also consulted, including information and comments from interested persons.

The SRW designation is being phased out of the water quality standards rules (see paragraph (A)(25) of rule 3745-1-05 of the OAC). In its place are antidegradation categories, such as general high quality water, superior high quality water and outstanding state water. The water bodies in this rulemaking for which the SRW designations are being removed have been surveyed and appropriate antidegradation categories have been assigned in rule 3745-1-05 of the OAC.

Where did the new information come from?

The new information for this rulemaking came from water body surveys. The Agency has an ongoing 5-year basin monitoring schedule that rotates monitoring efforts across the state. The monitoring program consists of surveying the chemical, physical and biological characteristics of selected water bodies throughout the state each year, following the 5-year basin cycle. The purposes of these surveys include determining the present health and uses of the water bodies and predicting the potential health and uses of the water bodies if additional pollution controls were imposed. These draft rule revisions, incorporating the results of water body surveys conducted in 2006 and 2007, reflect the Agency's responsibility to assign beneficial water uses.

Although the Agency has used

the water body survey approach to determine applicable use designations for over 20 years, many water bodies have still not been surveyed.

In the 1978 water quality standards rules, only a small number of water bodies were listed with their use designations, determined from information available at the time. All other surface water bodies were assigned the WWH and PCR use designations by default.

The 1985 water quality standards rules listed all water bodies identified in the Ohio Department of Natural Resources Gazetteer of Ohio Streams and clearly identified their assigned use designations. For most water bodies, the WWH and PCR default use designations were carried over. The 1985 water quality standards rules and subsequent rulemakings included use designations resulting from water body surveys.

Since 1985, the water quality standards rules have distinguished between use designations carried over from the 1978 water quality standards rules (indicated by asterisks) and those based on the results of water body surveys (indicated by plus signs). Since 1978, the reason for most use designation changes has been that water body surveys show that the default use designations for those water bodies are not attainable. Although it may appear from this fact sheet that water quality is getting either better or worse, nearly all use designation changes are the results of the water body surveys demonstrating that the 1978 default use designations are not correct.

Federal regulations prohibit removal of existing uses, defined as those uses actually attained in the water body on or after November 28, 1975. Therefore, changes to allow a lower use designation may occur if the existing use for that water body, as designated in the water quality standards, has never been verified by a biological and habitat survey, and

the current designated use is not attainable, as determined through the use attainability analysis.

For information on the current conditions of Ohio water bodies and trends in water quality, see the Ohio EPA Integrated Water Quality Monitoring and Assessment Report. It is available on the Web at www.epa.state.oh.us/dsw. Look for it in the DSW Topic Index at the top of the Web page.

How many water bodies are involved with these rule changes?

Results of water body surveys, conducted in 2006 and 2007, indicate that changes in the beneficial use designations are needed for 144 water bodies in five drainage basins. Verification of existing uses are included for 105 water bodies in those five drainage basins.

Table 1 lists the rules and identifies the types of changes under consideration. Figure 1 identifies the particular areas within the drainage basins for which aquatic life use designation changes are being considered. Table 2 summarizes the use designation changes. Noteworthy highlights follow Table 2. Specific use designation changes for each water body being considered for revisions are listed in Attachment A at the end of this fact sheet.

I'm interested in a particular water body. How can I tell if its use designations are being considered for revision?

Figure 1 is a map identifying county and watershed boundaries. From this map locate the rule number for your area of interest. If you believe the particular water body is in one of these watersheds, consult the applicable rule or the detailed

summary of use designation changes attached to the end of this fact sheet.

How will the changes affect controls placed on water pollution?

Some changes will bring about more stringent controls and other changes may allow less stringent controls. The assigned use designation governs the levels of chemical water quality criteria that apply to protect the use designation. The coldwater and exceptional warmwater habitat uses bring about stricter chemical criteria, as does the replacement of a limited warmwater habitat or limited resource water use with a warmwater habitat use. In these cases where higher use designations result in the application of more stringent chemical criteria, lower effluent limits for wastewater discharges may be required.

When a water body's use designation becomes less stringent, existing dischargers must continue the same wastewater treatment as before. However, if an existing facility wants to expand its operation or a new facility wants to discharge, less stringent pollution controls may be needed to meet the water quality standards for the less stringent use designations.

In both situations, the levels of water quality must be compatible with the water body's potential beneficial use designations. See Table 2 and the accompanying text for more specific details. Detailed information regarding the differences between chemical criteria that apply to various use designations can be viewed in Ohio's water quality standards, available on the Web at www.epa.state.oh.us/dsw/rules/3745-1.html as well as on tables summarizing aquatic life and human health criteria, available on the Web at www.epa.state.oh.us/dsw/wqs/criteria.html.

If the goal of the Clean Water Act is to clean up water bodies, why are some designations becoming less stringent?

The Clean Water Act goal related to the water quality standards program is to provide, wherever attainable, water quality that provides for the protection and propagation of fish, shellfish, and wildlife and to provide for recreation in and on the water. This goal is also referred to as the "fishable/swimmable" goal.

An important part of this goal is the "wherever attainable" component. Attainability is based on the potential of the water body; that is, given appropriate pollution controls, such as point source limitations and nonpoint source best management practices, can the water body be expected to attain the designated uses? If the answer is yes, then those uses are assigned. However, there are water bodies in Ohio that, regardless of the pollution controls, the water bodies will not be able to attain the Clean Water Act goal of fishable/swimmable. In this rulemaking, 6 water bodies are being considered for uses that do not meet the fishable/swimmable goal.

It is important to recognize that the use designations for some of the streams contained within the scope of this rulemaking represent the Agency's first assessment of a stream's use designation potential. While some of the draft use designations may appear to be "downgrades," they actually represent the Agency's first scientific assessment of the potential of a particular stream to achieve a particular use based upon an evaluation of biological and habitat data collected by Ohio EPA biologists.

It is also important to recognize that the treatment required of a discharger not only must be set to

meet the designated uses of the water body to which it discharges, but must also be protective of all downstream beneficial uses.

What additional information is the Agency seeking?

