

2012 Draft West Virginia Integrated Water Quality Monitoring and Assessment Report



west Virginia
department of environmental protection
division of water and waste management

WEST VIRGINIA INTEGRATED WATER QUALITY MONITORING AND ASSESSMENT REPORT 2012

Prepared to fulfill the requirements of Sections 303(d) and 305(b) of the federal Clean Water Act and Chapter 22, Article 11, Section 28 of the West Virginia Water Pollution Control Act for the period of July 2009 through June 2011.

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Table of Contents

Introduction	4	Major Basin Summaries	27
		<i>Dunkard Creek</i>	27
West Virginia Water Quality Standards	5	<i>Guyandotte River</i>	28
<i>Ohio River Criteria</i>	7	<i>Kanawha River and major tributaries -</i>	28
		<i>New, Bluestone, Greenbrier, Gauley, Elk and Coal rivers</i>	28
Surface Water Monitoring and Assessment	7	<i>Monongahela River and major tributaries -</i>	28
<i>Streams and Rivers</i>	7	<i>Tygart and West Fork rivers</i>	28
<i>Probabilistic (random) sampling</i>	8	<i>Cheat River</i>	29
<i>Ambient water quality monitoring network</i>	8	<i>Little Kanawha River</i>	29
<i>Targeted monitoring</i>	9	<i>Ohio River</i>	29
<i>Pre-TMDL development monitoring</i>	9	<i>Tug Fork River</i>	30
<i>Lakes and Reservoirs</i>	9		
<i>Wetlands</i>	9	Interstate Water Coordination	30
<i>Citizen monitoring</i>	11	<i>PCB monitoring and TMDL development with Virginia</i>	30
		<i>Ohio River Valley Sanitation Commission - ORSANCO</i>	30
Data Management	11	<i>Chesapeake Bay</i>	31
<i>Assessed data</i>	11	<i>Interstate Commission on Potomac River Basin</i>	31
<i>External data providers</i>	12	<i>Ohio River Basin Water Resources Association</i>	31
Use Assessment Procedures	13	Total Maximum Daily Load (TMDL) Development Process	31
<i>Numeric water quality criteria</i>	13		
<i>Evaluation of fecal coliform numeric criteria</i>	13	Water Pollution Control Programs	33
<i>Narrative water quality criteria - biological impairment data</i>	15	<i>Division of Water and Waste Management</i>	33
<i>Fish consumption advisories</i>	16	<i>National Pollution Discharge Elimination System Program</i>	33
<i>Excess filamentous algae</i>	17	<i>Nonpoint Source Control Program</i>	33
<i>Greenbrier River</i>	17	<i>Groundwater Program</i>	35
<i>South Branch Potomac River and Cacapon River</i>	17	<i>Division of Mining and Reclamation</i>	35
<i>Segmentation of streams</i>	18		
		Cost Benefits Analysis	36
Assessment Results	18	<i>Funding for Water Quality Improvements</i>	36
		<i>Clean Water Sate Revolving Fund Program</i>	36
Probabilistic Data Summary	22	<i>Low Interest Loan Program</i>	37
<i>Mine drainage</i>	23	<i>Agriculture Water Quality Loan Program</i>	37
<i>Bacterial contamination</i>	23	<i>Onsite Systems Loan Program</i>	37
<i>Acidity</i>	24		
<i>Habitat quality</i>	24	Public Participation and Responsiveness Summary	37
<i>Biological integrity</i>	26		

Table of Contents

pending

U.S. EPA Approval and Resultant Revisions

List Format Description

List Supplements Overview

List Key

List Key 1

List Supplements

West Virginia Draft 2012 Section 303(d) List

List Page 1

Supplemental Table A - Previously Listed Waters -

No TMDL Developed

A1

Supplemental Table B - Previously Listed Waters -

TMDL Developed

B1

Supplemental Table C - Water Quality Improvements

C1

Supplemental Table D - Impaired Waters - No TMDL Needed

D1

Supplemental Table E - Total Aluminum TMDLs Developed

E1

Supplemental Table F - New Listings for 2012

F1

Introduction

The federal Clean Water Act contains several sections requiring reporting on the quality of a state's waters. Section 305(b) requires a comprehensive biennial report and Section 303(d) requires, from time to time, a list of waters for which effluent limitations or other controls are not sufficient to meet water quality standards (impaired waters). West Virginia code Chapter 22, Article 11, Section 28 also requires a biennial report of the quality of the state's waters.

This document is intended to fulfill West Virginia's requirements for listing impaired waters under Section 303(d) of the Clean Water Act and the Water Quality Planning and Management Regulations, 40CFR130.7. In addition to the list of impaired waters, it explains the data evaluated in the preparation of the list and methodology used to identify impaired waterbodies. Information is provided that allows the tracking of previously listed waters that are not

contained on the 2012 list. The EPA has recommended these requirements be accomplished in a single report that combines the comprehensive Section 305(b) report on water quality and the Section 303(d) list of waters that are not meeting water quality standards. The format suggested by EPA for this "Integrated Report" includes provisions for states to place their waters in one of the five categories described in Table 1. Waters that are included on the 2012 Section 303(d) List are placed in Category 5 and are located in the back of this report (West Virginia Draft 2012 Section 303(d) List).

This Integrated Report is a combination of the 2012 Section 303(d) List and the 2012 Section 305(b) report. In general, this report includes data collected and analyzed between July 1, 2006 and June 30, 2011, from the state's 32 major watersheds by the West Virginia Department of Environmental Protection's (DEP's) Watershed Assessment Branch and other federal, state, private and nonprofit organizations.

Table 1 - Integrated Report categories

Category 1	fully supporting all designated uses	
Category 2	fully supporting some designated uses, but no or insufficient information exists to assess the other designated uses	
Category 3	insufficient or no information exists to determine if any of the uses are being met	
Category 4	waters that are impaired or threatened but do not need a Total Maximum Daily Load	
	Category 4a	waters that already have an approved TMDL but are still not meeting standards
	Category 4b	waters that have other control mechanisms in place which are reasonably expected to return the water to meeting designated uses
	Category 4c	waters that have been determined to be impaired, but not by a pollutant
Category 5	waters that have been assessed as impaired and are expected to need a TMDL	

Water Quality Standards

Water quality standards are the backbone of the 303(d) and 305(b) processes of the federal Clean Water Act. In West Virginia, the water quality standards are codified as 47CSR2 – Legislative Rules of the Department of Environmental Protection – Requirements Governing Water Quality Standards. Impairment assessments conducted for the 2012 cycle are based upon water quality standards that have received the EPA’s approval and are currently considered effective for Clean Water Act purposes. In that regard, the EPA has recently approved several changes to the West Virginia Water Quality Standards. Information regarding the approved changes can be found on the DEP’s Web page at <http://www.dep.wv.gov/WWE/Programs/wqs/Pages/default.aspx>.

A waterbody is considered impaired if it violates water quality standards and does not meet its designated uses. Some examples of designated uses are water contact recreation, propagation and maintenance of fish and other aquatic life, and public water supply. Designated uses are described in detail beginning in Section 6.2 of 47CSR2 and are summarized in Table 2. Each of the designated uses has associated criteria that describe specific conditions that must be met to ensure that the water can support that use. For example, the “propagation and maintenance of fish and other aquatic life” use requires the pH to remain within the range of 6.0 to 9.0 standard units at all times. This is an example of a numeric criterion. Numeric criteria are provided in Appendix E of the water quality standards. Use attainment is determined by the comparison of available instream values of various water quality parameters to the

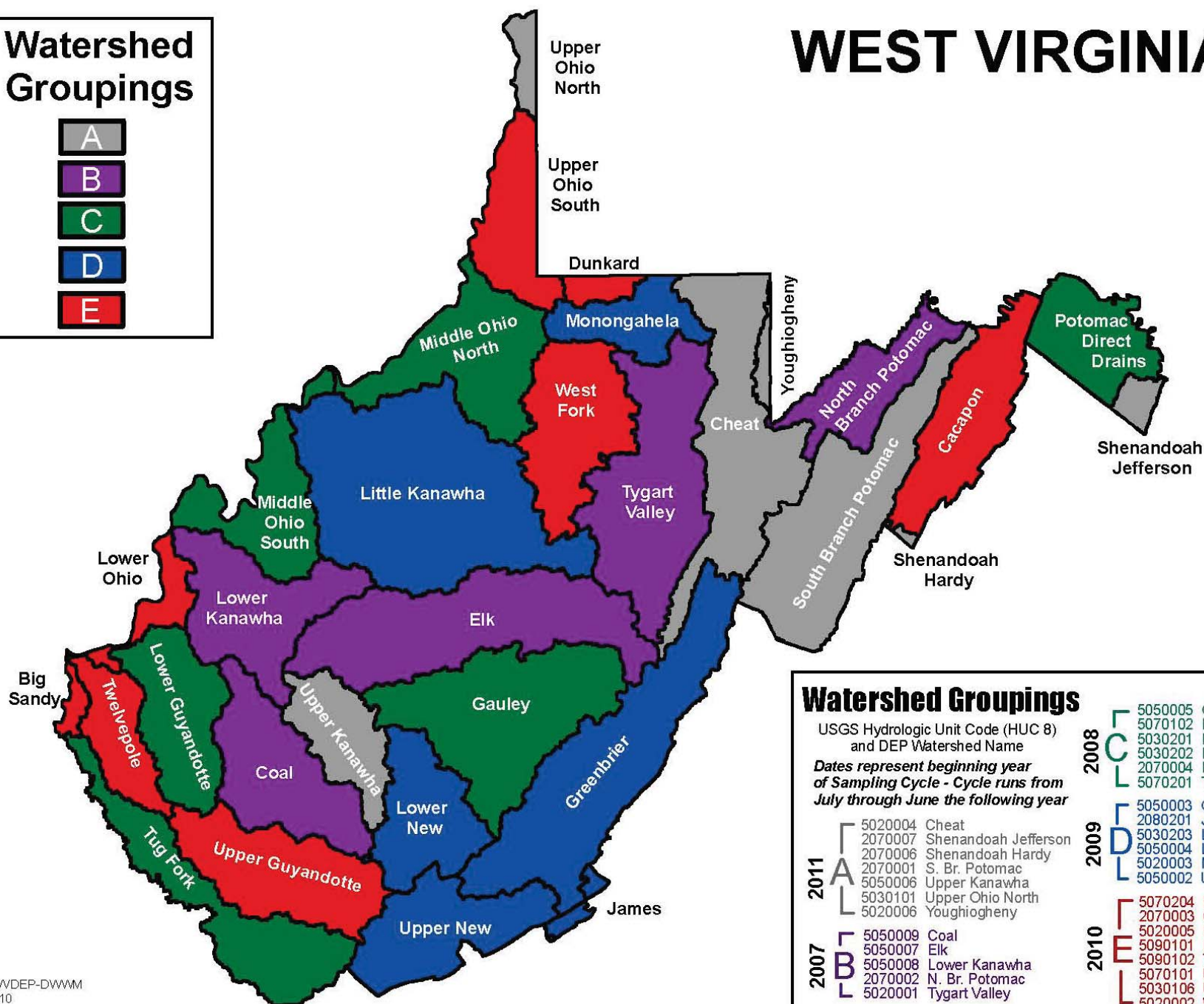
Table 2 - West Virginia designated uses

Category	Use Subcategory	Use Category	Description
A	Public Water	Human Health	waters, which, after conventional treatment, are used for human consumption
B1	Warm Water Fishery	Aquatic Life	propagation and maintenance of fish and other aquatic life in streams or stream segments that contain populations composed of all warm water aquatic life
B2	Trout Waters	Aquatic Life	propagation and maintenance of fish and other aquatic life in streams or stream segments that sustain year-round trout populations. Excluded are those streams or stream segments which receive annual stockings of trout but which do not support year-round trout populations
B4	Wetlands	Aquatic Life	propagation and maintenance of fish and other aquatic life in wetlands. Wetlands generally include swamps, marshes, bogs and similar areas
C	Water Contact Recreation	Human Health	swimming, fishing, water skiing and certain types of pleasure boating such as sailing in very small craft and outboard motor boats
D1	Irrigation	All Other	all stream segments used for irrigation
D2	Livestock Watering	All Other	all stream segments used for livestock watering
D3	Wildlife	All Other	all stream segments and wetlands used by wildlife
E1	Water Transport	All Other	all stream segments modified for water transport and having permanently maintained navigation aides
E2	Cooling Water	All Other	all stream segments having one or more users for industrial cooling
E3	Power Production	All Other	all stream segments extending from a point 500 feet upstream from the intake to a point one-half mile below the wastewater discharge point
E4	Industrial	All Other	all stream segments with one or more industrial users. It does not include water for cooling

Watershed Groupings



WEST VIRGINIA



Watershed Groupings

USGS Hydrologic Unit Code (HUC 8)
and DEP Watershed Name

*Dates represent beginning year
of Sampling Cycle - Cycle runs from
July through June the following year*

2007	B	5020001	Tygart Valley	2008	C	5050005	Gauley
		5020002	N. Br. Potomac			5070102	Lower Guyandotte
		5050008	Lower Kanawha			5030201	Middle Ohio North
		5050009	Coal			5030202	Middle Ohio South
		5050007	Elk			2070004	Potomac Drains
2011	A	5020006	Youghiogheny	2009	D	5070201	Tug Fork
		5030101	Upper Ohio North			5050003	Greenbrier
		5050006	Upper Kanawha			2080201	James
		2070001	S. Br. Potomac			5030203	Little Kanawha
		2070007	Shenandoah Hardy			5050004	Lower New
2011	A	2070004	Shenandoah Jefferson	2010	E	5020003	Monongahela
		5020004	Cheat			5050002	Upper New
		5070204	Big Sandy			5070204	Big Sandy
		2070003	Cacapon			2070003	Cacapon
		5020005	Dunkard			5020005	Dunkard

appropriate numeric or narrative criteria specified for the designated use (see the Assessment Methodology section for more information on use attainment determination). Waterbodies that are impaired by a pollutant are placed on the 303(d) List and scheduled for TMDL development.

Numeric criteria consist of a concentration value, exposure duration and an allowable exceedance frequency. The water quality standards prescribe numeric criteria for all designated uses. For the “propagation and maintenance of fish and other aquatic life” (Aquatic Life) use, there are two forms: acute criteria that are designed to prevent lethality, and chronic criteria that prevent retardation of growth and reproduction. The numeric criteria for acute aquatic life protection are specified as one-hour average concentrations that are not to be exceeded more than once in a three-year period. The criteria for chronic aquatic life protection are specified as four-day average concentrations that are not to be exceeded more than once in a three-year period. The exposure time criterion for human health protection is unspecified, but there are no allowable exceedances.

Water quality criteria also can be written in a narrative form. For example, the water quality standards contain a provision that states that wastes, present in any waters of the state, shall not adversely alter the integrity of the waters or cause significant adverse impact to the chemical, physical, hydrologic, or biological components of aquatic ecosystems. Narrative criteria are contained in Section 3 of 47CSR2. More information regarding the use of narrative criteria is contained in the Use Assessment Procedures section.

Ohio River criteria

For the Ohio River, both the Ohio River Valley Water Sanitation Commission (ORSANCO) and West Virginia water quality criteria were considered, as agreed upon in the ORSANCO compact. Where both ORSANCO and West Virginia standards contain a criterion for a particular parameter, instream values

were compared against the more stringent criterion. The DEP supports ORSANCO’s efforts to promote consistent decisions by the various jurisdictions with authority to develop 305(b) reports and 303(d) lists for the Ohio River. In support of those efforts, West Virginia has and will continue to work with ORSANCO and the other member states through a workgroup charged with improving consistency of 305(b) reporting among compact states. ORSANCO standards may be reviewed at <http://www.orsanco.org/index.php/standards>.

Surface Water Monitoring and Assessment

This section describes West Virginia’s strategy to monitor and assess the surface waters of the state. The DEP’s Division of Water and Waste Management (DWWM) collects most of the state’s water quality data. The Watershed Assessment Branch of DWWM is responsible for general water quality monitoring and watershed assessment. The remainder of this section describes the monitoring and assessment activities conducted by the Watershed Assessment Branch (WAB). In addition, WAB water quality data is currently available at: <https://apps.dep.wv.gov/dwwm/wqdata/>

The data at this site is continually updated as the site is live-linked to the database. In the near future, WAB biological data will also be available.

Streams and Rivers

West Virginia has a comprehensive strategy for monitoring the flowing waters of the state, by far the most prevalent surface waterbody type in the state. The Watershed Assessment Branch utilizes a tiered approach, collecting data from long-term monitoring stations, targeted sites within watersheds on a rotating basin schedule, randomly selected sites, and sites chosen to further define impaired stream segments in support of TMDL development. The following paragraphs present these approaches in further detail.

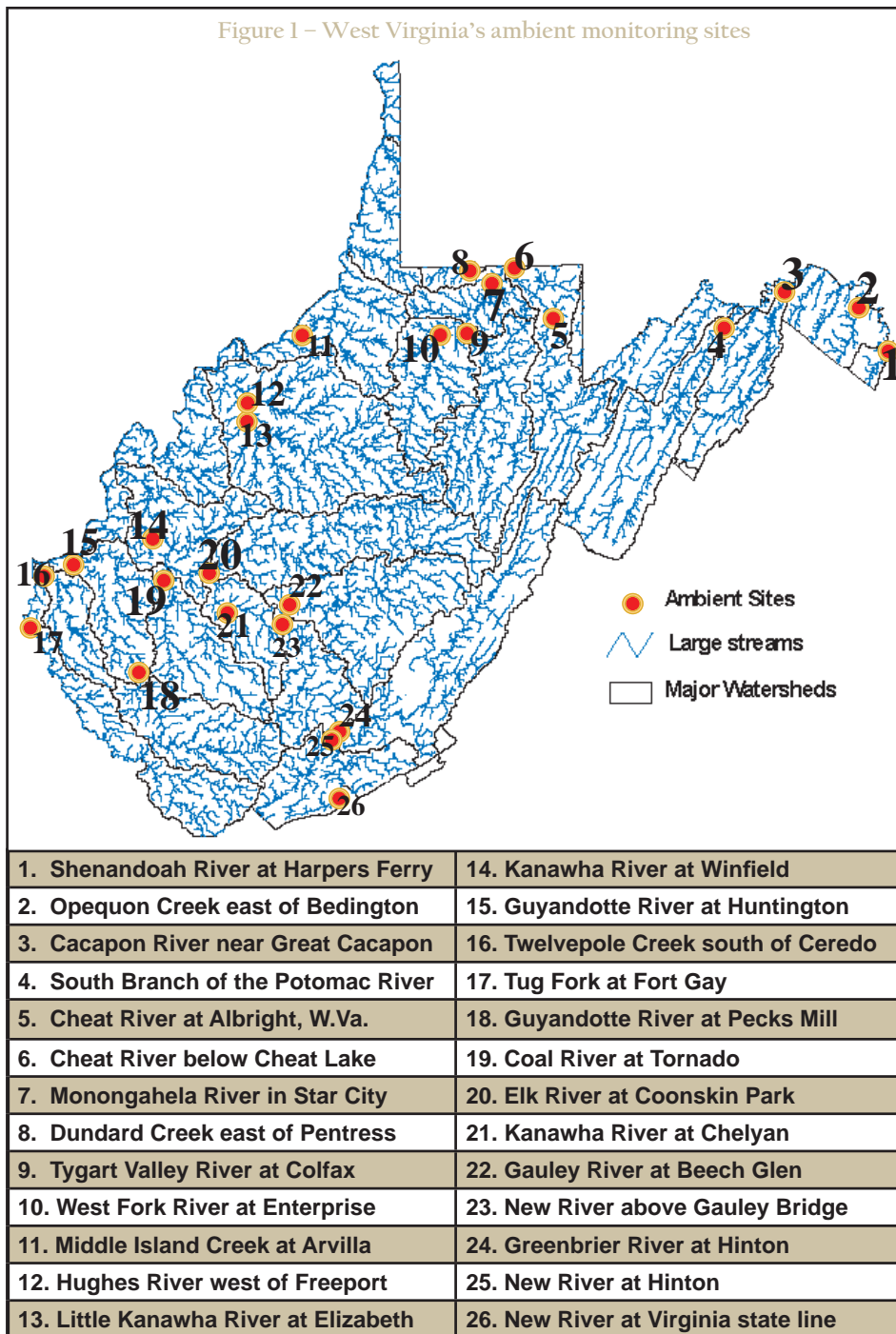
Probabilistic (random) sampling

Probabilistic sampling in West Virginia began in 1997. This program utilizes sites that are selected randomly by the EPA's Western Ecology Division Laboratory in Corvallis, Ore. The data collected at these sites can be subjected to statistical analysis to provide an overall characterization of a watershed. This analysis can then be used to predict the probability of a condition occurring within a watershed. The initial probabilistic sampling cycle, which concluded in 2001, was conducted in accordance with the five-year Watershed Management Framework cycle. Thirty sites were sampled within each watershed. A second round of probabilistic sampling, initiated in 2002, modified the framework cycle to a statewide approach. The objective for the second round was to collect 30 samples from each watershed over a five-year period (six sites are sampled in each watershed annually). Importantly, at the end of the five-year cycle, each of the state's major watersheds will continue to be independently characterizable. In 2011, West Virginia completed its third 5 year cycle of probabilistic monitoring. The target population for this effort was all flowing wadeable stream and rivers as a sample frame. The data analyzed for this report covers sampling years 2007 through 2011 and provides an overview of major pollutants impacting state waters. Monitoring protocols are similar to those applied to other WAB monitoring programs and include the collection of water quality and stream habitat information as well as the collection of benthic macroinvertebrate samples for assessing biological integrity. Further detail is provided in the section titled Probabilistic Data Summary.