The Agency wants to hear from interested stakeholders (public, local officials, and NPDES permit holders) who may be impacted by these use designation changes and additions. General comments and specific factual information are welcome. Data on resident fish and macroinvertebrate communities and the physical habitat conditions of the water body are most pertinent to assignment of the proper aquatic life use designation. Data collection must be consistent with acceptable quality assurance protocols to be considered valid.

How are the changes formatted in the rules?

Text proposed for deletion is struck through. Proposed new text is underlined.

What is the rulemaking schedule?

At this time the Agency is soliciting initial input on these draft rule revisions. Ohio EPA is required by Section 121.39(D) of the Ohio Revised Code to contact potentially affected parties prior to proposing rule changes. If the Agency decides to proceed with the rule revisions, a public hearing and another comment period will be scheduled in early 2009. After the close of that public comment period, the Agency will review the comments, make any necessary changes to the rules and then adopt the rules. Final rules could be adopted in mid 2009.

How can I comment on the draft revisions?

Comments should be sent to the attention of Chris Skalski at Ohio EPA, Division of Surface Water, P.O. Box 1049, Columbus, OH 43216-1049. Comments may also be e-mailed to chris.skalski@epa.state.oh.us. Comments on the draft rule changes must be received **no later than December 23, 2008**. Copies of this fact sheet and the list of streams under consideration are also available on the Division of Surface Water Web page at www.epa.state.oh.us/dsw.

How can I get a copy of the draft rules or more information?

Go to the Division of Surface Water's Web site at www.epa.state.oh.us/dsw or contact Chris Skalski by e-mail at chris.skalski@epa.state.oh.us or by phone at (614) 644-2144.

Rule # / Drainage Basin	Use Designation Changes	Number of Water Bodies With Use Designation Changes	Use Designation Verifications	Number of Water Bodies with Use Designation Verifications
3745-1-09 Scioto River Basin	✓	82	✓	48
3745-1-11 Maumee River Basin	✓	6	✓	6
3745-1-17 Southwest Ohio Tributaries Basin	✓	22	✓	27
3745-1-18 Little Miami River Basin	✓	20	✓	6
3745-1-25 Mahoning River Basin	✓	14	✓	18
Total		144		102

* In addition, throughout the rules the locations of public water supply intakes are identified. These are not use designation changes because all such areas are already designated public water supply (PWS) by rule (See paragraph (B)(3) of rule 3745-1-07 of the OAC).

Figure 1. Rules and Associated Drainage Basins with Draft Revisions to Aquatic Life Use Designations.
 See Attachment A for a complete list of changes, including SRW deletions and PWS identifications.

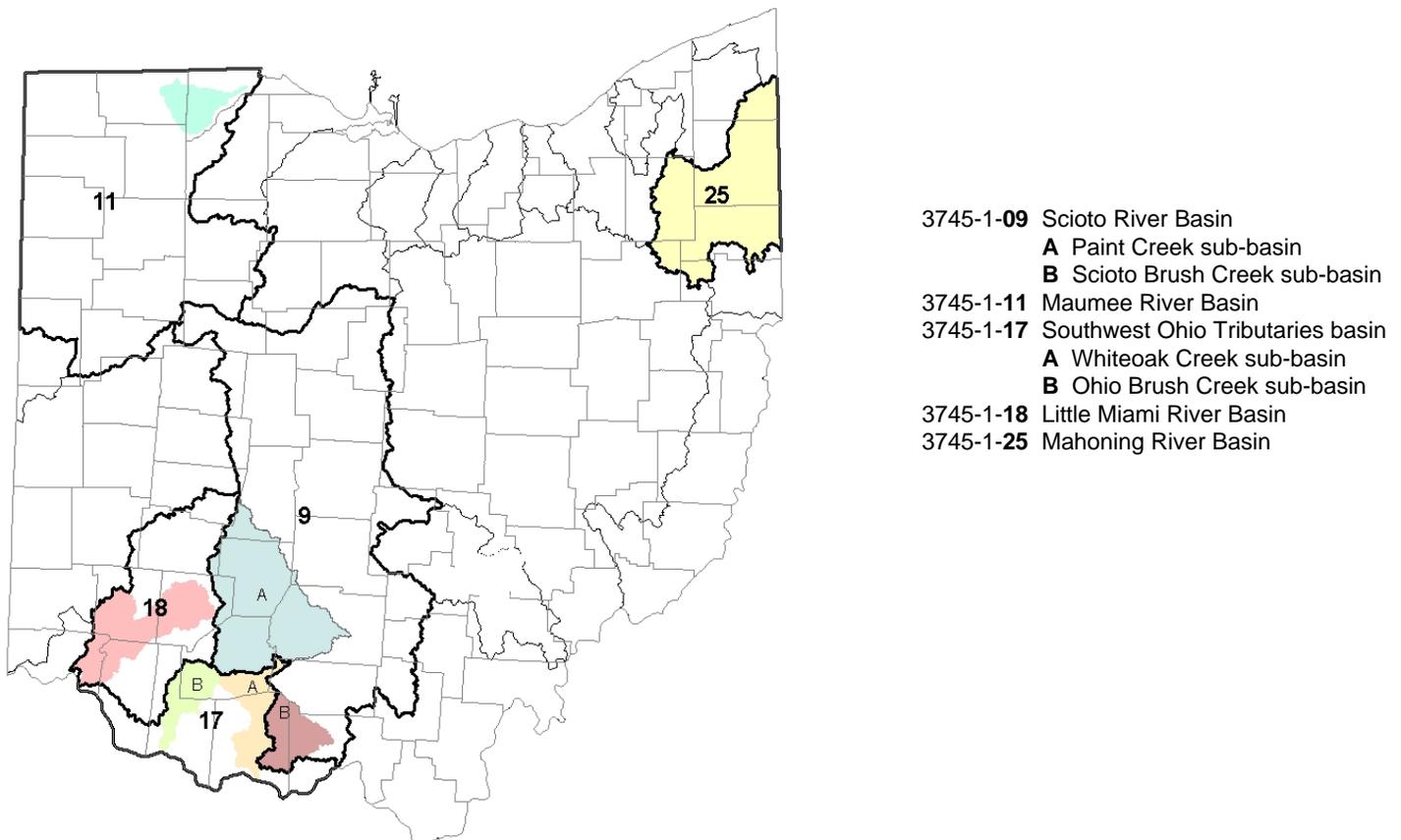


Table 2. Summary of Draft Use Designation Changes* to Rules 3745-1-09 Scioto River Basin, 3745-1-11 Maumee River Basin, 3745-1-17 Southwest Ohio Tributaries Basin, 3745-1-18 Little Miami River Basin, and 3745-1-25 Mahoning River Basin.

Use Designation Category	Water Bodies with Designations Becoming More Stringent				Water Bodies with Designations Becoming Less Stringent				Water Bodies with Designations Assigned for the First Time		
	#	Miles	Existing	Draft	#	Miles	Existing	Draft	#	Miles	Draft
Aquatic Life	1	2.1	EWH	CWH	39	187.4	EWH	WWH	3	4.0	EWH
	8	36.5	WWH	CWH	3	21.5	WWH	MWH	32	136.7	WWH
	1	2.9	LRW	CWH					2	9.2	MWH
	5	42.1	WWH	EWH					2	4.9	LRW
Total	15				42				39		
Recreation	5	34.4	SCR	PCR					39	154.8	PCR
									0	0	SCR
Water Supply									39 AWS 39 IWS 3 PWS		

* These figures do not include SRW deletions and PWS identifications. See Attachment A for a complete list of changes.

Aquatic Life Use Designation Changes

☞ **One water body is under consideration to be redesignated from Exceptional Warmwater Habitat (EWH) to Coldwater Habitat (CWH).** A recent biological survey has shown that Pickett Run in the Paint Creek watershed cannot support an exceptional biological community but does support aquatic organisms indicative of a CWH. This use designation change will result in more stringent water quality criteria for ammonia, cyanide, dissolved oxygen, phenol and silver and the removal of the EWH biological criteria.

Biological criteria are indices, contained in Table 7-15 of OAC 3745-1-07, that measure the biological health and diversity of streams. They are used to determine whether a stream is attaining the EWH, **Warmwater Habitat (WWH)** and **Modified Warmwater Habitat (MWH)** use designations.

☞ **Eight water bodies are under consideration to be redesignated from WWH to CWH.** Recent

biological surveys have shown that these water bodies currently support aquatic organisms indicative of a CWH. These use designation changes will result in more stringent water quality criteria for ammonia, cyanide, dissolved oxygen, pH, phenol, silver and temperature.

☞ **One water body is under consideration to be redesignated from Limited Resource Water (LRW) to CWH.**

A recent biological survey has shown that Town Run in the Whiteoak Creek watershed in Brown County currently supports aquatic organisms indicative of a CWH. This use designation change will result in more stringent aquatic life water quality criteria for all pollutants. Water quality criteria for the protection of human health and wildlife are not affected by this designation change.

☞ **Five water body segments are under consideration to be redesignated from WWH to EWH.** Recent biological surveys have demonstrated attainment of the EWH use in various stream segments.

The water quality criteria for the EWH and WWH uses are the same except that more stringent biological criteria and water quality criteria for ammonia, dissolved oxygen, pH and temperature apply to EWH.

☞ **Thirty-nine water body segments are under consideration to be redesignated from EWH to WWH.**

These segments, primarily located within the Ohio Brush Creek and Scioto Brush Creek drainage basins, were believed to be capable of supporting exceptional biological communities in 1978 (denoted in the rules with an asterisk) but a recent biological survey showed that the habitat in those water body segments actually cannot support exceptional biological communities.

Occasionally it may also appear on first glance that a verified (denoted in the rules with a “+” sign) EWH use for a stream is being removed and changed to WWH. An example of this is Compton Creek, a tributary of Paint Creek in the Scioto River drainage basin. In this case, the recommendation for a change in use is based upon a biological and habitat

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survey of the headwaters portion of Compton Creek that revealed the presence of insufficient habitat features necessary to support an exceptional biological community. The headwaters portion of Compton Creek had never been previously surveyed before 2006. However, the portion of Compton Creek that had previously been surveyed remains EWH, and the 2006 survey once again demonstrated full attainment of the EWH biological criteria in that portion of the stream.

A change in the aquatic life habitat use from EWH to WWH will result in less stringent biological criteria and water quality criteria for ammonia, dissolved oxygen, pH and temperature.

☞ **Three water bodies in the Paint Creek watershed are being considered for redesignation from WWH to MWH.** A biological and habitat evaluation of Wilson Creek, a six mile stretch within the headwaters portion of Sugar Creek, and 5.7 mile stretch within the headwaters portion of West Branch Rattlesnake Creek indicate the presence of degraded habitat conditions associated with active agricultural and some residential drainage maintenance practices that are inconsistent with the attainment of the WWH use designation. The MWH redesignation will result in less stringent biological criteria and water quality criteria for ammonia and dissolved oxygen.

Recreational Use Designation Changes

Most water bodies in the state are designated **Primary Contact Recreation (PCR)**, defined as suitable for full-body contact recreation. Some water bodies are designated **Secondary Contact Recreation (SCR)**, defined as suitable for partial body contact. The determination of whether a water body should be designated PCR or SCR is based on a suite of factors including: size of the water body,

accessibility, water body location, potential use by children, safety considerations, existing water quality, potential water quality, presence of recreational facilities, and physical conditions of the water body. A water body that is not large enough to support full body contact by an adult may still warrant a PCR use if, for example, it flows through an urbanized area or adjacent to a park or residential area where children are likely to use it for recreation. Water bodies determined not to have the potential for PCR are designated SCR.

The only water quality criteria for recreational use designations are for bacteria (fecal coliform and *E. coli*). These bacteria, while not necessarily harmful themselves, are indicators of possible sewage contamination and the possible presence of harmful bacteria and viruses (most commonly those bacteria and viruses that cause earaches and intestinal illness). The water quality criteria for SCR are less stringent than for PCR because there is less chance that someone will be exposed to the water and potentially harmful bacteria within that water.

Water bodies not specifically listed in the 1978 water quality standards rules were assigned a recreational use designation of PCR by default. As part of the 5-year basin biological survey cycle, Ohio EPA field staff occasionally sample streams that are in fact too small and too isolated to support the PCR use. In these cases, a recommendation is made to redesignate the water body SCR to reflect the recreational potential based upon actual observations and data gathered during the stream survey. In other cases, water bodies never specifically assigned any recreational uses within the water quality standards are assigned recreational uses based upon field observations of the water body and consideration of the factors mentioned above.