Ambient water quality monitoring network

The ambient water quality monitoring network concept was established in the early 1960s. The network currently consists of 26 fixed stations that are sampled bi-monthly. Sampling stations are generally located near the mouths of the state's larger rivers and are co-located with USGS stream gages. The data provides information for trend analyses, general water quality assessments and pollutant loading calculations, and allows water resources

Figure 1 – West Virginia's ambient monitoring sites



managers to quickly gauge the health of the state's major waterways.

Targeted Monitoring

Targeted monitoring has been a component of West Virginia's assessment toolbox since the Watershed Assessment Program's inception in late 1995. Streams are sampled according to a five-year rotating basin approach. Sites are selected from the watersheds targeted for each particular year. Each site is subjected to a one-time evaluation of riparian and instream habitat, basic water quality parameters, and benthic macroinvertebrate communities.

Sites are selected to meet a variety of informational needs in the following areas:

- ↳ Impaired streams
- ↳ Reference (minimally impacted) streams
- ↳ Spatial trends (multiple sites on streams exceeding 15 miles in length)
- ↳ Areas of concern as identified by the public and stakeholders
- ↳ Previously unassessed streams

Pre-TMDL development Monitoring

The major objective of this effort is to collect sufficient data for Total Maximum Daily Load modelers to develop stream restoration plans. Pre-TMDL sampling follows the framework cycle, i.e., impaired streams from watersheds in hydrologic group A will be sampled in the same year as the targeted sampling. The 303(d) List is the basis for initial site selection and additional sites are added to comprehensively assess tributary waters and to allow identification of the suspected sources of impairment. Pre-TMDL Monitoring is intensive, consisting of monthly sampling for parameters of concern. This method captures data under a variety of weather conditions and flow regimes. Pre-TMDL monitoring also includes an effort to locate the specific sources of impairment, with particular attention to identifying non-point source

land use stressors as well as any permitted facilities that may not be meeting their permit requirements. For more information, see the TMDL Development Process section.

Lakes and Reservoirs

West Virginia does not make a distinction between lakes and reservoirs. By state definition, a publicly owned lake is any lake, reservoir, or pond that meets the definition of "waters of the state," is owned by a government agency or public utility, and is managed as a recreational resource for the general public. The DEP conducted lake water quality assessments from 1989 through 1996. This program was funded by the federal Clean Lakes Program, which was phased out in 1995. With additional financial support being provided to enhance state's monitoring strategies, DEP resumed a lake monitoring component in 2006. This program focuses on water quality, collecting field parameters (dissolved oxygen, pH, temperature, and conductivity), nutrient data, clarity, and chlorophyll a. Multiple sites are sampled in larger lakes and profile data for temperature and dissolved oxygen are obtained.

Many of West Virginia's largest reservoirs are controlled by the U.S. Army Corps of Engineers. Although The Corps' primary mission is to manage structures to provide navigation and flood control, the agency also is committed to water quality management. Data generated by the Corps has been used for assessment purposes.

Additional lake information is available from the West Virginia Division of Natural Resources. The DNR, one of the signatory agencies in the Partnership for Statewide Watershed Management, conducts fish community surveys on many of the state's reservoirs.

Wetlands

The State of West Virginia takes great interest in the management of its wetlands both large and small. The current total acreage

of wetlands within the state is 102,000 & comprises less than 1 percent of the State's total acreage (National Wetlands Inventory: WV 1980-86). As of this report, management efforts are currently geared toward protection of wetlands by regulatory proceedings or acquisition. Permitting authority for activities impacting wetlands (Section 404) lies with the U. S. Army Corps of Engineers. West Virginia insures protection through an active Section 401 certification program. A newly developed mitigation guidance document for creating and/or restoring wetlands has been drafted by the West Virginia Division of Natural Resources (DNR) and reviewed by the DEP.

Since the submission of the last 305(b) report; West Virginia's wetlands monitoring activities have expanded. Watershed Assessment personnel have been researching/developing assessment and monitoring strategies in conjunction with EPA and other states. The Wildlife Resources Section of the DNR, in cooperation with West Virginia University, has evaluated aerial photography from 2003 at a 1:4800 scale to supplement the data from the original National Wetlands Inventory. The detailed information this project provides allows for the identification of man-made changes since the 1986 NWI and enables proper Cowardin classification. The DNR recently completed the West Virginia Wetland Rapid Assessment Procedure (WVWRAP) for wetlands which can be used statewide. A WVWRAP (Level II) assessment captures in excess of 100 descriptive and assessment metrics at each site which are used directly or indirectly to provide wetland integrity and functional assessments. The WVWRAP protocol was developed in 2010 and (to date) has been applied at more than 680 sites to validate the technique. Calibration with intensive (Level III) assessments and GIS remote (Level I) assessments on the same wetlands/sites provides more confidence in data that will be generated in future rapid assessments. The DNR has also developed an Index of Biologic Integrity (IBI) for wetlands and applied it to approximately 90 wetlands which will contribute to the creation of reference standards for wetland integrity and wetland function.

In conjunction; approximately 40 landscape metrics descriptive of wetland ecological integrity and wetland functions have been extracted and/or derived for all palustrine, emergent, shrub-scrub and forested wetlands identified in the National Wetland Inventory. These metrics will be used as input data to generate indices of function and integrity in the assessment of wetland condition and functionality across the state.

The DNR submitted in spring of 2011 their West Virginia Wetland Program Plan, which describes a general direction for the state

Table 3 - Current and future monitoring activities
26 Ambient sites will continue to be monitored bi-monthly (monthly for Monongahela River Basin sites during low flow season)
A third round of probabilistic monitoring that began in the spring of 2007 was completed in 2011. Round four sites have been selected and monitoring will begin in 2013.
Pre-TMDL development monitoring: A year-long monitoring effort in the West Fork Watershed was completed in June 2010; streams from the South Branch of the Potomac plus streams from several watersheds that had previously been identified as biologically impaired because of ionic stress were monitored from July 2011 through June 2011; and streams in the Tygart River Watershed are being sampled from July 2012 through June 2013.
Group E Targeted Sampling – Approximately 30 sites were sampled during the 2010 summer sampling season from Upper Ohio South and Upper Guyandotte watersheds.
Group A Targeted Sampling – 43 targeted sites were sampled in 2011 from Cheat and Youghiogheny River watersheds,
Lakes – Nine lakes within Group A were sampled four times during the 2011 growing season (May through October); ten lakes within Group B were sampled in 2012; and approximately 10 Group C Lakes will be sampled in 2013.
Water quality meters were deployed at 112 locations on 97 streams in total for the years 2011 & 2012. Parameters measured include pH, temperature, specific conductance, and dissolved oxygen.
Long Term Monitoring Sites (LTMS or LitMuS). Approximate 60 sites were sampled in 2010, 2011, and 2012. A similar effort is planned for future years.
Long Term Monitoring Sites (LTMS or LitMuS). Approximate 50 sites were sampled in 2009. A similar or greater number will be assessed in 2010.

through 2015. The overall goal of the plan is to provide guidance and direction to the two state agencies (West Virginia Department of Environmental Protection and West Virginia Division of Natural Resources) directly involved with conserving and regulating wetland activities in the state. The plan includes suggestions for core monitoring elements, water quality standards, and increasing education/outreach efforts.

The West Virginia field portion of the U.S. EPA's National Wetlands Condition Assessment was completed in September of 2011. This project became a joint effort involving staff from DEP, DNR, and a variety of NRCS field offices. Besides funding provided to DEP and DNR for program development; DEP's Watershed Assessment Branch personnel received excellent field experience working in wetlands. The assessment and collection of data from numerous parameters (vegetation, soil, land uses, water quality, etc...) could provide an excellent framework to build a future West Virginia assessment method if necessary.

Citizen monitoring

West Virginia Save Our Streams is West Virginia's volunteer water quality monitoring program. Initiated in 1989, this program encourages citizens to become involved in the improvement and protection of the state's streams. Save Our Streams has two objectives. First, it provides the state with enhanced ability to monitor and protect its surface waters through increased water quality and aquatic life monitoring. Second, it improves water quality through educational outreach to the state's citizens. After citizens are actively involved in stream monitoring and restoration activities, they can initiate improvement projects within their own watersheds. Training workshops are conducted regularly throughout the state to train, certify and provide quality assurance. A major improvement in data accessibility for the program has been the development of an online Volunteer Assessment Database (VAD): <http://www.dep.wv.gov/WWE/getinvolved/sos/Pages/VAD.aspx>. Volunteer monitors can register and enter their own data online. The coordinator is the database administrator,

and has tools to verify the quality of the information before it is approved and included in the VAD. The database is also available for public viewing without registration. In addition, the program prepares "State of Our Streams" report. To learn more visit: <http://www.dep.wv.gov/sos>.

DATA MANAGEMENT

Assessed data

All readily available data was used during the evaluation process. In preparation for the development of this report, the agency sought water quality information from various state and federal agencies, college and universities, private individuals, businesses, organizations and others. News releases and public notices were published in state newspapers. Specific requests for data were made to state and federal agencies known by the DEP to be generators of water quality data. The DEP's staff reviewed data from external sources to ensure that collection and analytical methods, quality assurance and quality control and method detection levels were consistent with approved procedures. In addition, DEP has developed guidance for those wishing to submit data. The document contains a list of requirements for submitted data along with helpful internet links and a checklist for data submitters. The guide can be found on the DEP's Web site using the following link:

http://www.dep.wv.gov/WWE/watershed/IR/Documents/WV_WQ_Data_Submission_Guidelines_2010.pdf

Assessment decisions are made using the most accurate and recent data available to the agency. For stream water quality assessments, the DEP generally used water quality data generated between July 2006 and June 2011. The use of data more than five years old is intentionally limited. In the absence of new information, previous assessments are carried forward even if the data becomes older than five years. Additionally, if a water quality criteria change is approved which affects an older

assessment, the new assessment only reflects the current criteria. Waters are not deemed impaired based upon water quality data collected when stream flow conditions are less than 7Q10 flow (the seven consecutive day average low flow that recurs at a 10 year interval) or within regulatory mixing zones. Further, waters are not deemed impaired based upon “not-detected” analytical results from methodologies that have detection limits that are not sensitive enough to confirm criteria compliance.

External data providers

Data submitted from sources outside of the Watershed Assessment Branch were considered in the development of this report. This also includes data from other the DEP programs. Entities that provided information in response to the agency’s request for data for the 2012 Section 303(d) list are shown in Table 4. External data received and qualified in the preparation of previous Section 303(d) lists were reconsidered in the 2012 review. Once data was submitted, the DEP performed the following:

- ↳ Determined quality and quantity
- ↳ Determined stream codes and mile points
- ↳ Formatted data for evaluation
- ↳ Used qualified data from external sources to make assessment decisions

Table 4 - Data providers for the 2012 303(d) List and Integrated Report	
National Park Service - U.S. Department of Interior	ARGUS Energy WV, LLC.
Greer Limestone	Hunter Ridge Coal Company
CONSOL Energy	Appalachian Mountain Advocates
Piney Creek Watershed Association	Friends of Deckers Creek
West Virginia Department of Agriculture	M&J Coal Company Inc.
ORSANCO	Preston County Coal and Coke
West Virginia Department of Environmental Protection - Nonpoint Source Program	Freshwater Institute
Mepco, LLC	Patriot Mining Company, Inc.
Deckers Creek Limestone	Dana Mining Company
American Bituminous Power Partners, L.P.	

USE ASSESSMENT PROCEDURES

The primary focus of this report is to assess water quality information and determine if the designated uses of state waters are impaired. This section describes the various protocols used to determine use impairment.

Numeric water quality criteria

The decision methodology for numeric water quality criteria used in preparation of the draft 2012 Section 303(d) list are consistent with those used in 2010 listing cycle.

Typically, if an ample data set exists and exceedances of chronic aquatic life protection and/or human health protection criteria occur more than 10 percent of the time, the water is considered to be impaired. If the rate of exceedance demonstrated is less than or equal to 10 percent, then the water is considered to be meeting the designated use under evaluation. Ample data sets are defined as sets with 20 or more distinct observations. If fewer than 20 samples per station (or representative area) exist and three or more values exceed a criterion value, then the water also is considered to be impaired. For this scenario (three observed violations), if additional non-exceeding monitoring results were available that would increase the data set size to 20 observations, a greater than 10 percent exceedance frequency would still exist.

Under West Virginia Water Quality Standards, acute aquatic life protection criteria have associated exposure durations of one hour and may be exceeded once every three years. The normal practice of “grab-sampling” ambient waters is generally consistent with the one-hour exposure duration specified in the standards. Therefore, a direct application of the allowable exceedance frequency provided in the standards is made when assessing impairment relative to acute aquatic life protection criteria. If two or more exceedances of acute criteria are observed in any three-year period, the water is considered to be impaired.

If the data being evaluated is generated as part of a comprehensive network being monitored for a specific purpose, the data may be assigned a higher level of assessment quality, and the “10-percent rule” may be applied with confidence to data sets containing less than 20 observations per station. The primary example of an intensified monitoring program that generates higher assessment quality data is that which is conducted by the DEP to support TMDL development. The pre-TMDL monitoring format includes flow measurement and monthly water quality monitoring for one year at multiple locations throughout a watershed. Information is generated over a range of stream flow conditions and in all seasons. Habitat assessment and biological monitoring is performed in conjunction with water quality monitoring. The information generated under this format is among the most comprehensive available for assessing water quality. Upon conclusion of monitoring, it is then necessary for agency personnel to make a definitive judgment relative to impairment. In most instances, application of the “10-percent rule” to the pre-TMDL monitoring data sets result in the classification of waters as impaired if two or more exceedances of a criterion are demonstrated.

Additionally, the DEP does not interpret the impacts of a single pollution event as representative of current conditions if it is believed that the problem has been addressed. Similarly, the DEP does not intend to interpret the results of clustered monitoring of a single event as being representative of water quality conditions for longer time periods. Datasets are screened for excessive clustering of monitoring, in space or time, to avoid misinterpretation.

Table 5 summarizes the criteria used to make 303(d) impairment decisions relative to numeric water quality criteria period.

Evaluation of fecal coliform numeric criteria

Fecal coliform assessments were based on the previously described decision criteria for numeric water quality criteria. Given

Table 5 - Numeric water quality decision criteria for listing of impaired waters

Water Quality Criteria	Impairment Thresholds	Additional Considerations
Acute Aquatic Life Protection (Use Category B)	The water is impaired if two exceedances of acute aquatic life protection numeric criteria occur within any three-year period.	If, in the most recent three-year period, no exceedances of criteria are evidenced and at least 12 monitoring results are available, then the water may be considered “not impaired.”
Chronic Aquatic Life Protection (Use Category B) Human Health Protection (Use Categories A and C)	<p>The water is impaired if a greater than 10% frequency of exceedance is demonstrated in an ample dataset (20 or more available observations).</p> <p>The water is impaired if three exceedances of criteria occur with less than 20 available monitoring results.</p> <p>The water is impaired if a greater than 10% frequency of exceedance is demonstrated with less than 20 available observations, if the data being evaluated is of high assessment quality (> two violations)</p>	If, for waters with regularly scheduled monitoring, in the most recent two-year period, no exceedances of criteria are evidenced and at least eight observations are available, then the water is not be considered impaired.

the complexity of this particular criteria, most assessments are performed by comparing observations to the “maximum daily” criterion value of 400 counts/100ml. Evaluation of the monthly geometric mean fecal coliform criterion (200 counts/100ml) occurs only where five or more individual sample results are available within a calendar month.

Numeric fecal coliform water quality criteria are applicable to the Water Contact Recreation and Public Water Supply designated uses. Section 8.13 of Appendix E of the West Virginia Water Quality Standards states:

8.13 Maximum allowable level of fecal coliform content for Primary Contact Recreation shall not exceed 200/100ml as a monthly geometric mean based on not less than five samples per month; nor to exceed 400/100ml in more than 10 percent of all samples taken during the month.

8.13.1 Ohio River main stem (zone I) - During the non-recreational season (November through April only) the maximum allowable level of fecal coliform for the Ohio River (either MPN or MF) shall not exceed 2000/100 ml as a monthly geometric mean based on

not less than 5 samples per month. (This higher criterion for the Ohio River mainstem is effective only during the non-recreational season and all ORSANCO data evaluated by DEP for listing purposes is collected during the recreation season. Therefore, use of the 200 counts/100ml geometric mean criteria is appropriate).

A practical difficulty exists in accurate assessment of criteria compliance due to the resource commitment that would be necessary to perform monitoring at a sufficient frequency to make determinations using the geometric mean criteria, since the monthly geometric mean criterion is conditioned upon the availability of at least five distinct sample results in a month. The “maximum daily” criterion is not conditioned by a minimum sample set requirement, but practical use of the apparent 10 percent exceedance allowance would involve at least 10 samples per month.

The most frequent and regular fecal coliform water quality monitoring conducted by the Watershed Assessment Section is once per month. That monitoring frequency precludes assessment of the monthly geometric mean criterion and hampers

accurate assessment of the maximum daily criterion. Due to limited resources, more frequent fecal coliform monitoring could only be accomplished by significantly reducing the number of West Virginia streams and/or stations where water quality assessments are performed. The DEP does not consider that to be a reasonable alternative.

The DEP uses the following protocols when making assessments relative to fecal coliform numeric criteria:

↳ *No assessments are based upon the monthly geometric mean criterion (200 counts/100ml) unless an available data set includes monitoring at five per month or greater frequency. When data sets are available, the listing decision criteria for numeric water quality criteria are applied, considering each monthly geometric mean as an available monitoring result.*

↳ *The listing decision criteria are applied to the maximum daily criterion (400 counts/100ml) and available individual monitoring results, but without the monthly prejudice. For example, if twice per month monitoring is conducted for a year and two results in two separate months are greater than 400, the stream would be assessed as fully supporting (2/24 – 8.3 percent rate of exceedance rather than basing assessments on two months out of 12 in noncompliance (2/12 – 16.7 percent rate of exceedance). If five samples per month monitoring is conducted for one year and four daily results greater than 400 are measured in four different months, the stream would be assessed as fully supporting (4/60 – 6.7 percent rate of exceedance) rather than nonsupporting (4/12 – 33.3 percent rate of exceedance), provided that the monthly geometric means were below the 200 counts/100 ml criteria.*

The decision criteria does not provide for 303(d) listing of waters with severely limited data sets and exceedance (i.e., one sample

in a five-year period > 400 counts/100ml). Such waters would be classified as having insufficient data available for use assessment. The DEP will target these “fecal one-hit” waters for additional monitoring by incorporating them into the pre-TMDL monitoring plans at the next opportunity for TMDL development in their watershed. Where the intensified pre-TMDL monitoring (monthly sampling for one year) indicates impairment, TMDL development will be immediately initiated, even though the water may not be included in Category 5 of the current Integrated Report.

Narrative water quality criteria

Biological impairment data

Passage of Senate Bill 562 in the 2012 regular legislative session requires DEP to develop and secure legislative approval of new rules to interpret the narrative criterion for biological impairment found in 47 CSR 2-3.2.i. A copy of the legislation may be viewed at http://www.legis.state.wv.us/Bill_Text_HTML/2012_SESSIONS/RS/pdf_bills/SB562%20SUB1%20enr%20PRINTED.pdf.

In response to the legislation, DEP is not adding new biological impairments to the 2012 Section 303(d) list. Previously listed impairments are being retained. When new rules become effective, delisting without TMDL development may occur if the application of the assessment methodology demonstrates a non-impaired condition. The following section describes the methodology historically used by DEP to assess the narrative criterion at 47 CSR 2-3.2.i. Once developed, the revised assessment methodology called for in SB 562 will be made available for public review as part of the legislative rule making process.

The narrative water quality criterion of 47CSR2 – 3.2.i. prohibits the presence of wastes in state waters that cause or contribute to significant adverse impact to the chemical, physical, hydrologic and biological components of aquatic ecosystems. Streams have been listed as biologically impaired based on a survey of their benthic macroinvertebrate community. Benthic macroinvertebrate

communities were rated using a multimetric index developed for use in wadeable streams of West Virginia. The West Virginia Stream Condition Index (WVSCI) is composed of six metrics that were selected to maximize discrimination between streams with known impairments and reference streams. Streams with WVSCI scores of less than 60.6 were considered biologically impaired and included on the 303(d) List. Benthic macroinvertebrates are collected with a 500 µm mesh rectangular dip net. The kick sample is collected from the 1.0 m² area of substrate. Identifications are completed for a 200-organism subsample. The WVSCI was developed from data using these methods. Streams were listed as being biologically impaired only if the data was comparable (e.g., collected utilizing the same methods used to develop the WVSCI, adequate flow in riffle/run habitat, and within the current index period).