☞ **Five water bodies are under consideration to be redesignated**

from SCR to PCR. These changes will result in more stringent water quality criteria for bacteria.

Designations Specifically Assigned for the First Time

Only about one-third of surface water bodies in the state are listed in the water quality standards rules. Those water bodies that are not listed are generally small, unnamed tributaries. As these unlisted water bodies are surveyed and appropriate use designations are determined, they are added to the rules.

With the exception of the biological criteria, the water quality criteria applicable to water bodies that are not specifically listed in the rules are the same as those criteria associated with the WWH use designation.

☞ **Three currently undesignated water bodies are under consideration to be designated EWH.** Recent biological surveys have demonstrated attainment of the EWH use in these streams. The designation of EWH will result in more stringent water quality criteria for ammonia, dissolved oxygen, pH and temperature and the application of EWH biological criteria.

☞ **Thirty-two currently undesignated water bodies are under consideration to be designated WWH.** Recent biological surveys have demonstrated that the WWH use is attainable in these streams. The designation of WWH will not change applicable chemical criteria but will result in the application of WWH biological criteria.

☞ **Two water bodies in the Paint Creek watershed (Vallery Ditch and an unnamed tributary to Rattlesnake Creek at RM 40.21) are under consideration to be designated MWH.** These water bodies are impacted by habitat alteration associated with drainage maintenance. Channelization has

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reduced habitat quality and negatively impacted the biological community. Passive recovery is unlikely as a result of low gradients, high clay soils, and small drainage areas. The designation of MWH will result in less stringent biological criteria and water quality criteria for ammonia and dissolved oxygen.

☞ **Two water bodies in the Scioto Brush Creek watershed (Jaybird Branch and tributary) are under consideration to be designated LRW.** These water bodies are impacted by unique geological formations natural to the area that release minerals resulting in very low pH conditions, which are incompatible with attainment of any other aquatic life habitat use designation. The low pH conditions are not a result of any mining activity or anthropogenic pollution sources. The presence of these geological formations is considered a permanent feature of the landscape, and thus constitutes an irretrievable condition that justifies a LRW designation. Designation of the LRW use will result in less restrictive aquatic life water quality criteria for all pollutants. Water quality criteria for the protection of human health and wildlife are not affected by this designation change.

☞ **The 39 water bodies for which designations are specifically assigned for the first time and also under consideration to be designated Agricultural Water Supply (AWS), Industrial Water Supply (IWS) and PCR.** The AWS use designation is for protection against adverse effects occurring from use of surface water to irrigate crops or to water livestock. There are AWS water quality criteria for 14 chemicals, mostly heavy metals. The designation of water bodies as AWS will result in more stringent water quality criteria for these chemicals.

The IWS use designation is for the protection against adverse effects from using the water for industrial

processes. There are no specific IWS water quality criteria. Therefore, the designation of water bodies as IWS will not result in any changes to applicable water quality criteria.

☞ **Three water body locations are being identified as Public Water Supplies (PWS).** The PWS use designation is for the protection of surface waters used as public drinking water sources. There are specific criteria that apply to the PWS designation (see rules 3745-1-33 and 3745-1-34 of the OAC). These identifications are not use designation changes because all such areas are already designated public water supply by rule (see paragraph (B)(3) of rule 3745-1-07 of the OAC). The PWS use is generally designated for a specific river mile location on a water body near a public water supply intake. The criteria associated with a PWS use apply within 500 yards of the surface water intake.

In addition, a slight adjustment to the location of one public water supply, already identified in the rule, is under consideration based upon updated information from the Agency's Division of Drinking and Ground Waters. Finally, the communities served by the public water supplies are being identified in the rules. These updates are summarized in Attachment A at the end of this fact sheet.

Removal of State Resource Water Designations

☞ **The State Resource Water (SRW) designations for 62 water bodies are being removed.** These are administrative changes, as all of these water body segments are now categorized under Ohio's antidegradation rule (OAC 3745-1-05) as either general high quality water, superior high quality water, or outstanding state water. The SRW designation, therefore, no longer has any significance for these water bodies. Consistent with OAC 3745-1-05(A)(25), the SRW designation for

the water body segments are being removed. The specific water bodies are listed in Attachment A at the end of this fact sheet.

Verification of Existing Use Designations

As part of the stream survey process, the use designations identified in the water quality standards rules for many water bodies are verified to be correct. In this rulemaking, verifications of existing designated uses (almost always the WWH, AWS, IWS and PCR uses) are under consideration for 105 water bodies. For these water bodies, the symbols identifying the use designations in the water quality standards rules will change from asterisks to plus signs to indicate that they are based on the results of stream surveys. A list of stream designation verifications is in Attachment B at the end of this fact sheet.

Fact Sheet Attachment A
Summary of Draft Use Designation Changes

November 2008

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
Scioto River Drainage Basin, OAC 3745-1-09			
Scioto Brush Creek Sub-basin			
2	Scioto Brush Creek – headwaters to State Route 32 (RM 33.55)	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
2	Duck Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
2	McCullough Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	East Branch McCullough Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	Unnamed tributary at East Branch McCullough Creek RM 2.42	None	Designate EWH, AWS, IWS, PCR
3	Unnamed tributary at East Branch McCullough Creek RM 3.35	None	Designate WWH, AWS, IWS, PCR
3	Unnamed tributary at McCullough Creek RM 2.5	None	Designate WWH, AWS, IWS, PCR
3	Bear Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	Saw Pit Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	Long Fork	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	Right Fork	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
3	Straight Fork	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
4	Big Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
4	Unnamed tributary at Turkey Creek RM 5.27	None	Designate WWH, AWS, IWS, PCR
4	Shawnee Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
4	Turkey Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
4	Deep Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
4	Rogers Run	None	Designate WWH, AWS, IWS, PCR
5	Middle Branch of Mill Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
5	Unnamed tributary at Middle Branch Mill Creek RM 0.81	None	Designate WWH, AWS, IWS, PCR
5	Hickman Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
5	Unnamed tributary at Hickman Run RM 1.14	None	Designate EWH, AWS, IWS, PCR
5	Unnamed tributary at Mill Creek RM 3.93	None	Designate EWH, AWS, IWS, PCR
5	Burr Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
5	Churn Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
5	Blue Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
6	Unnamed tributary at Churn Creek RM 5.80	None	Designate WWH, AWS, IWS, PCR
6	Dry Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
6	Thompson Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Dunlap Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Rarden Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Dry Fork	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Bull Run	None	Designate WWH, AWS, IWS, PCR
7	Straight Fork	None	Designate WWH, AWS, IWS, PCR
7	Jaybird Branch	None	Designate LRW, AWS, IWS, PCR
7	Jaybird Branch tributary at RM 2.11	None	Designate LRW, AWS, IWS, PCR
7	Cedar Fork	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Plum Run	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
7	Unnamed tributary at Scioto Brush Creek RM 33.9	None	Designate WWH, AWS, IWS, PCR
7	Unnamed tributary at RM 0.18 of unnamed tributary Scioto Brush Creek at RM 33.9	None	Designate WWH, AWS, IWS, PCR
7	Bettys Creek	None	Designate WWH, AWS, IWS, PCR
Salt Creek Sub-basin			
11	Salt Lick Creek (Little Salt Creek) – bordering Lake Katherine Nature Preserve	SRW, WWH, AWS, IWS, PCR	Delete SRW
11	Long Branch	SRW, WWH, AWS, IWS, PCR	Delete SRW
12	Kelly Branch	SRW, EWH, CWH, AWS, IWS, PCR	Delete SRW
12	Riley Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
12	Poplar Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
12	Big Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
12	Buckeye Creek	SRW, WWH, AWS, IWS, PCR	Delete SRW
13	Fourmile Creek	SRW, WWH, AWS, IWS, PCR	Delete SRW
13	Poe Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
13	Pike Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
13	East Fork	SRW, WWH, AWS, IWS, PCR	Delete SRW
13	North Branch	SRW, CWH, AWS, IWS, PCR	Delete SRW
13	Goose Creek	SRW, CWH, AWS, IWS, PCR	Delete SRW

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
14	Little Pine Creek – headwaters to Wagner Road (RM 1.4)	SRW, CWH, AWS, IWS, PCR	Delete SRW
14	Little Pine Creek – Wagner Road to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
14	Sams Creek	SRW, EWH, AWS, IWS, PCR	Delete SRW
14	Brimstone Creek	SRW, WWH, AWS, IWS, PCR	Delete SRW
14	Moccasin Creek	SRW, CWH, AWS, IWS, PCR	Delete SRW
14	Cola Creek	SRW, CWH, AWS, IWS, PCR	Delete SRW
15	Bull Creek (Beech fork RM 1.54)	SRW, WWH, AWS, IWS, PCR	Delete SRW
15	Plum Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
Paint Creek Sub-basin			
16	Compton Creek – headwaters to Dews Run (RM 11.28)	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
17	Cattail Run	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH
17	Owl Creek	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH
17	Plug Run	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH
17	Black Run – headwaters to Spruce Hill Road (RM 1.0)	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH
17	Lower Twin Creek	WWH, AWS, IWS, PCR	Designate EWH in lieu of WWH
17	Upper Twin Creek	WWH, AWS, IWS, PCR	Designate EWH in lieu of WWH
17	Buckskin Creek – Cliff Run Road (RM 5.75) to the mouth	WWH, AWS, IWS, PCR	Designate EWH in lieu of WWH
18	Pickett Run	SRW, EWH, AWS, IWS, PCR	Designate CWH in lieu of EWH; Delete SRW
18	Little Rock Creek	None	Designate WWH, AWS, IWS, PCR
18	Fenner tributary (Clear Creek RM 8.57)	None	Designate WWH, AWS, IWS, PCR
18	Unnamed tributary at Rocky Fork RM 17.55	None	Designate WWH, AWS, IWS, PCR
19	West Branch Rattlesnake Creek – headwaters to Pearson Road (RM 9.8)	WWH, AWS, IWS, PCR	Designate MWH-CM in lieu of WWH; Designate PCR in lieu of SCR
19	West Branch Rattlesnake Creek – Pearson Road (RM 9.8) to the mouth	WWH, AWS, IWS, SCR	Designate PCR in lieu of SCR
19	Wilson Creek	WWH, AWS, IWS, PCR	Designate MWH-CM in lieu of WWH
19	Unnamed tributary at Rattlesnake Creek RM 40.21	None	Designate MWH-CM, AWS, IWS, PCR
20	Sugar Creek – headwaters to Carrs Mill-Jamestown Road (RM 32.2)	WWH, AWS, IWS, PCR	Designate MWH-CM in lieu of WWH