Most streams with low biological scores are listed as having an unknown source/cause of impairment on the 303(d) List and most are listed, by default, for their entire length. It is doubtful that the entire length of every stream is impaired, but without further data, the exact length of impairment is unknown. Each listed stream will be revisited prior to TMDL development. The additional assessments performed in the pre-TMDL monitoring effort will better define the impaired length. The causative stressor(s) of the impairment and the contributing sources of pollution also will be identified during the TMDL development process. If the stressor identification process demonstrates that the biological impairment is not caused by a pollutant, then no TMDL will be developed.

Fish consumption advisories

The narrative water quality criterion of 47CSR2 – 3.2.e prohibits the presence of materials in concentrations that are harmful, hazardous or toxic to man, animal or aquatic life in state waters. Fish consumption advisories are used to inform the public about potential health risks associated with eating fish from West Virginia's streams. The DEP, the Division of Natural Resources, and the Bureau for Public Health have worked together on fish

contamination issues since the 1980s and an executive order from the governor and subsequent Interagency Agreement signed in 2000 formalized the collaborative process for developing fish consumption advisories. In the absence of specific body-burden criteria, the presence of contaminants in fish tissue in amounts equivalent to a two meal per month advisory is considered sufficient evidence of impairment.

Risk-based principles are used to determine whether fish consumption advisories are necessary. These advisories are used as a public education tool to help citizens make informed decisions about eating fish caught in state streams. The risk-based approach estimates the probability of adverse health effects and provides a statement on the health risk facing the angler and high-risk groups including women of childbearing age and children. West Virginia's fish consumption advisories include guidelines on the number of meals to eat and information on proper fish preparation to further minimize risk.

Waterbody-specific fish consumption advisories exist for 14 state streams and five lakes for a variety of fish species and contaminants. Additionally, there is a general statewide advisory that recommends limiting the consumption of certain sport-caught fish from all West Virginia waters in relation to low-level mercury and/or polychlorinated biphenyl (PCB) contamination. The statewide advisory provides species-specific recommendations ranging from one meal per week to one meal per month. The fish advisories Web site is <http://www.wvdhhr.org/fish/>

The listing of waters based on fish consumption advisories is strongly supported by the EPA. For PCBs, waters are considered impaired if at least one monitoring result for tissue from a commonly consumed species exceeds the two meals per month advisory trigger.

In regard to mercury, West Virginia water quality standards contain

both methylmercury and total mercury criteria for water column and body burden (fish tissue) criterion for methylmercury. The body burden criterion of 0.5 µg/g applies to public water supply and water contact recreation designated uses. Because of variability in the ratio of methylmercury to total mercury in fish tissue results, DEP has decided to use only methylmercury results from whole fish analyses for 303(d) listing purposes.

For the mainstem Ohio River, the applicable ORSANCO body-burden criterion is 0.3 µg/g. As with previous 303(d) lists, DEP has deferred to ORSANCO's assessment results for mercury listing purposes. ORSANCO's assessment methodology is included in their Biennial Assessment of Ohio River Water Quality Conditions for 2012.

Excess filamentous algae

Section 3.2.g of West Virginia Water Quality Standards specifically prohibits algae blooms which may impair or interfere with the designated uses of affected waters and section 3.2.h prohibits conditions that require an unreasonable degree of treatment for the production of potable water by modern water treatment processes as commonly employed.

Greenbrier River

In the past, the DEP has received a number of reports of excessive algal growth along certain sections of the Greenbrier River which made fishing and swimming in these areas nearly impossible during portions of the summer season. In order to address this loss of recreational use, the DEP began evaluating algal growth on the Greenbrier River in 2007 to determine both the extent of impact and the sources of pollution which were contributing to these conditions.

The initial investigation documented conditions in the mainstem of the Greenbrier River. Thick algal mats and/or large areas of attached filamentous algae growth occurred over approximately 50 miles of the river, at times stretching from bank to bank. Similar

conditions occurred in 2008. During both 2007 and 2008, public water suppliers drawing river water from affected areas received complaints of odor in their drinking water requiring initiation of additional treatment measures.

In 2009, DEP personnel performed intensive water quality sampling along the Greenbrier River as the algae began to bloom. In-stream grab samples were analyzed for total and dissolved phosphorus, total nitrogen, alkalinity, hardness, and other parameters. Both the chemical and physical conditions in the Greenbrier River – including hardness, alkalinity, temperature, clarity, substrate and the elevated levels of nitrogen and phosphorus– proved to be ideal for growth of filamentous algae. The written report Assessment of Filamentous Algae in the Greenbrier River and Other West Virginia Streams summarizing the investigation is available on the DEP's Web site.

West Virginia does not currently have numeric water quality criteria for phosphorus in flowing rivers. However, seasonal non-attainment of designated uses (public water supply and contact recreation) has been documented due to excessive algal growth which has been attributed to anthropogenic phosphorous inputs. Based on these findings, the DEP assessed the Greenbrier River as impaired from its mouth upstream to mile point 102.7 (confluence of Beaver Creek) in the 2010 303(d) list. The existence of prohibited algal blooms continued to be documented in the summers of 2010 and 2011 and the Greenbrier River continues to be listed as impaired from its mouth to mile point 102.7.

South Branch Potomac River and Cacapon River

Over the past three years, DEP evaluated algal growth in the South Branch Potomac and the Cacapon rivers to determine the magnitude and extent of impacts to the designated uses of those waters. The evaluation documented seasonal non-attainment of designated uses due to excessive algal growth in segments of both rivers.

In the South Branch Potomac River between Moorefield and Romney and in the Cacapon River between Wardensville and Forks of Cacapon, algae were observed in amounts that may interfere with the water contact recreation designated use. At various locations within those reaches, algae covered the entire stream substrate and/or formed mats that covered large portions of the stream. Additionally, the City of Romney advised DEP that algal-related taste and odor in their finished drinking water required activated charcoal addition to control. That condition impairs/interferes with the public water supply designated use.

The DEP has determined the South Branch Potomac River to be impaired due to algal blooms from MP 23.7 (confluence with Johns Run) to MP 58 (confluence with South Fork) and the Cacapon River from MP 39 (confluence with North River) to MP 76 (Route 259 Bridge near Wardensville).

Segmentation of streams

The majority of newly listed streams were identified as impaired for their entire length. Segmentation occurred only in limited situations involving streams with impoundments, alternative designated uses, when knowledge of a specific pollutant source allowed clear distinction of impaired and unimpaired segments, or streams with multiple monitoring locations having different results. If data from multiple monitoring locations on a stream are available, any observed impaired condition is extended in both upstream and downstream directions until contradicted by an observed condition that indicates criterion attainment.

Segmentation based upon the limited amount of water quality monitoring data that is usually available may not accurately portray the extent of impairment and may contradict the ultimate findings of the TMDL that the listing mandates. The DEP believes the TMDL development process, which links extensive water quality monitoring with pollutant sources through computer modeling, provides the best assessment of criterion attainment and the most accurate identification of the watershed sources for which

pollutant reductions are necessary. TMDL modeling predicts water quality over a wide range of climatic and stream flow conditions, incorporates the specific exposure duration and exceedance frequency terms of water quality criteria and prescribes pollutants allocations that will result in attainment of criteria in all stream segments.

ASSESSMENT RESULTS

This section contains the results from all the data that has been assessed for West Virginia waterbodies. Table 6 shows a summary of the classification of West Virginia waters under the five “Integrated Report” categories (see page 4). The results reveal that 23 percent of West Virginia’s stream miles are in either Category 1 or 2 (fully supporting all or some assessed uses). Category 3, streams with insufficient data, makes up 36% of stream miles, the largest percentage of the five categories. However, that number is somewhat deceiving. The streams with limited data are typically small unnamed tributaries, which usually contribute to the larger waterbodies which have been assessed. All major rivers in the state; the Kanawha, Monongahela and Little Kanawha rivers, have data and have been assessed and placed into one of the other four categories. Approximately 41% of West Virginia’s streams are impaired and fall into either Category 4 or 5.

The lists of Category 1, Category 2, and Category 3 waters are quite large; therefore, they are not published in this document. The waters included in these three categories can be viewed on DEP’s Web site, www.dep.wv.gov. Waters listed in category 4 are included in the supplements toward the back of this document in Supplemental B, and D sections. Category 5 waters are included in the document and is the 303(d) List.

Category 5 includes 1,176 impaired stream segments, covering approximately 6,027 stream miles that are impaired and need TMDLs developed. This number has decreased from 6,685 miles

Table 6 - 2012 Category Summary Report for West Virginia

LAKES					
Type	CATEGORY	# of lakes	% lakes	acres	% acres
Lake	1	27	20	533	2
Lake	2	47	36	6721	29
Lake	3	43	32	8357	35
Lake	4a	9	7	189	1
Lake	5	6	5	7756	33
	TOTAL	132	100	23556	100
STREAMS					
Type	CATEGORY	# of stream segments	% stream segments	miles of streams	% miles
Stream	1	1191	11	4380	14
Stream	2	861	8	2621	9
Stream	3	6533	57	11007	36
Stream	4a	1570	14	6562	21
Stream	4b	1	0	2	0
Stream	4c	34	0	31	0
Stream	5	1176	10	6027	20
	TOTAL	11366	100	30630	100

of impaired streams identified on the 2010 list. The decrease is due, in part, to the TMDL development timeline. TMDLs always are in various stages of development, and with the additional sampling data generated, streams and stream segments may move from Categories 1, 2 or 3 to Category 5.

Additionally, TMDLs that have not yet been approved by the EPA remain listed in Category 5. Once these TMDLs are approved, those streams and stream segments will move to Category 4a.

Table 7 contains a breakdown of use support specific to the use categories for state waters as set forth in the Water Quality

Standards (47CSR2). The list and the summary results of Table 8 and Table 9 provide an overview of the impairment status of West Virginia waters.

The most common impairments of West Virginia waters are:

- ↳ Biological impairment, as determined through application of the West Virginia Stream Condition Index
- ↳ Bacterial contamination evidenced by exceedance of numeric water quality criteria for fecal coliform
- ↳ Exceedance of numeric water quality criteria for pollutants associated with mine drainage (low pH, and high concentration of iron, aluminum, selenium and/or manganese)
- ↳ PCB fish tissue contamination, and
- ↳ Low pH associated with acid rain

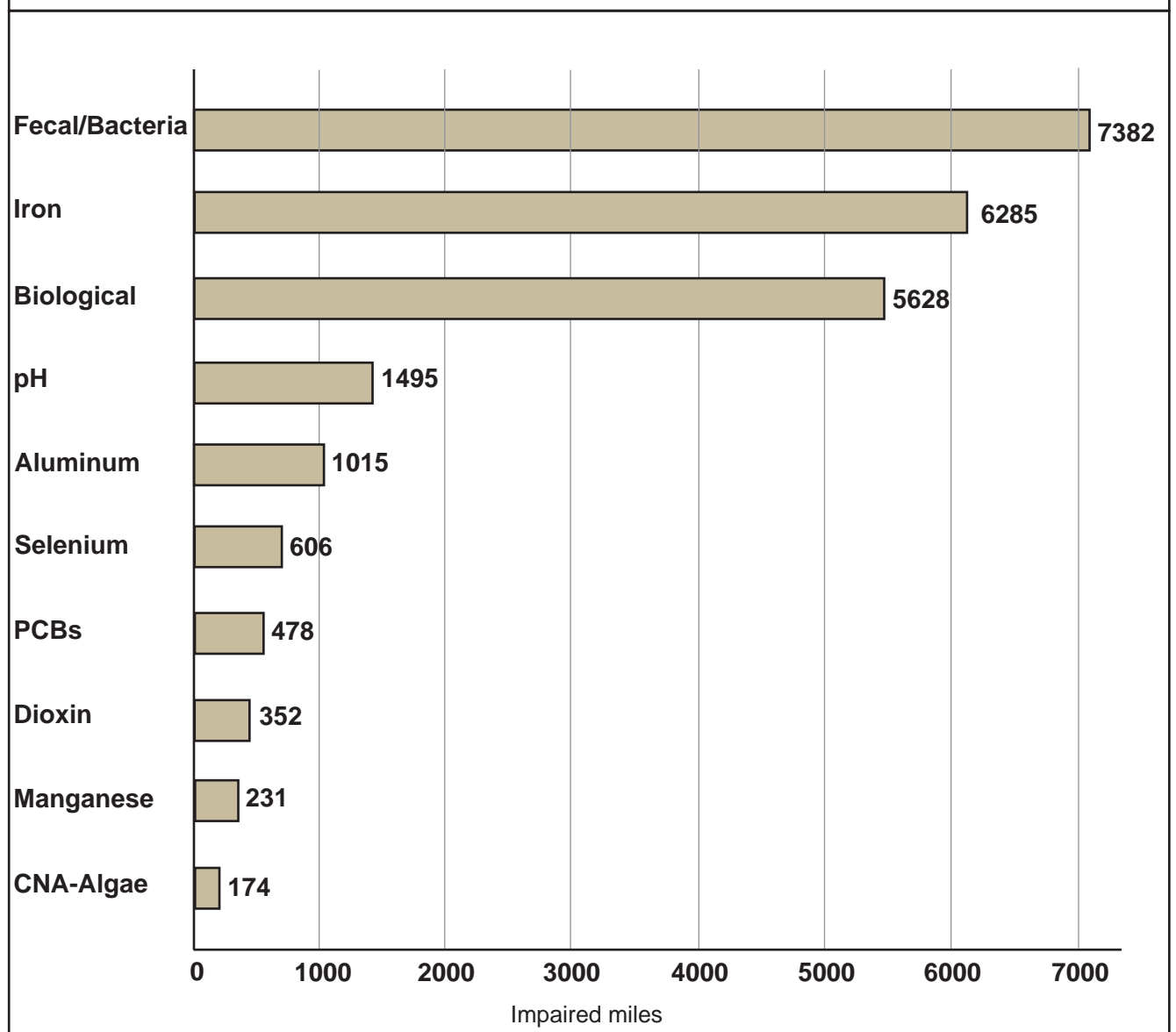
Table 7 - West Virginia use support summary

LAKES																		
Designated Use	Number of Lakes	Size (acres)	Fully Supporting				Insufficient Data				Not Assessed				Not Supporting			
			#	%	Acres	%	#	%	Acres	%	#	%	Acres	%	#	%	Acres	%
A - Public Water	132	23556	33	25	862	4	53	40	16117	68	34	26	1730	7	12	9	4847	21
B1 - Warm Water Fishery	113	18219	26	23	838	5	44	39	15462	85	34	30	1730	9	9	8	189	1
B2 - Troutwater	19	5337	12	63	999	19	7	37	4338	81	0	0	0	0	0	0	0	0
C - Contact Recreation	132	23556	62	47	3405	14	26	20	10608	45	37	28	1783	8	7	5	7760	33
D - Agriculture and Wildlife	132	23556	71	54	8561	36	23	17	13209	56	37	28	1783	8	1	1	4	0
E -Industrial	132	23556	71	54	8561	36	23	17	13209	56	37	28	1783	8	1	1	4	0
Total	132	23556																
STREAMS																		
Designated Use	Number of Stream Segments	Size (miles)	Fully Supporting				Insufficient Data				Not Assessed				Not Supporting			
			#	%	Miles	%	#	%	Miles	%	#	%	Miles	%	#	%	Miles	%
A - Public Water	11363	30627	2198	19	8576	28	585	5	1131	4	6305	55	10583	35	2275	20	10337	34
B1 - Warm Water Fishery	10328	25618	1058	10	3768	14	1151	11	3340	13	6026	58	9937	39	2093	20	8573	33
B2 - Troutwater	1038	5012	367	35	2127	42	184	18	955	19	282	27	652	13	205	20	1278	25
C - Contact Recreation	11366	30630	2425	21	9259	30	693	6	1598	5	6499	57	10977	36	1749	15	8796	29
D - Agriculture and Wildlife	11365	30630	3929	35	16769	55	382	3	967	3	6511	57	10996	36	543	5	1898	6
E -Industrial	11366	30630	3929	35	16769	55	382	3	967	3	6512	57	10996	36	543	5	1898	6
Total	11366	30630																

Table 8 - Summary of the causes for impaired streams

TYPE	CAUSE	SIZE (acres)
Lake	Methylmercury	7126
Lake	PCBs	630
Lake	Sedimentation/ Siltation	189
Lake	Trophic State Index	96
Lake	Iron	54
Lake	DO	4
TYPE	CAUSE	SIZE (miles)
Stream	Fecal/Bacteria	7382
Stream	Iron	6285
Stream	Bio-Impairment	5628
Stream	pH	1495
Stream	Aluminum	1015
Stream	Selenium	606
Stream	PCBs	478
Stream	Dioxin	352
Stream	Manganese	231
Stream	CNA-Algae	174
Stream	Chloride	86
Stream	Low Flow Alterations	44
Stream	DO	34
Stream	Nitrite	13
Stream	Ammonia	5.4
Stream	Temperature, water	2.3
Stream	Lead	1.5

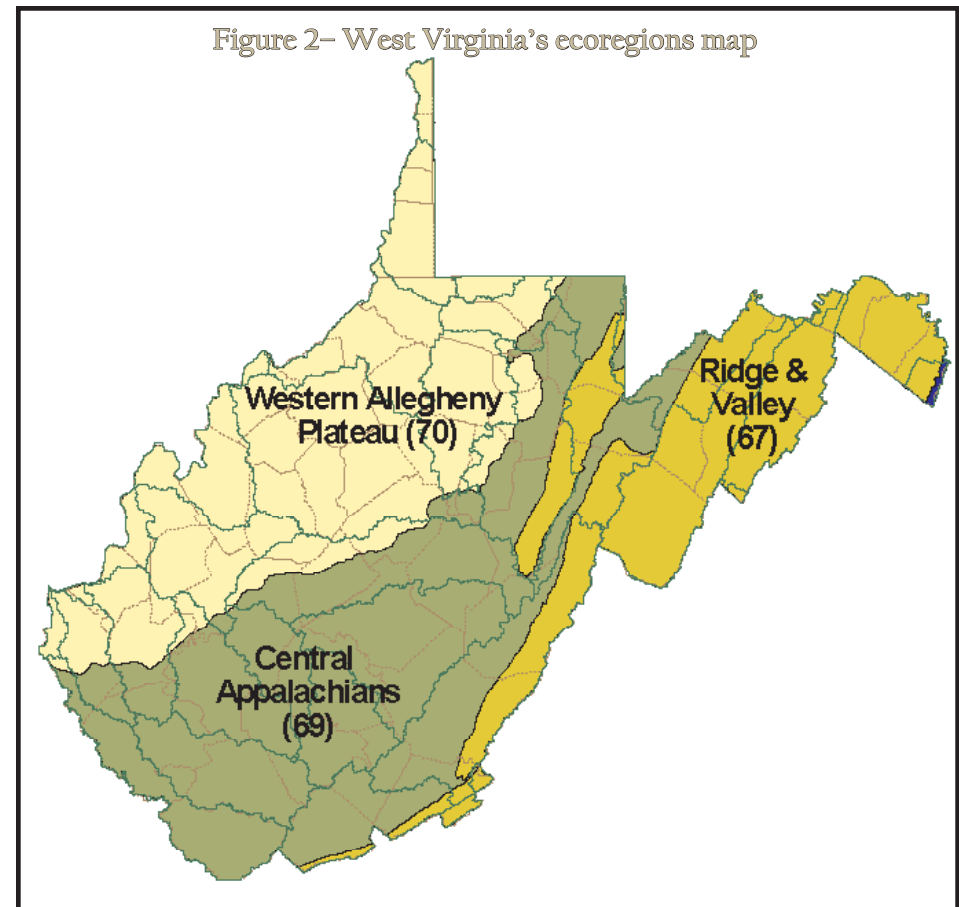
**Table 9 - Number of miles for the leading causes of West Virginia impaired streams
(shows causes with >100 miles impaired)**



Probabilistic Data Summary

The goal of DEP's probabilistic monitoring program is to provide statistically unbiased estimates of stream condition throughout a particular region (i.e., watershed, ecoregion or state) without assessing every stream mile in that region. This approach can be used to describe various aspects of stream condition including, the proportion of stream miles with biological impairment, the proportion of stream miles with specific water quality criterion violations, and the characterization of the relative importance of stressors such as sedimentation or acid precipitation. The probabilistic design used for this summary allows DEP to characterize overall water quality conditions at an ecoregional (Omernik Level III) scale in addition to providing estimates of conditions statewide. Probabilistic assessment sites were distributed within the three major ecoregions in West Virginia: the Western Allegheny Plateau (70), Central Appalachians (69), and Ridge and Valley (67). Due to its small extent in West Virginia, the Blue Ridge Mountain Ecoregion (66) was combined with Ecoregion 67 for assessments and data analysis.