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
20	Vallery Ditch (East Fork RM 15.91)	None	Designate MWH-CM, AWS, IWS, PCR
Darby Creek Sub-basin			
24	Barron Creek – Rosedale-Plain City Road (RM 2.1) to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
24	Barron Creek – headwaters to Rosedale-Plain City Road	SRW, EWH, AWS, IWS, PCR	Delete SRW
24	Treacle Creek	SRW, EWH, AWS, IWS, PCR	Delete SRW
24	Proctor Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
24	Howard Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
24	Jumping Run – adjacent Bullard-Rutan Road (RM 1.5) to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
24	Jumping Run – headwaters to Bullard-Rutan Road	SRW, EWH, AWS, IWS, PCR	Delete SRW
24	Clover Run	SRW, EWH, AWS, IWS, SCR	Delete SRW
Walnut Creek Sub-basin			
27	Slate Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
28	Big Walnut Creek at RM 51.4	WWH, AWS, IWS, PCR, PWS	Specify formerly the Village of Sunbury intake
Maumee River Drainage Basin, OAC 3745-1-11			
Ottawa River and Swan Creek Sub-basins			
2	Ottawa River – RM 10.6 to RM 7.9	SRW, WWH, AWS, IWS, PCR	Delete SRW
4	Blystone Ditch (Swan Creek RM 17.6)	None	Designate WWH, AWS, IWS, PCR
4	Harris Ditch (Blue Creek RM 4.20)	None	Designate WWH, AWS, IWS, PCR
4	Ai Creek (Swan Creek RM 30.57)	None	Designate WWH, AWS, IWS, PCR
4	Fewless Creek (Swan Creek RM 33.41)	None	Designate WWH, AWS, IWS, PCR
Auglaize River and Tiffin River Sub-basins			
9	Little Auglaize River	MWH-CM, AWS, IWS, SCR	Add PWS at RM 23.40 (City of Delphos)
16	Tiffin River – bordering Goll Woods preserve (~RM 39.5 – RM 44.5)	SRW, WWH, AWS, IWS, PCR	Delete SRW
Southwest Ohio Tributaries Drainage Basin, OAC 3745-1-17			
Whiteoak Creek Sub-basin			
4	Town Run	LRW-SDM, AWS, IWS, SCR	Designate CWH in lieu of LRW-SDM; Designate PCR in lieu of SCR
4	Walnut Creek (Whiteoak Creek RM 13.19)	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
4	Miranda Run	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
4	Sterling Run – Grant Lake Wildlife area (RM 5.4 to 3.0)	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
4	Sterling Run – at RM 6.47	WWH, AWS, IWS, PCR, PWS	Specify Mt. Orab intake
5	Unnamed tributary to Sterling Run at RM 6.68	None	Designate WWH, AWS, IWS, PCR
5	East Fork Whiteoak Creek – at RM 5.13	WWH, AWS, IWS, PCR, PWS	Specify formerly the Village of Sardinia intake
5	Unnamed tributary to East Fork at RM 12.38	None	Designate WWH, AWS, IWS, PCR
5	Unnamed tributary to East Fork at RM 14.35	None	Designate WWH, AWS, IWS, PCR
6	Unnamed tributary to East Fork at RM 15.52	None	Designate WWH, AWS, IWS, PCR
6	Flat Run	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
6	Little North Fork	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
7	Sycamore Run - RM 0.97	EWH, AWS, IWS, PCR, PWS	Specify Waynoka Regional intake
Ohio Brush Creek Sub-basin			
10	Ohio Brush Creek – headwaters to Beasley Fork Road (RM 6.3)	SRW, EWH, AWS, IWS, PCR	Revise “Beasley Fork Road (RM 6.3) to “Beasley Fork (RM 6.1)”; delete SRW
10	Ohio Brush Creek – all other segments	SRW, WWH, AWS, IWS, PCR	Delete SRW
10	Moore Run (Beasley Fork RM 3.04)	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
10	Unnamed tributary at Beasley Fork RM 4.6	None	Designate WWH, AWS, IWS, PCR
11	Cedar Run	SRW, EWH, AWS, IWS, PCR	Delete SRW
11	Lick Fork (aka Lick Creek)	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; Delete SRW
11	Treber Run	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
11	Cave Run	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
11	Louise Tributary (Lick Fork RM 4.02)	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
11	West Fork – headwaters to Turkey Run (RM 15.62)	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
11	Georges Creek	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; delete SRW
12	Baker Fork – Unnamed tributary at RM 10.98 to the mouth	WWH, AWS, IWS, PCR	Designate EWH in lieu of WWH

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
12	Straight Creek	WWH, AWS, IWS, PCR	Designate EWH in lieu of WWH
Little Miami River Drainage Basin, OAC 3745-1-18			
2	Little Miami River – RM 3.0 (downstream of Beechmont Ave.) to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
2	Little Miami River – headwaters to North Fork (RM 91.64)	SRW, WWH, AWS, IWS, PCR	Delete SRW
2	Little Miami River – all other segments	SRW, EWH, AWS, IWS, PCR	Delete SRW
2	East Fork – RM 75 to W.H. Harsha Lake	SRW, EWH, AWS, IWS, PCR, PWS	Delete SRW
2	East Fork – all other segments	SRW, EWH, AWS, IWS, PCR, PWS	Delete SRW; Specify PWS at RM 22.6 (Clermont County)
3	Stonelick Creek	SRW, WWH, AWS, IWS, PCR, PWS	Delete SRW; Specify PWS at RM 23.37 (Village of Blanchester)
4	Cloverlick Creek – at RM 3.23	WWH, AWS, IWS, PCR, PWS	Specify formerly the Village of Bethel intake
5	Soloman Run	WWH, AWS, IWS, PCR, PWS	Specify PWS at RM 3.33 (formerly)
5	West Fork	WWH, AWS, IWS, PCR, PWS	Specify PWS at RM 4.62 (Village of Blanchester)
7	Dry Run – headwaters to RM 1.2	WWH, AWS, IWS, SCR	Designate CWH in lieu of WWH; Designate PCR in lieu of SCR
7	Dry Run – RM 1.2 to the mouth	WWH, AWS, IWS, SCR	Designate PCR in lieu of SCR
7	Little Muddy Creek	WWH, AWS, IWS, SCR	Designate PCR in lieu of SCR
7	Whitakers Run (Second Creek RM 10.2)	None	Add PWS at RM 1.37 (Village of Blanchester)
7	Lick Run	SRW, EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH; Delete SRW
7	Cowan Creek – Cowan Lake (RM 6.3) to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
7	Cowan Creek – at RM 11.6	WWH, AWS, IWS, PCR, PWS	Specify PWS at RM 11.66 (City of Wilmington)
8	Indian Run	WWH, AWS, IWS, SCR	Designate PCR in lieu of SCR
8	Dutch Creek	EWH, AWS, IWS, PCR	Designate WWH in lieu of EWH
8	Olive Branch	SRW, WWH, AWS, IWS, PCR	Delete SRW
8	Caesar Creek – Anderson Fork to the mouth	SRW, EWH, AWS, IWS, PCR	Delete SRW
8	Caesar Creek – at RM 7.77	SRW, EWH, AWS, IWS, PCR	Delete SRW; Add PWS (City of Wilmington)
8	Flat Fork	SRW, EWH, AWS, IWS, PCR	Delete SRW

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
8	Jonahs Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
8	Trace Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
9	Buck Run	SRW, WWH, AWS, IWS, PCR	Delete SRW
9	Anderson Fork – Grog Run to the mouth	SRW, EWH, AWS, IWS, PCR	Delete SRW
9	Anderson Fork – all other segments	SRW, WWH, AWS, IWS, PCR	Delete SRW
10	Sugar Creek – within Sugar Creek reserve	SRW, WWH, AWS, IWS, PCR	Delete SRW
10	Massie Creek	WWH, AWS, IWS, PCR, PWS	Specify formerly Greene County Cedarville intake
10	Oldtown Creek	SRW, WWH, AWS, IWS, PCR	Delete SRW
10	Yellow Springs Creek	SRW, EWH, AWS, IWS, PCR	Delete SRW
11	North Fork	SRW, WWH, AWS, IWS, PCR	Delete SRW
Mahoning River Drainage Basin, OAC 3745-1-25			
2	Mahoning River – headwaters to King Road (RM 102.41)	WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH
3	Mill Creek – Mill Creek Park (RM 9.5) to the mouth	SRW, WWH, AWS, IWS, PCR	Delete SRW
4	Eagle Creek	SRW, WWH, AWS, IWS, PCR	Delete SRW
5	Mahoning Creek	None	Designate WWH, AWS, IWS, PCR
5	Camp Creek	SRW, WWH, AWS, IWS, PCR	Designate CWH in lieu of WWH; delete SRW
5	Silver Creek	SRW, CWH, AWS, IWS, PCR	Delete SRW
5	Unnamed tributary at West Branch Mahoning River RM 8.28	None	Designate WWH, AWS, IWS, PCR
6	Unnamed tributary to Kale Creek at RM 5.29	None	Designate WWH, AWS, IWS, PCR
6	Unnamed tributary to Mill Creek at RM 3.67	None	Designate WWH, AWS, IWS, PCR
6	Garfield Ditch (Mill Creek RM 8.09)	None	Designate WWH, AWS, IWS, PCR
6	Unnamed tributary at Mahoning River RM 91.21	None	Designate WWH, AWS, IWS, PCR
6	Naylor Ditch (Mahoning River RM 93.58)	None	Designate WWH, AWS, IWS, PCR
6	Unnamed tributary at Mahoning River RM 97.11	None	Designate WWH, AWS, IWS, PCR

Pg #*	Water Body Segment	Existing Designated Uses	Changes in Draft Rule
6	Unnamed tributary at Mahoning River RM 98.71	None	Designate WWH, AWS, IWS, PCR

* The page numbers listed in the table refer to page numbers in the amended rules.

Index of Acronyms Used

RM = River Mile

The following acronyms for designated uses are used in this table. Designated uses are defined in OAC 3745-1-05 and OAC 3745-1-07.

AWS = Agricultural Water Supply

CWH = Coldwater Habitat

EWH = Exceptional Warmwater Habitat

IWS = Industrial Water Supply

LRW = Limited Resource Water

LRW-SDM = Limited Resource Water – Small Drainageway Maintenance

MWH-CM = Modified Warmwater Habitat – Channel Modification

PCR = Primary Contact Recreation

PWS = Public Water Supply

SCR = Secondary Contact Recreation

SRW = State Resource Water

WWH = Warmwater Habitat

Fact Sheet Attachment B
Summary of Draft Use Designation Verifications

November 2008

Most of the water bodies listed in the Ohio Administrative Code (OAC) Chapter 3745-1 rules were designated Warmwater Habitat, Agricultural Water Supply, Industrial Water Supply and Primary Contact Recreation in 1978 as defaults because little site-specific data were available. Biological and water quality surveys conducted since then have enabled Ohio EPA to either verify those use designations or assign more accurate use designations. This document summarizes existing use designations already in rule that were verified through the results of biological and water quality surveys conducted from 2006-2007.

Use designations assigned in 1978 are indicated with asterisks in the rules. Use designations assigned based on the results of biological and water quality surveys are indicated with plus signs in the rules. The symbols for the water bodies and use designations listed below are changed from asterisks to plus signs in the draft rules. These changes to the symbols do not have any effect on the applicable water quality standards for these water bodies.

The page numbers listed in this document refer to page numbers in the amended rules.

The use designations in this document are defined in paragraph (B) of rule 3745-1-07 of the OAC. The following use designation acronyms are used within this document:

AWS = Agricultural Water Supply
EWH = Exceptional Warmwater Habitat
IWS = Industrial Water Supply
PCR = Primary Contact Recreation
WWH = Warmwater Habitat

Verified Water Body Use Designations

<u>Page</u>	<u>Water Body Segment</u>	<u>Existing Uses Verified</u>
Scioto River Drainage Basin, OAC 3745-1-09		
2	Scioto Brush Creek – headwaters to State Route 32	AWS, IWS, PCR
2	Scioto Brush Creek – State Route 32 to the mouth	EWH, AWS, IWS, PCR
2	Duck Run	AWS, IWS, PCR
2	Sweeney Run	EWH
2	McCullough Creek	AWS, IWS, PCR
3	East Branch McCullough Creek	AWS, IWS, PCR
3	Bear Creek	AWS, IWS, PCR
3	Saw Pit Run	AWS, IWS, PCR
3	Left Fork of Straight Fork Bear Creek	EWH
3	South Fork Scioto Brush Creek	EWH, AWS, IWS, PCR
3	Rocky Fork	EWH, AWS, IWS, PCR
3	Spruce Run	EWH, AWS, IWS, PCR
4	Beech Fork	EWH, AWS, IWS, PCR
4	Turkey Creek	EWH, AWS, IWS, PCR
4	Dry Fork	EWH, AWS, IWS, PCR
4	Turkey Run	AWS, IWS, PCR
4	Cassel Run	EWH
4	Winterstein Run	EWH, AWS, IWS, PCR
4	Mill Creek	EWH, AWS, IWS, PCR
5	Middle Branch	AWS, IWS, PCR
5	Ellis Run	EWH
5	Churn Creek	AWS, IWS, PCR
5	Blue Creek	AWS, IWS, PCR
5	Johnson Run	EWH
6	Dry Run	AWS, IWS, PCR
7	Dunlap Creek	AWS, IWS, PCR
7	Rarden Creek	AWS, IWS, PCR
7	Dry Fork	AWS, IWS, PCR
7	Cedar Fork	AWS, IWS, PCR
7	Plum Run	AWS, IWS, PCR
15	Paint Creek – at RM 71.4	WWH, AWS, IWS, PCR
15	Paint Creek – US Rte 35 (RM 67.4) to Paint Creek Reservoir	AWS, IWS, PCR
16	Paint Creek – all other segments	AWS, IWS, PCR
16	Biers Run	WWH, AWS, IWS, PCR
16	Little Creek	WWH, AWS, IWS, PCR
16	Crooked Creek	WWH, AWS, IWS, PCR
16	Mud Run	WWH, AWS, IWS, PCR
16	Thompson Creek	WWH, AWS, IWS, PCR
17	Cattail Run	AWS, IWS, PCR
17	Owl Creek	AWS, IWS, PCR
17	Plug Run	AWS, IWS, PCR
17	Black Run – headwaters to Spruce Hill Road (RM 1.0)	AWS, IWS, PCR
17	Black Run – Spruce Hill Road (RM 1.0) to the mouth	WWH, AWS, IWS, PCR
17	Lower Twin Creek	AWS, IWS, PCR
17	Upper Twin Creek	AWS, IWS, PCR
17	Buckskin Creek – Cliff Run Road (RM 5.75) to the mouth	AWS, IWS, PCR
17	Buckskin Creek – headwaters to Cliff Run Road (RM 5.75)	WWH, AWS, IWS, PCR
18	Pickett Run	AWS, IWS, PCR
19	Big Branch	WWH, AWS, IWS, PCR
19	Hardin Creek	WWH, AWS, IWS, PCR