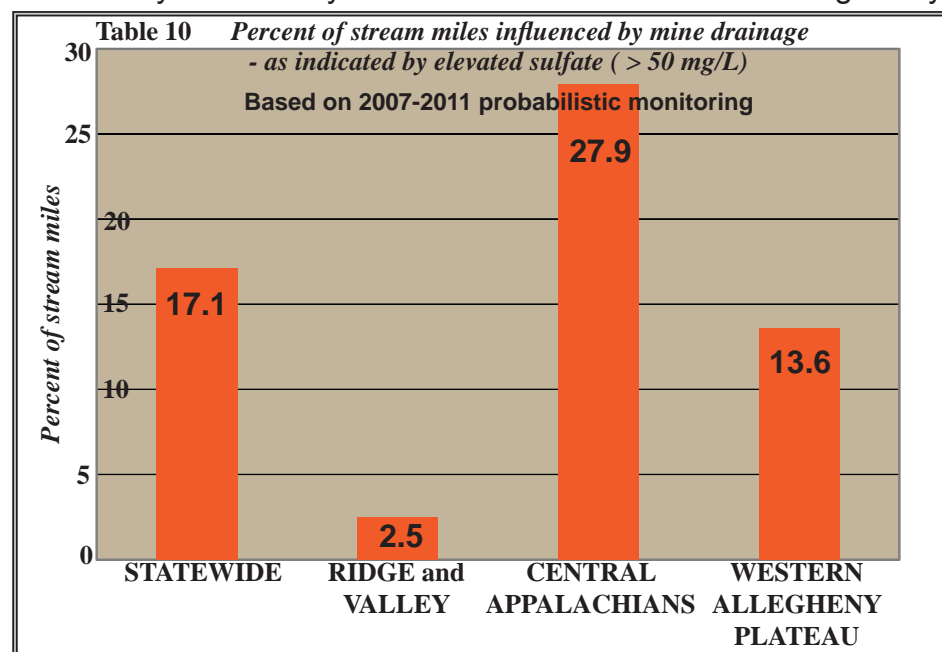
In 2011, West Virginia completed its third 5-year cycle of probabilistic monitoring. The target population for this effort was all flowing wadeable streams and rivers (1st - 4th Strahler order size class) using USGS's 100k NHD Plus as the sample frame. Based on this sample frame, West Virginia has 31,912 miles of streams (excluding the Ohio River), with approximately 30,231 miles in the 1st-4th order size class. Of these, an estimated 26,337 miles of streams statewide are in the target population from which data for this summary were obtained (Ridge and Valley = 5,860 miles; Central Appalachians = 10,925 miles; and Western Allegheny Plateau = 9,552). The DEP is currently preparing for a fourth cycle of monitoring ambient conditions using the Probabilistic Method. This report summarizes the data from all five years of the third cycle (2007 – 2011). Approximately 26 sites were sampled within each ecoregion every year from 2007 - 2011, resulting in 130 samples per ecoregion at the end of five years. This level of



effort allows for estimations of stream condition across the state with a high degree of confidence. Additionally, this summary includes results from the second cycle (2002-2006), allowing for basic temporal observations between time frames. Comparisons between probabilistic results in this Integrated Report (2012) to previous reports, with the intent to derive temporal trends, are not appropriate because previous reports used data from a time frame that spanned two cycles. For the stream condition indicators discussed below, values in brackets ([xx.x]) are results from the second cycle (2002-2006).

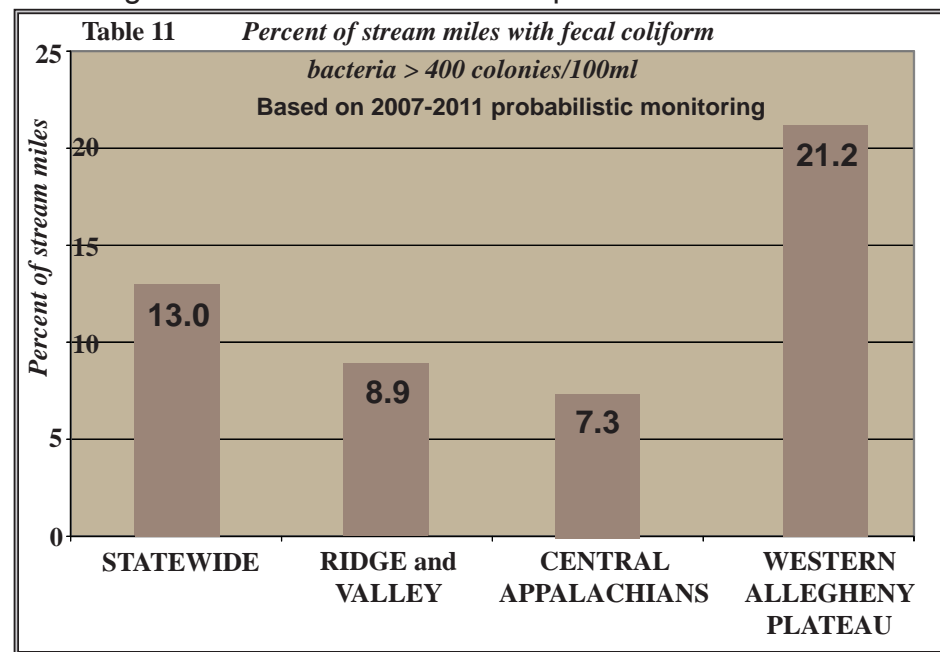
Mine drainage

Streams receiving mine drainage may be impaired by low pH and/or elevated concentrations of metals, including iron, aluminum, and manganese. Other dissolved ions such as sulfate may also be present in concentrations above background levels. A sulfate concentration greater than 50 mg/L was used to identify probabilistic sites influenced by mine drainage. Following this guideline, approximately 17.1% [18.1%] of the stream miles statewide are influenced by mine drainage (Table 10). Observed on an ecoregional basis, mine drainage influences a greater proportion of stream miles in the coal rich Central Appalachians (Ecoregion 69) than in the Ridge and Valley (Ecoregion 67) or Western Allegheny Plateau (Ecoregion 70). About 27.9% [27.2%] of the stream miles in the Central Appalachians are influenced by mine drainage. Contrastingly, about 2.5% [6.7%] and 13.6% [13.3%] of stream miles are influenced by mine drainage in the Ridge and Valley and Western Allegheny Plateau, respectively. Based on a 95% confidence interval, the % of stream miles influenced by mine drainage has not changed significantly between cycle 2 and cycle 3 on a statewide scale or ecoregionally.



Bacterial contamination

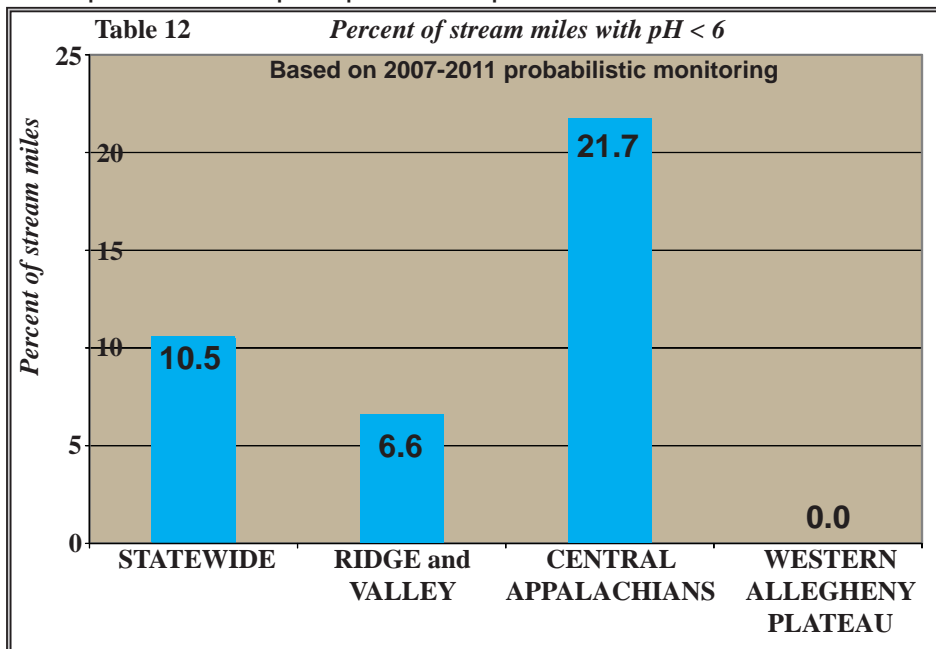
Many West Virginia streams contain elevated levels of fecal coliform bacteria. Contributors to the problem include leaking or overflowing sewage collection systems, illegal homeowner sewage discharges by straight pipes or failing septic systems, and runoff from urban or residential areas and agricultural lands. Based on probabilistic data, about 13.0% [17.1%] of stream miles in the state have fecal coliform bacteria levels that exceed the criterion of 400 colonies/100mL (Table 11). In general, watersheds in the more developed regions of the state had a greater proportion of stream miles exceeding the criterion. Among ecoregions, the proportion of stream miles violating the criterion was highest in the Western Allegheny Plateau with 21.2% [22.7%] of stream miles exceeding the criterion. The proportion of stream miles exceeding the criterion was somewhat lower in the Central Appalachians at 7.3% [13%] and Ridge and Valley Ecoregions at 8.9% [15.3%]. It should be noted that DEP's probabilistic monitoring is performed at baseflow conditions. Because samples are not collected during storm runoff events, bacteria levels that may increase under these higher flow conditions are not represented in the results. A



modest decrease in the percentage of stream miles exceeding the criterion was evident between the two cycles in both the Central Appalachians and Ridge and Valley Ecoregions. However, confidence intervals did not indicate a significant change between cycles on an ecoregional or statewide scale.

Acidity

Aquatic life communities in the headwater sections of many West Virginia streams continue to be impacted by low pH, and thus, acidic water quality. The impairment is most prevalent in watersheds with soils of low buffering capacity and most often caused by acid precipitation and less often (but potentially more severely) by acid mine drainage. An evaluation of probabilistic data indicates that approximately 10.5% [8.3%] of the stream miles in the state have pH values below 6.0 (Table 12). Most of the stream miles identified as impacted by acidic waters are in the Central Appalachians Ecoregion, representing 21.7% [17.4%] of the stream miles within this area. Specifically, the Forested Hills and Mountains section of this ecoregion are largely susceptible to acid precipitation impacts due to infertile soils and



resistant sandstones of the Pottsville group. The Ridge and Valley Ecoregion is less susceptible to the impacts of acid deposition with geologic materials such as limestone and shale providing more buffering capacity to neutralize acid precipitation. Nonetheless, probabilistic data indicates that approximately 6.6% [3.4%] of the stream miles in this ecoregion are impacted by acidic conditions. Although present, the extent of stream miles impacted by acidic waters within the Western Allegheny Plateau Ecoregion is near 0% [0.3%]. In fact, their proportion to the overall size of the total population of stream miles is insignificant enough to result in no acidic stream miles based on this cycle's probabilistic analysis. Again, this ecoregion has well buffered soils that limit the impacts of acid precipitation. Furthermore, where they do exist in this ecoregion, acidic waters are more likely the result of acid mine drainage than acid precipitation. Based on confidence intervals, there were no significant changes in the proportion of acidic waters between cycles for ecoregions or the entire state.

Habitat quality

It is nearly impossible to accurately interpret the biological health of streams without measuring various aspects of habitat quality. During the course of probabilistic sampling, DEP personnel collected data on many features of both riparian and instream habitat known to be important to the biological communities of streams. Habitat parameters from EPA's Rapid Bioassessment Protocol (RBP) were measured. These include measures of the amount of sediment and embeddedness in the stream channel as well as measures of the vegetation along the bank and riparian zone in the stream corridor. Specifically, ten parameters are scored (0-20) based on their quality and then combined to assess the overall physical habitat condition of the site. The overall scores (Total RBP Habitat – max score 200 pts.) were categorized as good, fair, or poor (Table 13). Based on probabilistic data, about 17.7% [21.5%] of stream miles statewide have good habitat quality (total RBP score of 160 or greater), 68.9% [67.9%] of stream miles have fair habitat quality (110–159), and 13.4% [10.6%] of stream miles have poor habitat quality (< 110). While

these categorical thresholds are somewhat arbitrary, they do provide a good comparison of habitat conditions between two or more geographic areas. Based on confidence intervals, there was not a significant change in overall habitat quality on a statewide scale between cycle 2 and 3.

The Ridge and Valley had the highest proportion of stream miles rated in the good category for overall habitat quality at 36.3% [35.3%]. Additionally, this ecoregion had the least number of stream miles rated as poor for overall habitat quality at only 3.9% [4.2%]. There was almost no change in habitat quality in this ecoregion between cycle 2 and cycle 3.

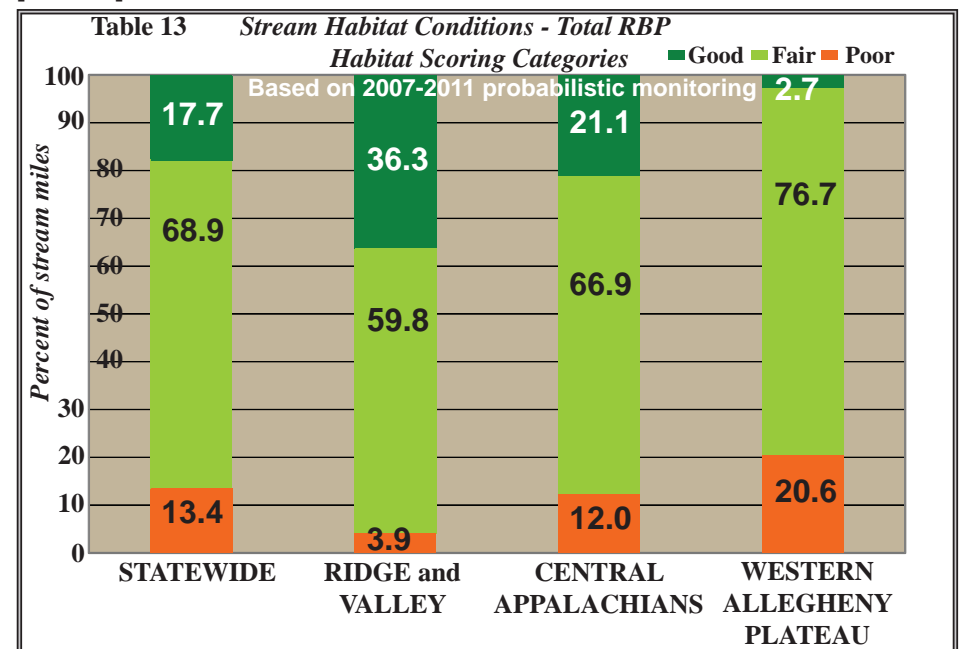
The Central Appalachians Ecoregions ranked second in the state for the proportion of stream miles rated as good for overall habitat quality with a value of 21.1% [31.4%]. Although not significant based on confidence intervals, there was a notable decrease between cycle 2 and 3 in the proportion of stream miles with good habitat. A corresponding change was evident in the proportion of stream miles rated as poor with the percent increasing from 4.5% in cycle 2 to 12.0% in cycle 3. Confidence intervals for the two cycles indicated a significant increase in the percent of stream miles having poor habitat quality within this ecoregion.

In comparison to the other ecoregions, habitat quality scores are lower in the Western Allegheny Plateau. The presence of more widespread development and factors such as higher rates of soil erosion in this ecoregion are potential causes for only 2.7% [3.0%] of its stream miles being rated as good in overall habitat quality. Additionally, the proportion of stream miles with poor habitat quality 20.6% [20.9%] is substantially higher in this ecoregion. There was almost no change in habitat quality in this ecoregion between cycle 2 and cycle 3.

It is important to consider that approximately 82.3% [78.5%] of stream miles in the state are in the fair or poor habitat categories. This indicates that most of the state's stream miles have at least

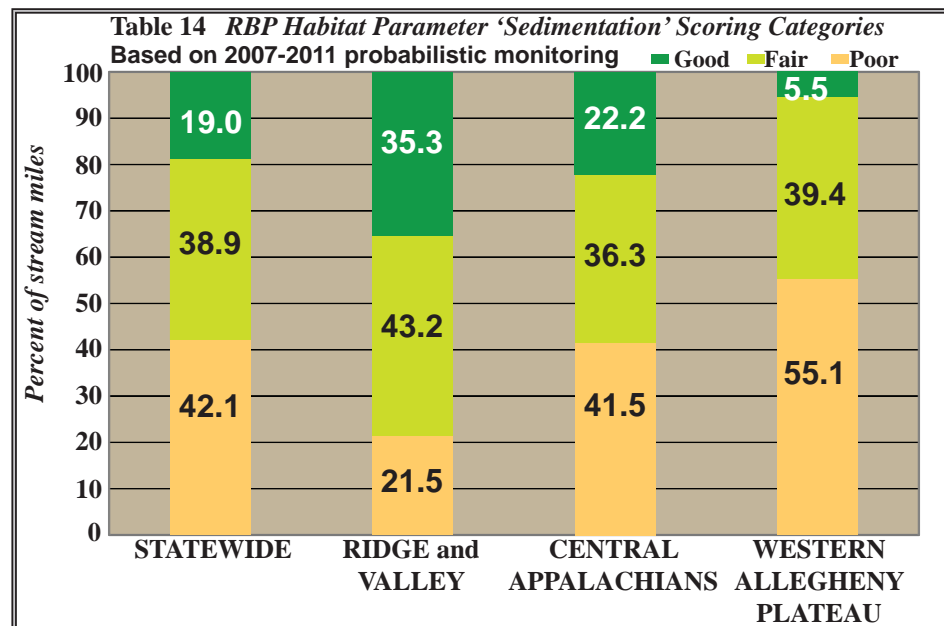
some degree of habitat degradation.

Although DEP may gain insight into overall habitat conditions by combining the individual measures, it is useful to examine specific habitat characteristics. Sedimentation is one of the most important problems facing West Virginia streams. Significant sources of increased sedimentation include agricultural activities, mining, logging, oil and gas, roads, urban and suburban development, and removal of stream bank and riparian vegetation. The effects of sediment deposition on stream biota are well known and include interference with respiration and the smothering of physical habitat and the eggs of aquatic life. The categories used to rate the individual habitat characteristics are labeled as good, fair, and poor (as with the Total RBP Habitat above). Sedimentation results for the state as a whole indicate that 42.1% [40.6%] of stream miles are in poor condition, 38.9% [41.8%] of stream miles are fair, and 19% [17.5%] of stream miles are in good condition (Table 13). As with the overall habitat scores, the widespread impacts of sedimentation in West Virginia are apparent in that over 81% [82.4%] of the wadeable streams miles in the state score below



the good category. Confidence intervals for the statewide analysis do not indicate a significant change in sedimentation rates between cycle 2 and 3.

The Ridge and Valley Ecoregion is better than both the Central Appalachian and the Western Allegheny Plateau Ecoregions with respect to sedimentation. In the Ridge and Valley ecoregion, 35.3% [35.8%] of stream miles are in good condition and 21.5% [18.1%] are in poor condition. Results for the Central Appalachians indicated higher sedimentation rates than for the Ridge and Valley Ecoregion, but lower than the Western Allegheny Plateau, with 22.2% [20.0%] of stream miles in good condition and 41.5% [41.3%] of stream miles in poor condition. The Western Allegheny Plateau continued to show substantial problems in habitat quality. In contrast to the Ridge and Valley, 5.5% [5.4%] of stream miles in this ecoregion are in good condition and 55.1% [51.3%] of stream miles are in poor condition in terms of sedimentation. The presence of more widespread development and higher rates of soil erosion in this ecoregion are potential causes of the observed increase in sedimentation



and resultant decrease in habitat quality. Confidence intervals for the ecoregional analysis do not indicate a significant change in sedimentation rates between cycle 2 and 3.

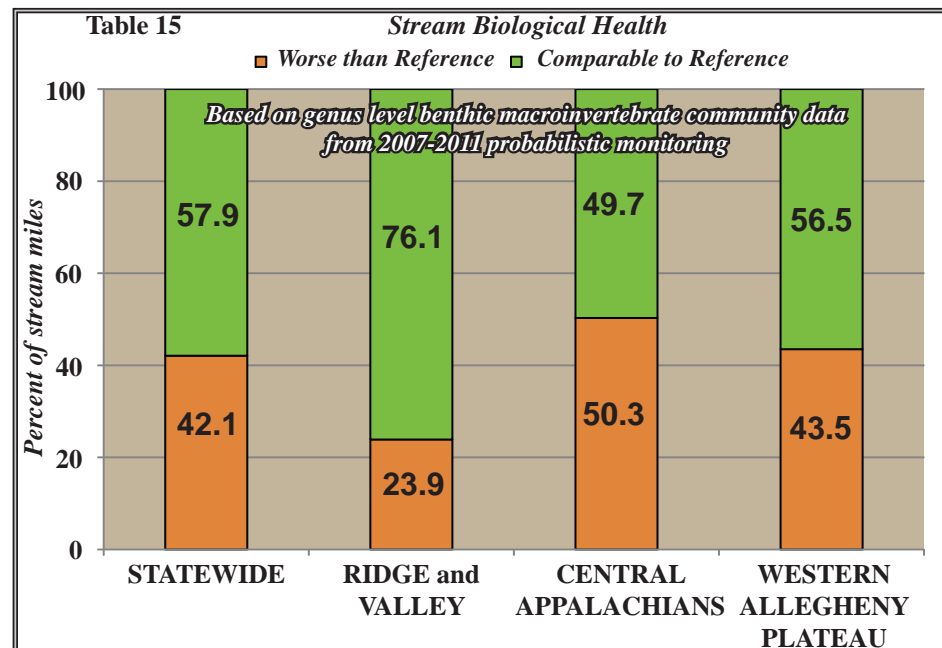
Biological integrity

The biological communities living in West Virginia streams are exposed to many stressors, including toxic contaminants, sedimentation, nutrient enrichment, and acid precipitation. The DEP uses benthic macroinvertebrates to assess the biological condition of streams in the state. These organisms provide reliable information on water and habitat quality in streams and have been used as indicators all over the world for nearly 100 years. They are extremely diverse and exhibit a wide range of tolerances to pollutants. Further, they serve as an excellent tool for measuring overall ecological health, especially when summarized into a single index of biological integrity. In West Virginia prior to 2012, the health of benthic macroinvertebrate communities had been rated using a statewide family level multimetric index developed for use in wadeable riffle/run streams, the West Virginia Stream Condition Index (WVSCI). Beginning in 1998, DEP started identifying benthic macroinvertebrates to genus level with the intention of eventually developing a new biotic index. Development of a genus level index is now complete. The new tool, known as GLIMPSS (Genus Level Index of Most Probable Stream Status), which is stratified by season and ecoregion, has now been peer reviewed and published and is ready for use in this summary report. However, the new index is not yet ready for use in determining attainment of a stream's Aquatic Life Use (AQL). Because of actions taken during WV's 2012 legislative session, the DEP has been left without a usable tool for determining AQL use attainment for this reporting cycle. Work is ongoing to develop and evaluate options for assessing stream health more "holistically", specifically considering the use of fish community information along with benthic macroinvertebrate index scores as part of the assessment methodology.