Verified Water Body Use Designations

<u>Page</u>	<u>Water Body Segment</u>	<u>Existing Uses Verified</u>
19	South Fork of Middle Fork Lees Creek	WWH, AWS, IWS, PCR
19	Wilson Creek	AWS, IWS, PCR
20	Wabash Creek	WWH, AWS, IWS, PCR

Maumee River Drainage Basin, OAC 3745-1-11

4	Swan Creek – at RM 30.84	AWS, IWS, PCR
4	Swan Creek – all other segments	AWS, IWS, PCR
4	Wolf Creek	AWS, IWS, PCR
4	Cairl Creek	WWH, AWS, IWS, PCR
4	Blue Creek	AWS, IWS, PCR
5	Delaware Creek	WWH, AWS, IWS, PCR
5	Grassy Creek	AWS, IWS, PCR

Southwest Ohio Tributaries Drainage Basin, OAC 3745-1-17

4	Walnut Creek	AWS, IWS, PCR
4	Miranda Run	AWS, IWS, PCR
5	Browns Run	WWH, AWS, IWS, PCR
5	Bells Run	WWH, AWS, IWS, PCR
5	Plum Run	WWH, AWS, IWS, PCR
6	Flat Run	AWS, IWS, PCR
6	Little North Fork	AWS, IWS, PCR
10	Beasley Fork	WWH, AWS, IWS, PCR
10	Moore Run	AWS, IWS, PCR
11	Cedar Run	EWB, AWS, IWS, PCR
11	Lick Fork	AWS, IWS, PCR
11	Treber Run	AWS, IWS, PCR
11	Cave Run	AWS, IWS, PCR
11	Louise Tributary	AWS, IWS, PCR
11	West Fork – headwaters to Turkey Run (RM 15.62)	AWS, IWS, PCR
11	West Fork – Turkey Run (RM 15.62) to the mouth	EWB, AWS, IWS, PCR
11	Georges Creek	AWS, IWS, PCR
11	Cherry Fork	WWH, AWS, IWS, PCR
11	Grace Run	WWH, AWS, IWS, PCR
11	Buck Run	WWH, AWS, IWS, PCR
11	Little West Fork	WWH, AWS, IWS, PCR
12	Elk Fork	WWH, AWS, IWS, PCR
12	Shimer Run	WWH, AWS, IWS, PCR
12	Little East Fork	WWH, AWS, IWS, PCR
12	Crooked Creek	WWH, AWS, IWS, PCR
12	Baker Fork – unnamed tributary at RM 10.98 to the mouth	AWS, IWS, PCR
12	Baker Fork – headwaters to unnamed tributary at RM 10.98	WWH, AWS, IWS, PCR
12	Middle Fork	WWH, AWS, IWS, PCR
12	Straight Creek	AWS, IWS, PCR

Verified Water Body Use Designations

<u>Page</u>	<u>Water Body Segment</u>	<u>Existing Uses Verified</u>
Little Miami River Drainage Basin, OAC 3745-1-18		
2	Cluff Creek	WWH, AWS, IWS, PCR
7	Little Muddy Creek	WWH, AWS, IWS
7	First Creek	WWH, AWS, IWS, PCR
7	Second Creek	WWH, AWS, IWS, PCR
7	Lick Run	AWS, IWS, PCR
8	Dutch Creek	AWS, IWS, PCR

Mahoning River Drainage Basin, OAC 3745-1-25

2	Mahoning River – headwaters to King Road (RM 102.42)	AWS, IWS, PCR
4	Chocolate Run	WWH, AWS, IWS, PCR
4	Tinker Creek	WWH, AWS, IWS, PCR
4	Nelson Ditch	WWH, AWS, IWS, PCR
5	Camp Creek	AWS, IWS, PCR
5	Silver Creek	WWH, AWS, IWS, PCR
6	Barrel Run	WWH, AWS, IWS, PCR
6	Harmon Brook	WWH, AWS, IWS, PCR
6	Kale Creek	WWH, AWS, IWS, PCR
6	Mill Creek	WWH, AWS, IWS, PCR
6	Turkey Broth Creek	WWH, AWS, IWS, PCR
6	Island Creek	WWH, AWS, IWS, PCR
6	Willow Creek	WWH, AWS, IWS, PCR
6	Deer Creek – at RM 0.54	WWH, AWS, IWS, PCR
7	Deer Creek – all other segments	WWH, AWS, IWS, PCR
7	Beech Creek	WWH, AWS, IWS, PCR
7	Little Beech Creek	WWH, AWS, IWS, PCR
7	Fish Creek	WWH, AWS, IWS, PCR
7	Beaver Run	WWH, AWS, IWS, PCR