GLIMPSS, similar to WVSCI and other indices of biotic integrity,

summarizes scores of various metrics into a single index value. The metrics were selected to maximize discrimination between streams with known stressors and reference streams. Reference streams have little or no human disturbances. All identified reference streams were combined and a subsequent reference condition was established based on their benthic macroinvertebrate communities.

Based on the probabilistic data utilized in this summary and a comparison to low-end reference condition (5th percentile of all appropriate (season and ecoregion) reference sample GLIMPSS scores), 57.9% of wadeable stream miles are comparable to reference condition statewide with the remaining 42.1% scoring less than this threshold. Breaking this down by ecoregion, the Ridge and Valley ecoregion has the highest percentage of streams with healthy aquatic ecosystems, with 76.1% scoring above the 5th percentile threshold. The Western Allegheny Plateau ecoregion is estimated to have 56.5% of stream miles comparable to reference which is a greater percentage than estimated in the past (42.5%) when based on WVSCI. The percent of stream



miles in the Central Appalachians that score above the GLIMPSS threshold is estimated to be 49.7% which is somewhat lower than previous estimates (65.3%) that had been derived based on WVSCI.

Major Basin Summaries

Dunkard Creek

The DEP completed, and the EPA approved, Total Maximum Daily Loads for iron, fecal coliform, chloride and biological impairment related to sediment in September 30, 2009. The fish kills that occurred in the fall of 2009 were a new development caused by toxins associated with a golden algae (*Prymnesium parvum*) bloom.

Since 2009, DEP has continued monitoring in the Dunkard watershed. In addition to the ambient monitoring station located on Dunkard Creek, DEP has deployed water quality sondes at four in the watershed: one at the ambient site at Mason-Dixon Park; two on West Virginia Fork; and another on Miracle Run.

DEP collected water samples from several sites in Dunkard Creek and surrounding watersheds to analyze for the presence of golden algae in the months following the fish kill and again during the 2010 growing season. Additionally, a private consultants have collected weekly samples from many sites throughout the watershed and beyond for golden algae analysis by an independent lab since 2009. There have been no confirmed reports of golden algae in West Virginia since the bloom on Dunkard Creek ended in late 2009 or early 2010. Earlier reports of golden algae being present in other West Virginia streams, based on sensitive analytical methods, are now thought to have been 'false positives' with samples being contaminated at some point during the sample collection, filtering, or analytical process.

Guyandotte River

The Guyandotte River is divided into upper and lower sections. The confluence of Island Creek and the Guyandotte River defines the boundary between the Upper and Lower Guyandotte watersheds - The impairments of the Upper Guyandotte River mainstem (fecal coliform, total iron and biological impairment) and the Lower Guyandotte River mainstem (fecal coliform, total iron) are addressed by TMDLs developed by EPA Region III in 2004. In that effort, EPA also developed TMDLs for numerous Guyandotte River tributaries predominantly impaired by mine drainage. Currently, there are 44 streams within the Upper Guyandotte Basin and 52 streams in the Lower Guyandotte Basin which are listed as biologically impaired and in need of TMDLs. Upper Guyandotte also has four streams listed for fecal coliform impairment. Additionally, five streams in the Lower Guyandotte and 14 streams in Upper Guyandotte watershed are listed for selenium, and R. D. Bailey Lake is listed for PCBs based on fish tissue monitoring.

Kanawha River and major tributaries

(New, Bluestone, Greenbrier, Gauley, Elk and Coal rivers)
The Kanawha River is divided into two major sections with the break occurring at the mouth of the Elk River. The Upper Kanawha Basin extends upstream to the confluence of the New and Gauley Rivers in Gauley Bridge. The Lower Kanawha Basin begins at the mouth of the Elk River and extends downstream to its confluence with the Ohio River in Point Pleasant.

Previous EPA TMDL development efforts addressed dioxin impairments of the Lower Kanawha River and tributaries (September 2000) and metals impairments of the Elk River and tributaries (September 2001). The West Virginia Department of Environmental Protection finalized numerous TMDLs for impaired tributaries of the Upper Kanawha River in January 2005. Additionally, DEP developed TMDLs for the Coal River and numerous impaired tributaries that were approved by the EPA in September 2006. DEP also developed numerous TMDLs in the Gauley, New, Greenbrier and Bluestone watersheds in 2008.

DEP recently received EPA approval for TMDLs developed for all tributaries of the Lower Kanawha River and the mainstem Elk River and all tributaries from the outlet of Sutton Dam to its confluence with the Upper Kanawha River. Impairments addressed included dissolved aluminum, dissolved oxygen, fecal coliform bacteria, pH, total iron, total selenium and biological integrity. Selected tributaries of the Lower Kanawha and Elk Rivers slated for TMDL development efforts to be completed by 2014 will remain listed for biological impairment due to recent legislative changes. As previously noted in this report, Senate Bill 562 resulted in a change of schedule for the state's TMDL efforts for these waters until a new stream assessment methodology for biological impairment is developed and presented to the state legislature for their review.

Fecal coliform TMDLs have been developed for the major tributaries of the Kanawha River including the Elk, Coal, New and Greenbrier Rivers. The Bluestone River TMDL also addressed the biological impairment documented from river mile 44.9 to headwaters, however, the Bluestone River remains listed for its entire length based for PCBs. The Lower Kanawha mainstem remains listed as impaired for fecal coliform. In addition, the Kanawha River mainstem remains listed as impaired because of fish consumption advisories related to elevated fish tissue concentrations of Polychlorinated Biphenyls (PCBs).

Monongahela River and major tributaries (Tygart and West Fork rivers)

Between March 2001 and September 2002, the EPA developed TMDLs addressing the iron, aluminum, manganese and pH impairments of the Monongahela, Cheat, Tygart and West Fork Rivers and numerous tributary waters.

Fecal coliform impairments have been identified for the Monongahela River (entire length) and the Tygart Valley River (entire length). The West Fork River (mouth to Stonewall Jackson Lake Dam) is listed as impaired for both fecal coliform and

biological integrity and from RM 93 to RM 100.2 for fecal coliform bacteria. The previous listing for PCBs has been removed due to new data indicating no impairment. Both Cheat and Tygart Lakes have also been delisted for PCBs based on new fish tissue data.

In Spring 2009, the DEP announced plans to develop TMDLs on all impaired tributaries of the Monongahela River from its beginning at the confluence of the West Fork River and Tygart River to the West Virginia/Pennsylvania border. Water quality sampling and biological assessments were conducted on all tributaries with known or suspected impairments from July 2009 through June 2010. TMDL model development is currently underway for all impaired Monongahela tributaries. The DEP expects to submit the TMDLs to the EPA for approval by Spring 2013.

On July 27th, 2010, the DEP held a public meeting to provide an opportunity for public review and input for the proposed TMDL sampling plans for the West Fork Watershed. In the same month, DEP began a 12 month sampling project in support of TMDL development. Upon completion of sampling in June 2011, TMDL model development began with draft TMDLs expected to be submitted to EPA the first quarter of 2014.

Cheat River

The DEP and the EPA began a large-scale revision of the Cheat River watershed TMDLs that the EPA first developed in 2001. This effort resulted in finalized TMDLs approved by EPA in December 2010. The revision involved re-evaluation of the metals and pH impairments associated with the 2001 TMDLs, in light of the aluminum and manganese water quality standard revisions that have occurred. In addition to the re-evaluation component, the new effort developed TMDLs for streams in the watershed where fecal coliform bacteria and/or biological impairments have been identified. Both DEP and DNR have established water quality improvement projects throughout the watershed designed to improve water quality. DEP efforts included installation of

several AMD restoration projects within the watershed and West Virginia Division of Natural Resources' limestone drum station on the Blackwater River and its application of limestone fines to headwater streams impacted by acid rain. These efforts have restored many miles of trout water and pH data at the head of Cheat Lake has consistently indicated significant improvement with no violations of pH for the last six years.

Little Kanawha River

The segment of the river from Burnsville Dam (river mile 132.6) downstream to the mouth is impaired by fecal coliform. Previously, the EPA developed iron and aluminum TMDLs for the mainstem and several tributaries. The previously developed total aluminum TMDLs are now obsolete due to the criteria revisions that occurred in 2006.

In addition, the DEP has received approval from the EPA June 2008 for TMDLs on four additional tributaries (Copen Run, Duck Creek, Duskcamp Run and Lynch Run) for various impairments including: total iron, total manganese, pH and biological impairments.

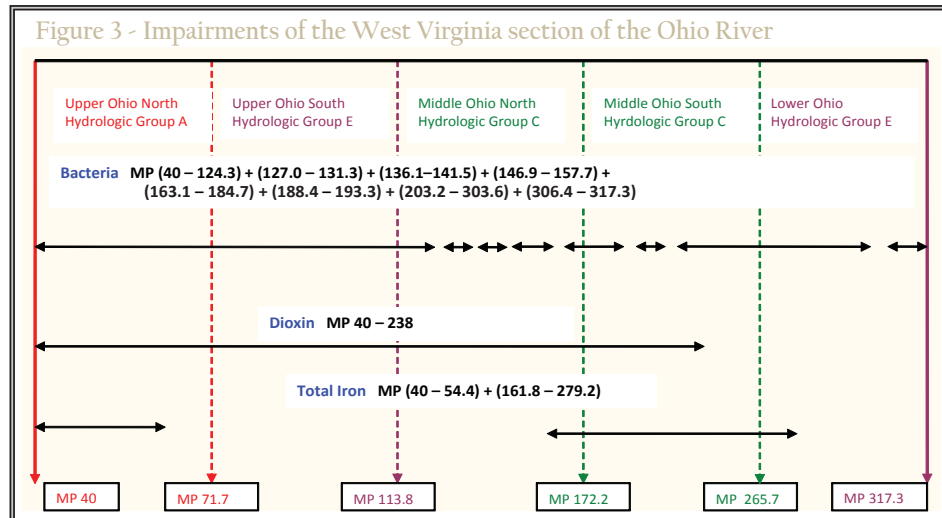
Ohio River

In 2000 and 2002, EPA developed TMDLs for dioxin and PCBs, respectively for the Ohio River mainstem. The EPA TMDLs for dioxin included only sections of the Ohio River from the mouth of the Kanawha River downstream to the Kentucky state line. Additional sections of the river above the Kanawha River remain listed as impaired by dioxin. Currently, TMDLs have been or are being developed to address various impairments on many of the tributary streams.

The Ohio River Valley Water Sanitation Commission does extensive water quality monitoring of the Ohio River bimonthly. In addition, every two years, ORSANCO publishes a 305(b) report that provides assessments of the water quality based on ORSANCO water quality standards. As in the past, the DEP has

reviewed the data and incorporated these assessments into the West Virginia Section 303(d) List.

When both West Virginia and ORSANCO have an established criterion for a particular pollutant the most stringent standard is applied for assessment purposes and included in West Virginia's Section 303(d) List. For example, the bacteria impairment identified for various Ohio River segments is based upon both ORSANCO's E. coli. water quality criteria and West Virginia's fecal coliform criteria. In addition, segments of the river continue to be identified as iron-impaired based upon the application of West Virginia's warmwater aquatic life criterion of 1.5 mg/l. Figure 3 depicts the impairments and segment lengths for the Ohio River bordering West Virginia.



Tug Fork River

In 2002, the EPA developed TMDLs for total iron and total aluminum for the Tug Fork River mainstem. Total iron, total aluminum, total manganese and pH TMDLs were also developed for impaired tributaries. As noted earlier, subsequent revisions to the aluminum and manganese criteria have created uncertainty relative to the impairment status of affected waters and, as such, the validity of many of the total aluminum and manganese TMDLs. Currently, the Tug Fork mainstem is identified on the 2012 West

Virginia Section 303(d) List for violations of the fecal coliform criteria and biological impairment. The fecal coliform impairment extends the entire length of the river and the biological impairment reaches from river mile 27.5 to the headwaters. Many tributaries of the Tug Fork are listed for various types of impairments including fecal coliform, biological integrity and selenium.

Interstate Water Coordination

PCB monitoring and TMDL development with Virginia

DEP has been working with the Virginia Department of Environmental Quality (VADEQ) to assess Polychlorinated Biphenyls (PCBs) impairment along the Virginia section of the Bluestone River. The product of this cooperative effort will be a TMDL for the Bluestone River and tributaries with loadings and allocated reductions for sources in both Virginia and West Virginia. West Virginia DEP, Virginia DEQ and EPA Region III have been cooperating in an effort to locate and reduce sources of PCBs to the Bluestone River. As part of this effort, remediation of the now defunct Lyn Electric Site in Bluefield, W.Va. has been completed. Efforts included leveling and removal of the electric motor remanufacturing buildings on the site. Also, contaminated water and debris were removed from the site and clean material used to backfill the open basement areas of the property. Within the watershed additional monitoring and source evaluation is on-going to determine what steps, if any, need to be taken in the future.

Ohio River Valley Water Sanitation Commission – ORSANCO

As with previous reports, the DEP's 2012 Integrated Report includes assessments based on data provided by ORSANCO. Throughout the development of ORSANCO's 2012 Biennial Assessment, the DEP has been involved with ORSANCO's efforts to standardize assessments among the compact states. The DEP's personnel continue to participate in several standing committees, along with representatives from other compact

states, charged with helping direct ORSANCO's water quality and biological monitoring efforts.

Chesapeake Bay

The Chesapeake Bay is impaired by nutrients and sediment from multiple sources originating locally and in upstream states. This biologically diverse waterbody is an important economic and recreational resource.

The need to restore this waterbody is a high priority for many agencies, organizations and the public in general. Fourteen percent of West Virginia's waters drain into the Potomac River and on into the Bay. In addition, portions of the James River Watershed in West Virginia contribute flow to the Bay. In June 2002, Governor Bob Wise signed the Chesapeake Bay Program Water Quality Initiative Memorandum of Understanding, committing West Virginia to nutrient and sediment load reductions. In November 2005, West Virginia proposed pollutant reduction plans in the West Virginia Potomac Tributary Strategy. In December 2010, EPA finalized TMDLs for the Chesapeake Bay and other impaired tidal waters in Virginia and Maryland. In response to the TMDLs, West Virginia and the other Bay jurisdictions developed Watershed Implementation Plans (WIPs). The West Virginia WIP identifies actions and controls that the State will pursue to implement the TMDLs, and West Virginia will accomplish its TMDL responsibilities if the WIP is successfully executed. Many DEP programs are actively participating in this effort. The West Virginia WIP and supporting documents may be viewed at: <http://www.wvca.us/bay/documents.cfm>

Interstate Commission on Potomac River Basin

The Commission is a non-regulatory agency of basin states (Maryland, Pennsylvania, Virginia and West Virginia), Washington, D.C. and the federal government. The Commission promotes watershed-wide solutions to the pollution and water resources challenges facing the basin and its more than 5.3 million residents. Examples of current commission efforts include the Chesapeake

Bay Program involvement, stream biological assessments, support of selected stream gages, the Potomac Groundwater Assessment, Potomac Basin Drinking Water Source Protection Partnership coordination and Potomac Watershed Toxic Spill Model support. In addition, the Commission's public outreach program supports and helps coordinate an annual watershed-wide clean-up effort and produces and distributes 150,000 copies of the newsletter Potomac Basin Reporter. The commissioners are appointed by their respective jurisdictions and provide policy guidance and oversight for a skilled staff of scientists and educators.

Ohio River Basin Water Resources Association

The Ohio River Basin Water Resources Association was dissolved in 2010. A former Association member now resides on ORSANCO's Water Resources Committee in a continuing effort to represent the issues of concern to the Association.

Total Maximum Daily Load (TMDL) Development Process

From 1997 until 2003, EPA Region III developed West Virginia TMDLs under the settlement of a 1995 lawsuit, Ohio Valley Environmental Coalition, Inc., West Virginia Highlands Conservancy, et. al. v. Browner, et. al. The lawsuit resulted in a consent decree between the plaintiffs and the EPA that specifies TMDL development requirements and compliance dates. While the EPA was working on developing TMDLs, the DEP concentrated on building its own TMDL program. With the help of the TMDL stakeholder committee, the agency secured funding from the state legislature and created the TMDL section within the Division of Water and Waste Management.

The TMDL section is committed to implementing a TMDL process that reflects the requirements of TMDL regulations, provides for the achievement of water quality standards, and ensures that ample stakeholder participation is achieved in the

development and implementation of TMDLs. The DWWM's approach to TMDL development allows 48 months to develop a TMDL from start to finish. This approach enables the agency to carry out an extensive data generation and gathering effort to produce scientifically defensible TMDLs, and allows ample time for modeling, report drafting and frequent public participation opportunities.

The DEP's TMDLs are developed according to the Watershed Management Framework cycle. The framework divides the state into 32 major watersheds and operates on a five year, five-step process. The watersheds are divided into five hydrologic groups (A - E). Each group of watersheds is assessed once every five years. A map depicting the 32 watersheds and hydrologic groupings is provided as an attachment to this document before the List Key. The TMDL process begins in the first year of the cycle with pre-TMDL sampling and public meetings in the affected watersheds. The data is compiled and TMDL development begins in year two of the cycle. In the third year, TMDL development

continues and the TMDL is drafted. The TMDL is finalized in the fourth year. In the fifth year of the cycle, TMDL implementation is initiated through the NPDES permitting process and efforts toward limiting nonpoint source loading. Throughout the TMDL development process, there are numerous opportunities for public participation and input.

Since its inception, the DEP's TMDL section pursued timely development of TMDLs for the waters and impairments identified in the consent decree between the EPA and the Ohio Valley Environmental Coalition, et. al. The TMDLs developed and approved in the Dunkard Creek, Upper Ohio River South, Youghiogheny, and the Camp Creek portion of the Twelvepole Creek watersheds in 2009 fulfilled the last of EPA's commitments under the consent decree.

The 303(d) list identifies and prioritizes the waters and impairments for which future TMDLs will be developed by specifying the year in the "Projected TMDL Year" column. The impaired waters intended for TMDL development in 2012, 2013 and 2014 are known and identified. For other waters and impairments, where the timing of TMDL development is less certain, the "Projected TMDL Year" is identified as the latest year where an opportunity exists per the DEP's plans to develop TMDLs in concert with the Watershed Management Framework.

At any point in time, the DEP personnel are working on TMDLs in each of the five hydrologic groups (A-E). Each set of TMDLs moves through several stages of development prior to finalization and the EPA's approval. Table 16 shows the state's TMDL development progress.

The DEP's Web site contains all approved TMDL documents and the draft TMDL documents currently out for public comment. These documents can be found at <http://www.dep.wv.gov/WWE/watershed/TMDL/Pages/default.aspx>.

Table 16 - West Virginia TMDL development progress

Hydrologic Group	Watersheds	Progress
A3	South Branch of Potomac Upper Kanawha Upper Ohio North	Pre-TMDL sampling completed in June 2012.
B2	Elk Lower Kanawha North Branch of the Potomac	U.S. EPA approved in 2012
B3	Tygart Valley	Pre-TMDL monitoring in progress from July 2012 thru June 2013.
C2	Middle Ohio North Middle Ohio South	Submitted for U.S. EPA approval in 2012.
D2	Monongahela	TMDL modeling and development ongoing.
E2	West Fork	TMDL modeling and development ongoing.

Water Pollution Control Programs

Division of Water and Waste Management

The Division of Water and Waste Management's mission is to preserve, protect, and enhance West Virginia's watersheds for the benefit and safety of all its citizens through implementation of programs controlling hazardous waste, solid waste and surface and groundwater pollution, from any source.

The DWWM strives to meet its mission through implementation of programs controlling surface and groundwater pollution caused by industrial and municipal discharges as well as oversight of construction, operation and closure of hazardous and solid waste and underground storage tank sites. In addition, the division works to protect, restore and enhance the state's watersheds through comprehensive watershed assessments, groundwater monitoring, wetlands preservation, inspection and enforcement of hazardous and solid waste disposal and proper operation of underground storage tanks.

Environmental Enforcement (EE) is a branch of the Division of Water and Waste Management charged with assuring compliance with many of the state pollution control regulations. EE promotes compliance with the Solid Waste Management Act, Water Pollution Control Act, Groundwater Protection Act, Hazardous Waste Management Act, Underground Storage Tank Act, and Dam Safety Act by providing assistance, inspecting regulated sites, and enforcing conditions required by these acts.

National Pollution Discharge Elimination System (NPDES) Program

The DWWM's primary mechanism for controlling point sources is the West Virginia NPDES permitting program. This program, administered by the Permitting Branch, regulates activities and facilities involved in the installation, construction, modification, and operation and maintenance of wastewater treatment systems


as well as their discharges. Individual and general permits are used to implement the program. Most permits include effluent limits and requirements for facility operation and maintenance, discharge monitoring and reporting. Other permits require the installation and implementation of best management practices in lieu of effluent limitations and discharge monitoring requirements. The Permitting Branch also administers a pretreatment program in conjunction with the NPDES program, which outlines procedures for regulating proposed industrial wastewater connections to publicly owned treatment works. The program imposes discharge limitations for indirect discharges and requires the installation of pretreatment facilities where necessary to prevent interference with POTW operations and sludge disposal practices and to ensure that the pollutants contributed by industrial users do not pass through the POTW and violate water quality standards. The National Combined Sewer Overflow (CSO) Policy is implemented as a component of the NPDES Permits for POTWs with CSOs. The DEP is also working with several state and federal agricultural agencies to develop a Concentrated Animal Feeding Operation (CAFO) permitting program. Activities administered by the Permitting Branch include the regulation of industrial solid waste landfills and the land application of sewage sludge, and developing wasteload allocations for new or expanding sewage treatment facilities. Below is a list of permit actions for the time period beginning in July 2009 and ending in June 2011. (Need to add new graphic from Permits)

In addition to permitting, compliance assessment and enforcement activities are coordinated between the Permitting Branch and Environmental Enforcement. Noncompliance is initially addressed by administrative actions to compel compliance. These may include warning letters, notices to comply, enforcement orders, or referrals for civil action.

Nonpoint Source Control Program

The Nonpoint Source Control Program focuses on restoration and protection of streams from nonpoint source pollution. The

West Virginia Department of Environmental Protection - Division of Water and Waste Management - Report Date 11/14/2012

	- PERMIT ACTION REPORT (7/1/2009 - 6/30/2011)											
	Applications Recieved This Period	Applications Denied this Period	Permits Registrations and Modifications Issued This Period	Permits Registrations and Modifications Issued Year-to-Date for Current Fiscal 2013	Withdrawn and Voided This Period	Applications Pending as of 6/30/2011					Average DEP Time To Issue Permits This Period (In Days)	Average Total Time to Issue Permits This Period (In Days)
						Greater Than 180 DEP days	Less Than 180 > 90 DEP days	Less Than Equal to 90 DEP days	Total (DEP days)	Greater Than 180 total days		
INDIVIDUAL PERMITS	203	0	194	46	10	12	12	29	53	20	155	169
GENERAL PERMITS												
Home Aeration Units	2697	4	2566	89	13	25	29	144	198	145	89	99
Sewage General	758	0	332	22	9	204	78	148	430	272	131	140
Storm Water Construction	1105	0	1062	219	47	1	1	64	66	3	32	38
All Others	915	2	1244	178	30	6	2	79	87	52	75	95
MODIFICATION PERMITS	583	2	460	94	43	39	18	101	158	59	74	85
TRANSFER PERMITS	158	0	120	51	23	4	5	35	44	14	55	60
TOTAL - PERMITS	6419	8	5978	699	175	291	145	600	1036	565		
NOTE: The permits used to calculate for the “Average DEP Time” column are those that were submitted after June 30, 1999, when IRIS was deployed by the Division of Water and Waste Management												

program assesses nonpoint source impacts, then develops and implements watershed based plans and projects designed to reduce pollutant loads from agricultural, silviculture, resource extraction, urban runoff, construction activities, and failing septic systems. Program initiatives are based upon education, technical assistance, financial incentives, demonstration projects, and enforcement, as necessary. The division’s Nonpoint Source Program supports overall administration and coordination of the nonpoint source activities through these participating state agencies: the West Virginia Conservation Agency, the Office of Oil and Gas, and the Division of Health and Human Resources. Each year, specific activities are funded under the Nonpoint Source Program.

Many of the streams being listed on the state’s list of impaired waters are affected by nonpoint sources. The majority of the Total Maximum Daily Loads being developed involve nonpoint source water quality impacts. To more effectively respond to TMDL implementation needs, the Nonpoint Source Management Plan was updated in 2000 to incorporate watershed management principles, including integration of TMDL and Watershed Management Framework scheduling. Since then, the Nonpoint Source Program has developed 27 watershed based plans that address a variety of nonpoint sources of pollution. These plans are developed in cooperation with the stakeholders, including federal, state and local government agencies, within the watershed. As a result of these plans, numerous nonpoint source remediation projects for acid mine drainage, agriculture,

streambank erosion, and dirt roads have been undertaken. The goal of the watershed based plans is to restore the impaired streams to meet water quality standards. The successes to date emphasize the need to focus more resources on voluntary installation of best management practices in identified priority watersheds where local stakeholders are interested in making a difference.

Groundwater Program

Under the Groundwater Protection Act, West Virginia Code Chapter 22, Article 12, Section 6.a.3, DEP's Groundwater Program is responsible for compiling and editing information for a biennial report to the Legislature on the status of the state's groundwater and groundwater management program. The DEP, the West Virginia Department of Agriculture and the West Virginia Department of Health and Human Resources all have groundwater regulatory responsibility and contribute to the report. These state boards and six standing committees currently share the responsibility of developing and implementing rules, policies and procedures for the Ground Water Protection Act (1991). The Environmental Quality Board, the Groundwater Coordinating Committee, the Groundwater Protection Act Committee, the Groundwater Monitoring Well Drillers Advisory Board, the Well Head Protection Committee, and the Nonpoint Source Coordinating Committee are the standing committees. The report provides a concise, thorough overview of those programs that are charged with the responsibility of protecting and ensuring the continued viability of groundwater resources in West Virginia. The current biennial report to the Legislature covers the period from July 1, 2009 through June 30, 2011. Copies of the report "Groundwater Programs and Activities: Biennial Report to the West Virginia 2012 Legislature" may be obtained by contacting the Groundwater Program at the Division of Water and Waste Management, 601 57th St., Charleston, WV 25304 or by calling (304) 926-0495. The report also may be reviewed at http://www.dep.wv.gov/WWE/Programs/gw/Documents/2012_Biennial_Report.pdf.

The Ambient Groundwater Quality Monitoring Network was established by the DWWM in cooperation with the USGS in 1992 and is an ongoing project. The network provides critical data needed for proper management of West Virginia's groundwater resources. The major objective of this USGS study is to assess the ambient groundwater quality of major systems (geologic units) within West Virginia and to characterize the individual systems. Characterization of the quality of water from the major systems helps to:

- ↳ Determine which water quality constituents are problems within the state
- ↳ Determine which systems have potential water quality problems
- ↳ Assess the severity of water quality problems in respective systems
- ↳ Prioritize these concerns

Only by documenting present ambient groundwater quality of the state's major systems can regulatory agencies assess whether water quality degradation has occurred in certain areas and whether potential degradation is a result of natural processes or those associated with human activity. Spatial variability in water quality is determined for specific geologic units based on sampling of approximately 30 wells annually. The sampling continues over a period of approximately six years and provides a database of more than 200 wells from which comprehensive water samples are collected. Wells are selected in specific drainage basins in given years, rotating annually to new basins, thus providing sampling of groundwater in all watersheds of the state over the five year period. Then, the cycle of sampling begins again. All associated groundwater quality data for each well sampled and summaries of groundwater quality for each respective watershed are published in the USGS Water Resources Data for West Virginia annual report.

Division of Mining and Reclamation

The mission of the Division of Mining and Reclamation (DMR)

is to regulate the mining industry in accordance with federal and state law. Activities include issuing both National Pollutant Discharge Elimination System and Surface Mining Control and Reclamation Act permits for mineral extraction sites and related facilities, inspecting facilities for compliance, monitoring water quality, tracking ownership and control, and issuing and assessing violations. The DMR is responsible for the computer databases that track their regulatory activities - Environmental Resources Information System (ERIS) and Applicant Violator System (AVS, the federal OSM database). The Permitting Unit is responsible for reviewing permit applications for surface and underground coal mines, preparation plants, coal loading facilities, haulage ways, and coal-related dams. This unit also reviews permit applications for non-coal quarry operations (sand, gravel, limestone, etc). Permit review teams staffed with geologists, hydrologists, engineers and others are located in each regional office throughout the state and in the headquarters office. The DMR's Inspection and Enforcement unit is responsible for inspecting all coal mining and quarry operations in the state. It enforces compliance through regular inspections and Notices of Violation, and ensures site reclamation through final release of the operation. This unit is also responsible for civil penalty assessments, show cause proceedings, bond forfeiture and collection. The DMR's Program Development unit is responsible for implementing a proactive approach to policy issues, legislation and training. This unit is designed to keep the Division staff current with technological advances and to provide clear direction through development of cogent policy and guidance to meet legal and regulatory requirements. This unit provides regulatory interpretation and support to field offices, develops and updates handbooks and forms, drafts legislation and initiates regulation changes. Other responsibilities of this unit include Small Operators Assistance Program, public relations, including responses to Freedom of Information Act requests, special projects, employee training and research of laws, regulations and policy.

Cost Benefit Analysis

A true cost/benefit analysis on the economic and social costs and benefits of water pollution control is a difficult and time consuming task. Particularly, the evaluation of industrial facilities would be a monumental task considering the various types of industry (mining, chemical, power generation, etc), each having a very different process of pollution control. However, the information contained in the following paragraphs provides an idea of the amount of money currently expended to construct and upgrade both the municipal facilities within the state as well as programs available to homeowners wanting to correct failing onsite sewage systems.

Funding for Water Quality Improvements

The DEP is responsible for administering a combination of state and federal funds expended for projects to improve water quality in state streams. The following narrative provides an overview of the programs within the DEP's Division of Water and Waste Management that provide funding for water quality improvements and a summary of the funds dispersed between July 2009 and June 2011 to improve water quality.

Clean Water State Revolving Fund Program

Clean Water State Revolving Fund (CWSRF) program is a funding program administered by the State Revolving Fund Branch to address water quality problems through wastewater facility construction, upgrades, or expansions. The branch is charged with general oversight, fiscal management and technical and administrative compliance review of local governmental entities that receive funds and provides information and guidance on what administrative actions are needed to process a loan through the program. When a community has been recommended by the West Virginia Infrastructure and Jobs Development Council to seek CWSRF program funding for financial assistance, the community is contacted by a financial manager and project

engineer. A meeting may be scheduled to advise the community leaders about the overall program requirements and specifically what they should do next to obtain a CWSRF loan. There are federal, state, and program requirements that must be met prior to scheduling a loan closing. The CWSRF currently has three financial assistance programs available. These programs are described below.

Low Interest Loan Program

A low interest loan program for construction of municipal wastewater treatment works is available for municipalities and public service districts to build, upgrade, or expand treatment facilities and collection systems. Conventional loans with a repayment period of 20 years are available with an interest rate and annual administrative fee not exceeding 3% for certain communities. Loans with repayment periods from 21 to 40 years are available for disadvantaged communities where financial affordability is an issue. The interest rate and annual administration fee on these loans do not exceed 1/2%. From July 2009 through June 2011, 50 wastewater treatment facility loans totaling \$155,563,307 were funded.

Agriculture Water Quality Loan Program

The Agriculture Water Quality Loan Program is a partnership with the West Virginia Conservation Agency developed to address pollution from nonpoint sources using Best Management Practices approved by the U.S. Environmental Protection Agency. CWSRF money is loaned to participating banks so they can offer below market rate low interest loans to qualifying applicants. For more information, contact your local Conservation District office, <http://www.wvca.us/directory/cdo.cfm>. From July 2009 through June 2011, nine nonpoint source agriculture BMP loans totaling \$353,145 were funded.

Onsite Systems Loan Program

In cooperation with the West Virginia Housing Development Fund, a low interest loan program has been established to address

onsite sewage disposal problems. Called the "Onsite Systems Loan Program," loans up to \$10,000 are available to replace malfunctioning septic systems and to install new onsite sewage systems for homes that have direct sewage discharges to ditches and streams. Centralized treatment for these homes will not be available in the next five years. For the current reporting period of June 2009 through June 2011, a total of \$350,000 was provided for onsite systems.

In conclusion, although funding for maintenance and improvement of water quality is often a controversial issue, the DEP recognizes that millions of dollars are expended annually by businesses, municipalities, private and public entities (including state and federal agencies) to improve and maintain water quality in West Virginia. These expenditures address pollutants from various media including solid and hazardous waste, air and water.

Public Participation and Responsiveness Summary

The draft Section 303(d) List was advertised for public comment from May 11, 2012 through June 26, 2012. This period included a 15-day extension granted by the agency after requests for additional time to fully develop comment submissions were received from multiple entities. Legal notices of the availability of the draft document were placed in newspapers statewide, including requests for public comment. The draft document was promoted via news release, e-mail and the Internet. At the conclusion of the public comment period, the DEP considered all

Table 17 - 2012 Section 303(d) List Commenters		
Argus Energy WV, LLC	Patriot Coal	Appalachian Mountain Advocates
CONSOL Energy	Duke University	Baylor University
American Electric Power	West Virginia Coal Association	West Virginia Department of Agriculture
West Virginia Municipal Water Quality Association	Patriot Coal	

comments and made adjustments to the list where appropriate.

Table 17 identifies all entities that provided comments. All relevant comments have been compiled and responded to in this responsiveness summary. The DEP appreciates the efforts commenters have put forth to improve West Virginia's listing and TMDL development processes. Comments and comment summaries are bold and italicized. Agency responses appear in plain text.

Numerous and opposing comments were received in response to the agency's approach to listing biological impairments pursuant to the narrative water quality criterion at 47 CSR 2-3.2.i. as directed by Senate Bill 562, which passed the West Virginia Legislature in March 2012.

Multiple commenters endorse not adding new biological impairments and also request delisting of all biological impairments that were based upon the West Virginia Stream Condition Index (WVSCI). Arguments include:

- The legislative intent expressed in S.B 562 makes clear that DEP cannot base biological impairment solely on WVSCI.***
- Previous biological impairment listings were based upon an illegitimate assessment tool.***
- Comments provided in response to the 2010 West Virginia Section 303(d) List regarding the use of WVSCI were reiterated.***
- Various stream-specific comments addressing biological impairments were received. Some endorsed delistings proposed in the draft 303(d) list and others requested delisting based upon new biological monitoring and application of the WVSCI methodology***

Another commenter contends that DEP's interpretation and implementation of Senate Bill 562 is incorrect and that DEP must continue to use the same or an equally protective

approach to list biologically impaired streams that it used prior to the passage of S.B. 562. Arguments include:

- S.B. 562 constitutes a change to West Virginia's water quality standards, and new or revised water quality standards cannot be implemented until approved by the EPA.***
- S.B. 562 did not accomplish the Clean Water Act requirements for public participation, certification, and submission to EPA that are necessary to secure approval of a water quality standard revision.***
- S.B. 562 includes language that mandates new rules not reduce existing protections and does not allow the use of measurements that would establish less protective standards or requirements.***

Multiple commenters stated that the DEP should not only add new biological impairment listings, but also include more waters than those that would be impaired using WVSCI protocols.

- Two commenters object to the use of the "gray zone" methodology and state DEP should list all waters with WVSCI scores less than 68. They argue that downgrading the impairment threshold based on precision estimates is inappropriate and that the use of a "gray zone" is inconsistent with the precautionary principle that should be applied when dealing with protective water quality standards.***
- One commenter stated that biological impairment assessments should be based upon genus level benthic macroinvertebrate analysis under the Genus Level Index of Most Probable Stream Status (GLIMPSS) index because EPA approval of the West Virginia 2010 Section 303(d) List was conditioned upon genus level analysis in 2012.***

The DEP interprets SB 562 as a mandate to secure prior Legislative approval of the assessment methodology under which DEP will make impairment decisions pursuant to the narrative criterion at 47 CSR 2-3.2.i. For that reason, new "biological impairment" listings are not included on the 2012 303(d) list.

Prior 303(d) listings will not be vacated in the interim, because they were made using a methodology that was valid at the time those impairments were determined. The DEP has eliminated the few biological impairment delistings proposed in the draft list. Biological impairments from the 2010 303(d) list are retained, except those for which an approved TMDL has been developed and those for which the original sampling effort has been deemed noncomparable. Other listings will remain until biological conditions can be assessed using a methodology approved by the West Virginia Legislature. The DEP is currently in the process of developing such a methodology.

The provisions of SB562 do not constitute a revision to West Virginia's water quality standards ("WQS") and, therefore, are not subject to review by the federal Environmental Protection Agency ("EPA"). As an initial matter, the statute as amended merely gives DEP the authority to propose legislative rules and does nothing to change West Virginia's EPA-approved WQS, which are set forth in West Virginia's Code of State Rules at 47 C.S.R. 2. The statute as amended specifically states, "The secretary shall propose rules measuring compliance with the biologic component of West Virginia's narrative water quality standards. . . . The secretary shall propose rules for legislative approval in accordance with the provisions of [W. Va. Code § 29A-3-1, et seq.] that implement the provisions of this subsection." W. Va. Code § 22-11-7b(f) (SB562 2012). The remainder of the language in the statute does nothing to change West Virginia's WQS as they existed the day before the bill passed, it merely gives direction to DEP on the parameters for the rule it may propose at some future date.

Further, that language giving the DEP direction on the future rule is also not a revision to West Virginia's WQS subject to approval or disapproval by EPA. In support of this determination, DEP relies on EPA's own approach for determining what is or is not a revision to a WQS. Specifically, the DEP engaged in a two-part analysis, considering (1) whether the provision related

to an attainment decision; and, if so, (2) whether the provision defined, changed or established the magnitude, duration or frequency related to water quality criteria necessary to support a designated use. See, *Florida Clean Water Network, Inc. v. United States Environmental Protection Agency*, 2012 U.S. Dist. LEXIS 44539 (U.S.D.C. N.D. FL, 3/30/12). DEP found that the statute as amended does not affect attainment decisions made by it, because the language does not serve to define, change or establish the level of protection to be applied in those attainment decisions or affect existing standards implemented pursuant to the West Virginia Water Pollution Control Act, W. Va. Code § 22-11-7b. *Id.* Rather, the amended statute merely describes the sufficiency or reliability of information necessary for West Virginia to make an attainment decision; it does not change a level of protection and, thus, merely outlines methodologies, as contemplated by Section 303(d) of the federal Clean Water Act. *Id.* Instead, the language sets out the circumstances that must exist in order for West Virginia to make an attainment decision in the first instance and contains policy choices . . . but does not describe the condition of the water body assessed. *Id.*

Specifically, the statute as amended outlines these conditions that must exist in order for DEP to make an attainment decision:

(i) [the water body] must "support[] a balanced aquatic community that is diverse in species composition; (ii) contain[] appropriate trophic levels of fish, in streams that have flows sufficient to support fish populations; and (iii) the aquatic community is composed of benthic invertebrate assemblages sufficient to perform the biological functions necessary to support fish communities within the assessed reach, or, if the assessed reach has insufficient flows to support a fish community, in those downstream reaches where fish are present.

W. Va. Code § 22-11-7b(f) (SB562 2012). These conditions do not relate to the ambient condition in the water body, i.e. what level of

pollutant (or pollutant indicator) may be in the water body before determining that the water body is not meeting all applicable WQS; instead, they relate to the information necessary to conduct an attainment decision pursuant to Section 303(d) of the CWA and its implementing federal regulation, 40 C.F.R. § 130.7(b)(5)-(6), and as such, do not constitute WQS. Accordingly, EPA has no duty to review the subject amended statute. *Fl. Clean Water Network*, supra.

It was recommended that DEP not identify impairments of numeric criteria for public water supply and water contact recreation designated uses based upon a single exceedance.

In the Draft 2012 Section 303(d) list, the listing methodology for numeric criteria were described in the Use Assessment Procedures section, beginning on page 6 of the document, and in Table 3 on page 6. Under the described methodology, a single exceedance as described in the comment would not result in a listing.

Two commenters recommended that DEP use a “weight of evidence” approach rather than “independent applicability” when assessing the Ohio River relative to the numeric total iron criterion for the protection of the aquatic life use. The commenters contend that the Ohio River aquatic life use is not impaired. One suggested that DEP embrace ORSANCO’s use of a weight of evidence approach. Another pointed out that EPA guidance does not preclude use of a weight of evidence approach and that such an approach has been used in other states and EPA regions.

Note that West Virginia Water Quality Standards include numeric criteria for total iron for both the aquatic life protection and public water supply designated uses. Assessment was based upon all water chemistry data reported by ORSANCO in its “Biennial Assessment Report of Ohio River Water Quality Conditions” for 2007 – 2011. ORSANCO’s report includes not only samples collected at West Virginia lock and dam sites but also data collected by Pennsylvania DEP at sites in Sewickly, Pennsylvania

and East Liverpool, Ohio with violation rates of 25% and 27%, respectively. In addition, the DEP’s listing methodology is point-rather than pool-based, and impairment at a point is extended both upstream and downstream to sites with unimpaired water quality or state boundaries. The data associated with the 2012 list indicates a decreasing trend in the number of iron violations in the river and the listed lengths are significantly less than those identified in 2010. However, the available data still indicate points with violation rates exceeding the 10% listing threshold and associated impaired segments.

ORSANCO is an interstate agency dealing with water quality standards from many different states and, as such, attempts to reconcile differing state and regional standards and protocols as much as possible. Although ORSANCO publishes a biennial 305(B) report addressing overall water quality in the Ohio River mainstem and selected major tributaries, it is not required to publish a 303(d) List nor is its methodology required to be scrutinized by EPA. Although other EPA Regions have accepted a “weight of evidence” approach, Region III has made it clear in both previous listing cycles and communications regarding the 2012 listing cycle that “independent applicability” is the only acceptable course of action for 303(d) listing purposes.

The 2012 Draft 303(d) listings are based on the currently effective West Virginia water quality criteria for total iron and the assessed data clearly indicate locations with a greater than 10% rate of exceedance. Whereas ORSANCO has the discretion to base 305(b) aquatic life use support decisions using its fish index, the DEP cannot conclude that all forms of aquatic life are protected. Furthermore, the condition of aquatic life cannot be used to rationalize assessment of a criterion prescribed for protection of the public water supply designated use.

Removal of the draft selenium listing for Conner Run (WVO-77-A) was requested. The commenter stated that Connor Run is an effluent dominated stream, with little watershed

contribution below an NPDES permitted discharge. A site-specific selenium criterion has been granted in the West Virginia Water Quality Standards and discharge monitoring data was provided that demonstrates consistent compliance with the criterion since 2008.

The draft listing was based on limited the DEP monitoring in the 2006 and 2007 time period that demonstrated exceedances of the site-specific criterion. The DEP agrees that the permitted discharge is the source of the Connor Run stream segment and that it is reasonable to consider the quality of the permitted discharge with that of Connor Run. The DEP further agrees that available information, when evaluated pursuant to the listing methodology, does not support an impairment decision. The draft Connor Run selenium listing has been removed.

DEP was requested to provide a link to its Quality Assurance Program Procedures (QAPP).

DEP's Standard Operating Procedures and its EPA-approved Quality Assurance Program Procedures are available on the website at the following address:
<http://www.dep.wv.gov/WWE/watershed/Pages/WBSOPs.aspx>.

The DEP was requested to post the data used in the 303(d) list as the data are validated so that affected entities will have a meaningful amount of time to review the data and decide whether to collect additional data. The commenter further requested that the link be included in the 303(d) document.

The DEP's Watershed Assessment Branch (WAB) collects, analyzes and records statewide data on a continual basis. WAB data constitutes the majority of data used in the 303(d) listing process. Many different types of information are entered into a database and all information is available to the public upon request. WAB water quality data is currently available at: <https://apps.dep.wv.gov/dwwm/wqdata/>. This link has been included in the Surface Water Monitoring and Assessment section of the Integrated Report.

The data at this site is continually updated as the site is live-linked to the database. In the near future, WAB biological data will also be available at this site.

Please note that qualified data from external sources, from which 303(d) decisions may be based, is normally received and validated after the cut-off date for the current listing cycle.

DEP was requested to provide a link to an explanation of which data were used from third parties and any data which were rejected, with an explanation of why.

DEP's requirements for qualifying external data are available at: http://www.dep.wv.gov/WWE/watershed/IR/Documents/IR_2012_Documents/3rdParty_QAGuidelines_editted_Chris_20110527.pdf

Received data is initially reviewed and the DEP attempts to obtain any missing validation information through a request to the contact person named in the submission. Data meeting requirements is combined with other qualified data and assessed for compliance with water quality criteria.

The DEP makes a good faith effort to use external qualified data but does not advertise disqualified data. Data providers that feel their qualified data was not appropriately considered may question or comment in the 303(d) public notice process.

A commenter suggested the 303(d) listing methodology should be put out for public comment every odd-numbered year so that the public can comment on the methodology in advance of the list preparation.

It is a considerable challenge for the DEP to accomplish biennial 303(d) listing requirements. Often, EPA approval is received with limited time prior to the next list being due. Since the EPA approval validates the listing methodology it informs the protocols that will be deemed acceptable in the subsequent list.

DEP's listing methodology has remained relatively constant

over the past several listing cycles, with changes in response to specific changes in water quality criteria or legislative code. The basis for any changes to past practices is described in the draft list and subject to public notice and comment. The existing draft 303(d) list public notice process affords a reasonable opportunity for affected stakeholders to explore, debate and effect revision of proposed protocols. The proposed additional process would not practically enhance stakeholder involvement.

A commenter disagreed with the approach of listing the entire stream length if one monitoring station indicates impairment and suggested that a “lesser section be listed.”

The commenter did not explain the basis for disagreement or an alternative methodology to quantify impaired length. The segmentation protocol is the same as that successfully used in past listing cycles. The condition measured at a specific stream location is maintained in both upstream and downstream directions until contradicted by another measurement. In streams with only one assessment location, our methodology results in an “entire length” listing. Segmentation does occur if data from multiple assessment locations provide a clear distinction between impaired and non-impaired segments, or where impoundments or other factors limit the reasonable extension of the observed condition. DEP disagrees that a change to the protocol is warranted. Additional information has been added to the Use Assessment Procedures section of the Integrated Report to clarify our segmentation methodology in multiple sampling location scenarios.

A commenter questioned the number of turbidity listings and suggested that turbidity TMDLs be given the lowest TMDL development priority.

The draft list does not identify any turbidity listings.

A commenter recommended that DEP should modify it bacteria impairment assessment methodology in various ways so as to be consistent with an anticipated the EPA

proposal of new national recommended bacteria criteria.

DEP has a responsibility to assess impairment based upon currently effective water quality criteria. West Virginia fecal coliform bacteria criteria have not been recently revised. The bacteria assessment protocols used in the 2012 cycle are the same as those approved by the EPA in previous cycles. The methodology will be revisited in future cycles if West Virginia Water Quality Standards are revised and if the revisions are approved by the EPA.

A commenter supported the DEP position to not assess lakes with respect to total phosphorus and chlorophyll-a water quality until the EPA approval discrepancy is resolved.

The DEP position is unchanged.

A commenter requested reconsideration of previously submitted fecal coliform water quality data with respect to the impairment status of the following waters: South Branch Potomac River, Johnson Run, Rockymarsh Run, and Lost River. The commenter emphasized the potential bacteria water quality improvement associated with monitoring conducted May 2011 through April 2012.

The DEP reevaluated all qualified water quality monitoring data for the subject waters for the time period associated with the 2012 report (July 1, 2006 – June 30, 2011). The DEP found exceedance frequencies in excess of listing thresholds for Johnson Run, Rockymarsh Run and Lost River and did not revise their impairment classifications. The DEP recognizes that the May 2011 through April 2012 monitoring results suggest improving water quality trends, but that data is largely outside the prescribed monitoring period for 2012 reporting cycle. All data collected after June 30, 2011 will be retained for assessment in the 2014 cycle when reclassification may occur if positive trends continue.

The DEP agrees that available fecal coliform data for the segment of the South Branch Potomac from Old Fields Bridge to Springfield does not exceed listing thresholds. As such, the impairment listing

has been removed. The fecal coliform TMDL is applicable to the South Branch segment from the West Virginia/Virginia boundary to Old Fields Bridge. Available 2012 cycle data for this segment does not support reclassification to the “improved waters” list but continued improving water quality may allow reclassification in 2014.

A commenter asked for reconsideration of previously submitted selenium water quality data compiled from instream monitoring by NPDES permittees as reported on Discharge Monitoring Reports (DMRs). The commenter initially requested 303(d) listing of approximately 85 streams for which their assessment indicates a selenium exceedance rate in excess of the listing threshold. The commenter recognized that the DEP included a subset of the requested streams on the draft 303(d) list and requested reconsideration of those omitted.

In response to the original submission, DEP recognized a need to perform an independent and comprehensive review of instream monitoring data reported by NPDES permittees on DMRs. The permitting database was queried and the DEP reviewed and qualified the data, associated monitoring locations to stream names and milepoints, removed duplicate records for data reported under multiple permits, made reasonable assumptions for translating summary data to individual monitoring results and applied the protocols of the listing methodology to determine impairments and segmentation. As a result, the draft 303(d) list included many more selenium impaired waters than would have been listed without consideration of the “DMR” data source.

After public notice, the DEP discovered errors in the database query used for the original evaluation that caused incomplete data to be returned. This was corrected and the above described actions were taken on the complete dataset. This effort resulted in the addition of 68 selenium impaired streams to the final draft 303(d) list.

A commenter requested that the associated source for selenium impairments should be changed from “unknown” to “current and/or past mining operations” because water quality data from Appalachian areas show that selenium concentrations increase with increased mining activities and that valley fills are known sources of elevated instream selenium values.

In general, source tracking information to absolutely identify the causative sources of impairment is not available at the time of listing. The DEP maintains that causative sources are best determined after additional monitoring and source tracking performed in the TMDL development process.

Mining activities may ultimately be deemed responsible for the subject impairments and, in fact, many approved West Virginia selenium TMDLs have targeted reduction solely from mining related point source discharges. However, the DEP lacks information at this time to assess cause/sources on a stream-specific basis.

Source identification in the 303(d) list is not a prerequisite for NPDES permit controls that ensure discharges do not cause or contribute to water quality impairments. NPDES permits for discharges into selenium impaired waters must include criterion-end-of-pipe limitations if the discharge has reasonable potential to contribute selenium.

A commenter stated that the proposed timeline of 11 to 15 years from 303d listing to TMDL implementation for selenium is insufficient to prevent significant Se bioaccumulation and probable loss of fish diversity and biomass. The commenter also questioned why the DEP’s selenium TMDL development is not following the same timeline explained on page 13 of the 2012 Draft 303(d) list.

The projected schedule for selenium TMDL development is not different from other impairments. TMDL projects are planned in

accordance with the five-year Watershed Management Framework cycle as described in the draft Report. Projected dates for specific impairments are the latest year for which TMDLs are scheduled to be completed and represent the last of three framework cycle opportunities from the time of initial listing.

A commenter contended the TMDL and permitting processes are not resulting in the achievement of selenium water quality standards, citing continued selenium impact and increasing selenium concentr.,mnb v cations in the Mud River despite a Selenium TMDL being completed and new permits including selenium effluent limitations.

The Mud River selenium TMDL prescribes appropriate allocations to achieve water quality standards. Attainment is contingent upon the imposition of, and compliance with, NPDES permit effluent limitations consistent with the TMDL wasteload allocations for existing sources and the growth requirements for new sources.

List Supplements Overview

Six supplements are provided that contain additional information. The six supplements are entitled: “Previously Listed Waters – No TMDL Developed,” “Previously Listed Waters – TMDL Developed,” “Impaired Waters under TMDL Development,” “Water Quality Improvements,” “Impaired Waters – No TMDL Needed,” “Total Aluminum TMDLs Developed,” and “New Listings for 2012.”

Supplemental Table A - Previously Listed Waters – No TMDL Developed

Previously listed waters from the 2010 list that are not on the 2012 list are included in this supplement if a TMDL has not been developed, and these waters have been reevaluated and determined not to be impaired. Causes for revision of the impairment status include recent water quality data demonstrating an improved water quality condition, revision to the water quality criteria associated with the previous listing, documentation that the

water was previously listed in error or a modification of the listing methodology.

Supplemental Table B - Previously Listed Waters - TMDL Developed

TMDLs have been developed for many previously listed waters. TMDL development allows the removal of impairments from the 303(d) list. Waters included in Supplemental Table B have TMDLs developed for the identified impairments, but water quality improvements are not yet complete and/or documented. Waters in Supplemental Table B will have an Integrated Report Category 4A designation unless TMDLs still need to be developed for other pollutants, in which case the stream will be included in Category 5.

Supplemental Table C - Water Quality Improvements

The goal of TMDLs and stream restoration projects is to bring the stream back to the point where it meets its designated uses and the associated water quality criteria. Supplement C includes a listing of streams with improved water quality due to TMDL implementation or pre-TMDL stream restoration work resulting in delisting. In the Integrated Report, the waters in Supplement C can be included in Category 1 if all designated uses are being met.

Supplemental Table D - Impaired Waters - No TMDL Development Needed

This table lists impaired waters for which either other control mechanisms are in place to control pollutants or the water is not impaired by a pollutant (i.e., flow alterations caused by mining). These waters will be contained in Integrated Report Categories 4b and 4c unless TMDLs need to be developed for other pollutant-related impairments (Category 5).

Supplemental Table E - Total Aluminum TMDLs Developed

This table contains a list of previously listed waters for total aluminum TMDL that were developed and established by the

EPA. Due to a criteria change from total aluminum to dissolved aluminum, the state placed total aluminum TMDLs onto a separate table from Supplemental Table B. Streams are removed from this list after dissolved aluminum evaluations are made.

Supplemental Table F - New Listings for 2012

This table is a list of impaired waters that are new on the list for 2012 and were not on the 2010 Section 303(d) list.

WV 2012 Section 303(d) List Key

List Format

Impaired waters are first organized by their hydrologic group pursuant to the West Virginia Watershed Management Framework (i.e. Hydrologic Group A waters are shown first, followed by Hydrologic Group B, etc.). Within each hydrologic group, major watersheds are displayed alphabetically (e.g. within Hydrologic Group C, the Gauley Watershed is displayed first, followed by the Lower Guyandotte and so on.) Within each major watershed, impaired waters are arranged by their stream code.

The following table displays the format of the West Virginia 2012 Section 303(d) List and contains excerpts designed to display various intricacies.

Stream Name	Stream Code	Criteria Affected	Source	Impaired Length (mi)	Reach Description	Projected TMDL Year	2010 List?
Hydrologic Group C							
MIDDLE OHIO NORTH WATERSHED - HUC# 05030201							
Fishing Creek	WVO-69	Fecal Coliform Iron	Unknown Unknown	23.0 23.0	Entire Length Entire Length	2012 2012	Yes Yes
South Fork/Fishing Creek	WVO-69-N	CNA-Biological Fecal Coliform Iron	Unknown Unknown Unknown	20.4 20.4 20.4	Entire Length Entire Length Entire Length	2012 2012 2012	Yes Yes Yes
Arches Fork	WVO-69-N-7	CNA-Biological Fecal Coliform Iron	Unknown Unknown Unknown	6.2 6.2 6.2	Entire Length Entire Length Entire Length	2102 2012 2012	Yes Yes Yes
Slabcamp Run	WVO-69-N-7-A	Fecal Coliform Iron	Unknown Unknown	1.9 1.9	Entire Length Entire Length	2012 2012	Yes Yes

West Virginia's streams are coded under an alphanumeric system. Major rivers have been assigned an alphabetical code that symbolizes their name. For example, the code for the Ohio River is "WVO" which symbolizes West Virginia-Ohio. Adding a numerical suffix to the major river code codifies tributaries to the mainstems of the major rivers. Suffixes are applied in ascending order from mouth to headwaters. Tributaries of tributaries are codified by alternately adding numerical and alphabetical suffixes, always in ascending order from mouth to headwaters. In the example table, the Fishing Creek (WVO-69) is the 69th tributary of the Ohio River (WVO) and South Fork/Fishing Creek (WVO-69-N) is the 14th tributary of Fishing Creek. Arches Fork (WVO-69-N-7) is the seventh tributary of South Fork/Fishing Creek. Slabcamp Run (WVO-69-N-7-A) is the first tributary of Arches Fork.

The "Criteria Affected" column identifies the water quality criterion that is not attained in the impaired water. On the list, a separate line is provided for each affected criterion. The "Source" column identifies the general source(s) of the impairment. In most instances, the actual source of impairment is not known at the time of listing. For all waters and impairments, the impaired length is provided, as well as the impaired reach description, in as much detail as possible. If the exact length of impairment is unknown, the entire length of the stream is indicated by default. Sources of impairment and impaired reach descriptions will be confirmed in the TMDL development process.

The "Projected TMDL Year" column indicates the latest year in which the WVDEP plans to develop a TMDL for the impairment. The last column of the list provides information as to whether or not the stream appeared on the West Virginia 2010 Section 303(d) List or is a new listing.

Projected TMDL Completion Year	
Hydrologic Group A	2014, 2019, 2024
Hydrologic Group B	2015, 2020, 2025
Hydrologic Group C	2016, 2021, 2026
Hydrologic Group D	2012, 2017, 2022
Hydrologic Group E	2013, 2018, 2023

Designated Uses

The affected designated uses associated with each listing are not displayed in the tabular format. Instead, the following table and discussion provides information regarding the affected designated use(s) for all criteria exceedances that resulted in the listing of impaired waters.

Criterion	Affected Designated Use			
	Aquatic Life	Contact Recreation	Public Water Supply	All Other uses
Aluminum, dissolved	X			
Chloride	X		X	
Chromium, hexavalent	X			
CNA - Algae		X	X	
CNA - Biological	X			
Dioxin (2,3,7,8 - TCDD)		X	X	X
Fecal Coliform / Bacteria		X	X	
Iron	X		X	
Lead, dissolved	X			
Manganese			X	
Mercury		X	X	
Nitrite	X			
PCBs		X		
pH	X	X	X	X
Selenium	X		X	
Zinc	X			

Abbreviations and Acronyms

The following table defines abbreviations and acronyms used.

AQ	Aquatic Life	mi	Miles
CNA	Conditions Not Allowable	mp	Mile Point
(dis)	Dissolved	RM	River Mile
HW	Headwaters	TMDL	Total Maximum Daily Load
HUC	Hydrologic Unit Code	UNT	Unnamed Tributary
(Trout)	Used to signify trout water criterion		

* TBD - To be determined. TMDLs will be developed as soon as practicable after the effective date of rules enacted pursuant to Senate Bill 562.

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP A

CHEAT WATERSHED - HUC# 05020004

1 Lake 1730 acres 26 streams 121 miles

Cheat Lake	WVMC-(L1)	Methylmercury	Unknown	1730.0	Entire Lake	2024	No
UNT/Greens Run RM 6.88	WVMC-16-E	CNA-Biological	Unknown	1.0	Entire length	2024	Yes
Shavers Fork	WVMCS	pH	Unknown	28.0	RM 40.6 (Bemis) to RM 68.6 (Cheat Bridge)	2019	Yes
Smoky Hollow	WVMCS-0.5	CNA-Biological	Unknown	1.8	Entire length	2019	Yes
McGee Run	WVMCS-39	pH	Unknown	2.0	Entire length	2019	Yes
Yokum Run	WVMCS-40	pH	Unknown	2.6	Entire length	2019	Yes
Crouch Run	WVMCS-41	pH	Unknown	2.8	Entire length	2019	Yes
Whitmeadow Run	WVMCS-44	pH	Unknown	2.5	Entire length	2019	Yes
Stonecoal Run	WVMCS-45	pH	Unknown	2.6	Entire length	2019	Yes
Fish Hatchery Run	WVMCS-48	pH	Unknown	2.8	Entire length	2019	Yes
First Fork	WVMCS-50	pH	Unknown	5.4	Entire length	2019	Yes
Buck Run	WVMCS-52	pH	Unknown	1.0	Entire length	2019	Yes
Second Fork	WVMCS-54	pH	Unknown	4.4	Entire length	2019	Yes
Lindy Run	WVMC-60-D-2.5	pH	Unknown	2.0	Entire length	2019	Yes
UNT/Beaver Creek RM 11.91	WVMC-60-D-5-H	CNA-Biological	Unknown	2.1	Entire length	2024	Yes
Yellow Creek	WVMC-60-D-7	CNA-Biological	Unknown	3.0	Entire length	2019	Yes
Freeland Run	WVMC-60-D-12	CNA-Biological	Unknown	1.8	Entire length	2019	Yes
Laurel Run/Dry Fork	WVMC-60-E	pH	Unknown	3.6	Entire length	2019	Yes
Otter Creek	WVMC-60-F	pH	Unknown	12.8	Entire length	2019	Yes
Coal Run	WVMC-60-F-1	pH	Unknown	2.0	Entire length	2019	Yes
Yellow Creek	WVMC-60-F-7	pH	Unknown	2.6	Entire length	2019	Yes
South Fork/Red Run	WVMC-60-G-2	pH	Unknown	1.6	Entire length	2019	Yes
Red Creek	WVMC-60-O	pH	Unknown	19.8	Entire length	2019	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Gandy Run	WVMC-60-O-3	pH	Unknown	2.3	Entire length	2019	Yes
South Fork/Red Creek	WVMC-60-O-4	pH	Unknown	6.0	Entire length	2019	Yes
Stonecoal Run	WVMC-60-O-6	pH	Unknown	2.2	Entire length	2019	Yes
Tory Camp Run	WVMC-60-R	CNA-Biological	Unknown	2.6	Entire length	2019	Yes
SHENANDOAH (HARDY) WATERSHED - HUC# 02070006						2 streams	6 miles
Capon Run	WVSNF-1	CNA-Biological	Unknown	2.7	Entire length	2014	Yes
Crab Run	WVSNF-2	CNA-Biological	Unknown	3.2	Entire length	2014	Yes
SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007						2 streams	13 miles
Bullskin Run	WVS-6	Fecal Coliform	Unknown	8.5	Entire length	2024	No
North Fork/Bullskin Run	WVS-6-A	Fecal Coliform	Unknown	4.6	Entire length	2024	No
		Nitrite	Unknown	4.6	Entire length	2024	No
SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001						30 streams	191 miles
South Branch Potomac River	WVPSB	CNA-Algae	Unknown	34.3	RM 23.7 (Johns Run) to RM 58 (South Fork)	2024	No
UNT/South Branch Potomac River RM 10.37	WVPSB-1.65	CNA-Biological	Unknown	2.0	Entire length	2014	Yes
UNT/South Branch Potomac River RM 21.86	WVPSB-1.9	CNA-Biological	Unknown	3.6	Entire length	2014	Yes
Buffalo Creek	WVPSB-5	CNA-Biological	Unknown	3.6	Entire length	2014	Yes
Dumpling Run	WVPSB-9-B	CNA-Biological	Unknown	2.6	Entire length	2014	Yes
Mayhew Run	WVPSB-9-B-2	CNA-Biological	Unknown	1.1	Entire length	2014	Yes
Anderson Run	WVPSB-18	CNA-Biological	Unknown	4.9	Entire length	2014	Yes
Mudlick Run	WVPSB-18-A	CNA-Biological	Unknown	8.4	Entire Length	2014	Yes
UNT/Mudlick Run RM 2.88	WVPSB-18-A-0.8	CNA-Biological	Unknown	1.0	Entire length	2014	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/South Branch Potomac River RM 51.62	WVPSB-18.2	pH	Unknown	3.0	Entire length	2014	Yes
Dumpling Run	WVPSB-20-A	CNA-Biological	Unknown	6.6	Entire length	2019	Yes
Dumpling Run	WVPSB-21-F	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2014	Yes
UNT/South Branch Potomac River RM 40.44	WVPSB-21-T	CNA-Biological	Unknown	2.6	Entire length	2014	Yes
Hawes Run	WVPSB-21-X	CNA-Biological	Unknown	4.2	Mouth to RM 4.2	2014	Yes
Miller Run	WVPSB-21-AA	CNA-Biological	Unknown	6.5	Entire length	2014	Yes
UNT/South Branch Potomac River RM 59.19	WVPSB-21.5	CNA-Biological	Unknown	6.1	Entire length	2014	Yes
Johnson Run	WVPSB-25-A	Fecal Coliform	Unknown	4.2	Entire length	2014	No
North Mill Creek	WVPSB-25-B	CNA-Biological	Unknown	13.2	Entire length	2014	Yes
		Fecal Coliform	Unknown	13.2	Entire length	2014	No
Brushy Run	WVPSB-25-B-2	Fecal Coliform	Unknown	4.9	Entire length	2014	No
South Mill Creek	WVPSB-25-C	Fecal Coliform	Unknown	14.5	Entire length	2014	No
Robinson Run	WVPSB-26-A	CNA-Biological	Unknown	5.4	Entire length	2014	Yes
South Fork/Lunice Creek	WVPSB-26-D	CNA-Biological	Unknown	10.3	Entire length	2014	Yes
Powers Hollow	WVPSB-28-0.2A	CNA-Biological	Unknown	2.7	Entire length	2014	Yes
Jordan Run	WVPSB-28-A	CNA-Biological	Unknown	5.9	Entire length	2014	Yes
Mill Creek	WVPSB-28-M	CNA-Biological	Unknown	3.4	Entire length	2014	Yes
Judy Run	WVPSB-28-U	CNA-Biological	Unknown	2.1	Entire length	2014	Yes
Reeds Creek	WVPSB-33	CNA-Biological	Unknown	13.8	Entire length	2014	Yes
Deer Run	WVPSB-35	CNA-Biological	Unknown	9.5	Entire length	2014	Yes
Smith Creek	WVPSB-46	CNA-Biological	Unknown	4.7	Mouth to RM 4.7	2014	Yes
East Dry Run	WVPSB-53	CNA-Biological	Unknown	4.0	Entire length	2014	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UPPER KANAWHA WATERSHED - HUC# 05050006						52 streams 219 miles	
Kanawha River (Upper)	WVK-up	PCBs	Unknown	48.0	RM 57.9 (confluence with Elk River) to HW	2019	Yes
Mission Hollow (Venable Branch)	WVK-46	CNA-Biological	Unknown	2.3	Entire length	2014	Yes
Lower Donnally Branch	WVK-48	CNA-Biological	Unknown	2.0	Entire length	2014	Yes
Pointlick Fork	WVK-49-F	CNA-Biological	Mining	3.7	Entire length	*TBD	Yes
		Selenium	Unknown	3.7	Entire length	2024	No
UNT/Pointlick Fork RM 2.26	WVK-49-F-4	Selenium	Unknown	0.7	Entire length	2024	No
Rattlesnake Hollow	WVK-49-I	CNA-Biological	Mining	2.0	Entire length	*TBD	Yes
		Selenium	Unknown	2.0	Entire length	2024	No
Big Ninemile Fork	WVK-49-N	CNA-Biological	Unknown	1.8	Entire length	2014	Yes
Georges Creek	WVK-50	CNA-Biological	Unknown	2.8	Entire length	2014	Yes
New West Hollow	WVK-58-B.8-1	CNA-Biological	Unknown	1.2	Entire length	2014	Yes
Cabin Creek	WVK-61	Selenium	Unknown	22.7	Entire length	2024	No
Wet Branch	WVK-61-C	CNA-Biological	Mining	3.3	Entire length	*TBD	Yes
Longbottom Creek	WVK-61-F	Chloride	Unknown	1.8	Mouth to RM 1.8	2024	No
Laurel Fork/Longbottom Creek	WVK-61-F-2	Chloride	Unknown	1.6	Entire length	2024	No
Coal Fork	WVK-61-H	Chloride	Unknown	5.8	Entire length	2024	No
		CNA-Biological	Mining	5.8	Entire length	*TBD	Yes
		Selenium	Unknown	5.8	Entire length	2024	No
Left Fork/Laurel Fork	WVK-61-H-1-A	Selenium	Unknown	2.2	Entire length	2024	No
UNT/Coal Fork RM 4.63	WVK-61-H-3	Chloride	Unknown	1.3	Entire length	2024	No
		Selenium	Unknown	1.3	Entire length	2024	No

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WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Toms Fork	WVK-61-K	CNA-Biological	Unknown	1.8	Entire length	2014	Yes
		Selenium	Unknown	1.8	Entire length	2014	No
Tenmile Fork	WVK-61-L	Selenium	Unknown	6.0	Entire length	2014	Yes
UNT/Tenmile Fork RM 1.22	WVK-61-L-0.5	CNA-Biological	Unknown	1.4	Entire length	2014	Yes
UNT/Tenmile Fork RM 3.98	WVK-61-L-4	Selenium	Unknown	1.0	Entire length	2014	Yes
UNT/Tenmile Fork RM 4.17	WVK-61-L-5	Selenium	Unknown	0.3	Mouth to RM 0.3	2014	No
Fifteenmile Fork	WVK-61-O	Selenium	Unknown	3.6	Entire length	2024	No
Abbott Creek	WVK-61-O-1	Selenium	Unknown	2.3	Entire length	2024	No
Long Branch	WVK-61-O-2	Selenium	Unknown	2.9	Entire length	2024	No
UNT/Cabin Creek RM 18.06	WVK-61-O-4	Selenium	Unknown	0.7	Entire length	2024	No
UNT/Cabin Creek RM 20.9	WVK-61-P	Selenium	Unknown	1.9	Entire length	2024	No
Kellys Creek	WVK-64	CNA-Biological	Unknown	6.5	Entire length	2014	Yes
Horsemill Branch	WVK-64-A	CNA-Biological	Unknown	2.1	Entire length	2014	Yes
		Manganese	Unknown	2.1	Entire length	2014	Yes
		pH	Unknown	2.1	Entire length	2014	Yes
Sugarcamp Branch	WVK-64-C	CNA-Biological	Unknown	1.5	Entire length	2014	Yes
Bufflick Branch	WVK-64-D	CNA-Biological	Unknown	2.6	Entire length	2014	Yes
Hurricane Fork	WVK-64-K	CNA-Biological	Unknown	3.1	Entire length	2014	Yes
		Selenium	Unknown	1.2	RM 1.9 to HW	2014	No
Paint Creek	WVK-65	Iron (trout)	Unknown	18.2	RM 14.13 (Laurel Br) to RM 31.48	2019	Yes
Banner Hollow	WVK-65-D	CNA-Biological	Unknown	3.0	Entire length	2014	Yes
Fourmile Fork	WVK-65-E	Selenium	Unknown	2.4	Mouth to RM 2.4	2024	No
Sycamore Branch	WVK-65-L	CNA-Biological	Unknown	3.2	Entire length	2014	Yes
Long Branch	WVK-65-M-1	Aluminum (d)	Unknown	4.1	Entire length	2014	Yes
Cedar Creek	WVK-65-Q	CNA-Biological	Unknown	1.2	Entire length	2014	Yes
Bishop Fork	WVK-65-X	CNA-Biological	Unknown	1.7	Entire length	2014	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Mossy Creek	WVK-65-Y	CNA-Biological	Unknown	5.8	Entire length	2014	Yes
North Sand Branch	WVK-65-HH-1	CNA-Biological	Unknown	3.5	Entire length	2014	Yes
Maple Fork	WVK-65-HH-1-A	CNA-Biological	Unknown	2.9	Entire length	2014	Yes
Hughes Creek	WVK-66	CNA-Biological	Unknown	7.0	Entire length	2014	Yes
		Selenium	Unknown	7.0	Entire length	2014	Yes
Martin Hollow	WVK-66-B.5	CNA-Biological	Unknown	1.2	Entire length	2014	Yes
Barn Hollow	WVK-66-B.6	CNA-Biological	Unknown	0.7	Entire length	2014	Yes
Sixmile Hollow	WVK-66-D	Selenium	Unknown	1.5	Entire length	2014	Yes
Dunn Hollow	WVK-69	Selenium	Unknown	2.0	Entire length	2024	No
Smithers Creek	WVK-72	CNA-Biological	Unknown	5.6	Mouth to RM 5.6	2014	Yes
		Selenium	Unknown	5.6	Mouth to RM 5.6	2014	Yes
Bullpush Fork	WVK-72-B	CNA-Biological	Unknown	2.4	Entire length	2014	Yes
		Selenium	Unknown	2.4	Entire length	2024	No
Armstrong Creek	WVK-73	Selenium	Unknown	8.6	Entire length	2024	No
Dempsey Branch	WVK-76-C	CNA-Biological	Unknown	2.7	Entire length	2014	Yes
UNT/Loop Creek RM 13.30	WVK-76-J.8	Selenium	Unknown	0.6	Entire length	2024	No
UNT/Open Fork RM 0.22	WVK-76-M-1	Selenium	Unknown	0.6	Entire length	2024	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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UPPER OHIO NORTH WATERSHED - HUC# 05030101**6 streams 43 miles**

Ohio River (Upper North)	WVO-un	Bacteria	Unknown	31.4	MP 71.4 to MP 40 (PA line) (Entire length)	2014	Yes
		Dioxin	Unknown	31.4	MP 71.4 to MP 40 (PA line) (Entire length)	2015	Yes
		Iron	Unknown	14.4	MP 54.4 to MP 40 (PA line)	2018	Yes
Mahan Run	WVO-96	CNA-Biological	Unknown	2.8	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.8	Entire length	2024	No
Holbert Run	WVO-99	CNA-Biological	Unknown	2.8	Entire length	2014	Yes
Laurel Hollow (Muchmores Run)	WVO-105	CNA-Biological	Unknown	2.1	Entire length	2014	Yes
Middle Run	WVO-107	CNA-Biological	Unknown	2.0	Entire length	2014	Yes
Marks Run	WVO-108	CNA-Biological	Unknown	1.7	Entire length	2014	Yes

YOUGHIOGHENY WATERSHED - HUC# 05020006**1 stream 6 miles**

Youghiogheny River	WVMY	CNA-Biological	Unknown	6.2	Entire length	2019	Yes
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Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP B

COAL WATERSHED - HUC# 05050009

60 streams 220 miles

Coal River	WVKC	Selenium	Unknown	7.6	RM 11.3 to Forks of Big/Little Coal River	2025	No
Fuquay Creek	WVKC-8	CNA-Biological	Unknown	5.4	Entire length	2025	Yes
Ely Fork	WVKC-10-E-2	CNA-Biological	Unknown	3.6	Entire length	2020	Yes
Big Horse Creek	WVKC-10-I	Selenium	Unknown	4.1	RM 6.0 to HW	2025	No
Boone Block Hollow	WVKC-10-I-6-A-1	Selenium	Unknown	1.0	Entire length	2025	No
Jule Webb Fork	WVKC-10-I-11	Selenium	Unknown	1.4	Entire length	2025	No
Slippery Gut Branch	WVKC-10-M	CNA-Biological	Unknown	1.9	Entire length	2020	Yes
Spruce Fork	WVKC-10-T	CNA-Biological	Unknown	31.0	Entire length	2025	Yes
		Selenium	Unknown	8.8	RM 22.2 to HW (to fks)	2025	No
Trace Branch	WVKC-10-T-11-B	Selenium	Unknown	2.2	Entire length	2025	No
UNT/Trace Branch RM 0.64	WVKC-10-T-11-B-1	Selenium	Unknown	0.9	Entire length	2025	No
Rockhouse Creek	WVKC-10-T-13	CNA-Biological	Mining	3.0	Entire length	*TBD	Yes
Left Fork/Beech Creek	WVKC-10-T-15-A	CNA-Biological	Mining	2.4	Entire length	*TBD	Yes
White Oak Branch	WVKC-10-T-22	Selenium	Unknown	1.4	Mouth to RM 1.4	2025	No
Garland Fork	WVKC-10-T-23	Selenium	Unknown	3.2	Entire length	2025	No
Abe Burgess Fork	WVKC-10-T-23-C	Selenium	Unknown	1.9	Entire length	2025	No
Brushy Fork	WVKC-10-T-24	Selenium	Unknown	3.8	Entire length	2025	No
Pond Fork	WVKC-10-U	Selenium	Unknown	22.4	RM 14.2 to HW	2025	No
Robinson Creek	WVKC-10-U-3	Selenium	Unknown	2.6	RM 2.7 to HW	2025	No
Bull Creek	WVKC-10-U-5	Selenium	Unknown	3.5	Entire length	2025	No
UNT/Bull Creek RM 2.69	WVKC-10-U-5-G	Selenium	Unknown	0.5	Entire length	2025	No

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WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
West Fork/Pond Fork	WVKC-10-U-7	Selenium	Unknown	1.5	RM 9.0 to RM 10.5	2025	No
Bandy Branch	WVKC-10-U-7-E	Selenium	Unknown	2.8	Entire length	2025	No
Mudlick Branch	WVKC-10-U-7-E-1	Selenium	Unknown	2.0	Entire length	2025	No
UNT/James Creek RM 0.22	WVKC-10-U-7-I-1	Selenium	Unknown	2.9	Entire length	2025	No
UNT/UNT RM 0.86/James Creek RM 0.22	WVKC-10-U-7-I-1-A	Selenium	Unknown	1.2	Entire length	2025	No
UNT/James Creek RM 0.76	WVKC-10-U-7-I-2	Selenium	Unknown	0.7	Entire length	2025	No
Matts Creek	WVKC-10-U-7-J	Selenium	Unknown	0.9	Mouth to RM 0.9	2025	No
Jarrell Branch	WVKC-10-U-11	Selenium	Unknown	0.9	RM 0.9 to HW	2025	No
Trace Fork	WVKC-10-U-12-A	CNA-Biological	Unknown	0.9	Entire length	2020	Yes
Workman Branch	WVKC-10-U-15	Selenium	Unknown	1.8	Entire length	2025	No
James Branch	WVKC-10-U-16	CNA-Biological	Mining	4.2	Entire length	*TBD	Yes
UNT/James Branch RM 0.5	WVKC-10-U-16-A	Selenium	Unknown	0.2	Mouth to RM 0.2	2025	No
Big Coal River	WVKC-Big	Selenium	Unknown	14.8	Mouth (Coal forks) to RM 14.8	2025	No
Brier Creek	WVKC-13	CNA-Biological	Unknown	8.4	Entire length	2020	Yes
Fork Creek	WVKC-14	Selenium	Unknown	2.5	Mouth to RM 2.5	2025	No
Road Fork	WVKC-16-D	Selenium	Unknown	1.7	Entire length	2025	No
Laurel Creek	WVKC-31	Selenium	Unknown	8.6	Entire length	2025	No
Hopkins Fork	WVKC-31-B	CNA-Biological	Unknown	11.3	Entire length	2020	Yes
Stolling Fork	WVKC-31-I	Selenium	Unknown	2.5	Entire length	2025	No
Moccasin Hollow	WVKC-35-E-2	Selenium	Unknown	1.5	Entire length	2025	No
Right Fork/White Oak Creek	WVKC-35-F	Selenium	Unknown	1.1	Mouth to RM 1.1	2025	No
Seng Creek	WVKC-42	CNA-Biological	Mining	5.9	Entire length	*TBD	Yes
Culvert Hollow	WVKC-42-A	Selenium	Unknown	1.5	Entire length	2025	No
Brushy Fork	WVKC-46-A-4	Selenium	Unknown	1.9	Entire length	2025	No

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WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Bacon Hollow	WVKC-46-A-5	Selenium	Unknown	1.0	Entire length	2025	No
UNT/Marsh Fork RM 4.13 (Upper Big Branch)	WVKC-46-A-7	Selenium	Unknown	1.1	RM 1.4 to HW	2025	No
Ellis Creek	WVKC-46-B	CNA-Biological	Mining	1.2	Mouth to RM 1.2	*TBD	Yes
Rock Creek	WVKC-46-I	CNA-Biological	Unknown	5.2	Entire length	2020	Yes
Spanker Branch	WVKC-46-M	CNA-Biological	Unknown	2.0	Entire length	2020	Yes
Rockhouse Creek	WVKC-47-A	Selenium	Unknown	3.3	Entire length	2020	Yes
UNT/Rockhouse Creek RM 0.99	WVKC-47-A-2	Selenium	Unknown	1.6	Entire length	2025	No
UNT/Rockhouse Creek RM 2.04	WVKC-47-A-5	Selenium	Unknown	1.3	Entire length	2025	No
Gardner Branch	WVKC-47-B	Selenium	Unknown	1.4	Entire length	2025	No
Laurel Branch	WVKC-47-D	Selenium	Unknown	1.3	Entire length	2025	No
Speed Branch	WVKC-47-E-1	Selenium	Unknown	1.1	Entire length	2025	No
White Oak Creek	WVKC-47-K	Selenium	Unknown	4.0	Entire length	2025	No
Horse Creek	WVKC-47-K.5	Selenium	Unknown	1.9	Entire length	2025	No
Toney Fork	WVKC-47-L	CNA-Biological	Mining	3.1	Entire length	*TBD	Yes
		Selenium	Unknown	2.6	Mouth to RM 2.6	2025	No
Buffalo Fork	WVKC-47-L-1	CNA-Biological	Mining	2.5	Entire length	*TBD	Yes
		Selenium	Unknown	2.5	Entire length	2025	No
Ewing Fork	WVKC-47-L-2	Selenium	Unknown	1.9	Entire length	2025	No

ELK WATERSHED - HUC# 05050007
1 Lake 1500 acres 9 streams 62 miles

Sutton Lake	WVKE-(L1)	Methylmercury	Unknown	1500.0	Entire Lake	2025	No
Leatherwood Creek	WVKE-46	CNA-Biological	Mining	11.3	Entire length	*TBD	Yes
Right Fork/Leatherwood Creek	WVKE-46-C	CNA-Biological	Mining	4.0	Entire length	*TBD	Yes
Bullpen Fork	WVKE-46-C-1	Selenium	Unknown	2.3	Entire length	2025	No

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WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Cannel Coal Hollow	WVKE-46-C-2	Selenium	Unknown	1.4	Entire length	2025	No
Road Fork	WVKE-46-D	CNA-Biological	Mining	2.4	Entire length	*TBD	Yes
Little Birch River	WVKE-76-E	Selenium	Unknown	19.8	Entire length	2025	No
Big Branch	WVKE-50-B-3	CNA-Biological	Mining	2.3	Entire length	*TBD	Yes
Birch River	WVKE-76	CNA-Biological	Mining	17.6	Entire length	*TBD	Yes
Jacks Run	WVKE-76-W	CNA-Biological	Mining	1.3	Entire length	*TBD	Yes

LOWER KANAWHA WATERSHED - HUC# 05050008

2 streams 61 miles

Kanawha River (Lower)	WVK-lo	Fecal Coliform	Unknown	56.4	RM 1.5 to RM 57.9 (confluence with Elk River)	2020	Yes
		PCBs	Unknown	57.9	Mouth (confluence with Ohio) to	2020	Yes
Joplin Branch	WVK-42	CNA-Biological	Unknown	2.9	Entire length	*TBD	Yes

TYGART VALLEY WATERSHED - HUC# 05020001

53 streams 382 miles

Tygart Valley River	WVMT	Fecal Coliform	Unknown	134.7	Entire length	2015	Yes
UNT/Tygart Valley River RM 7.22	WVMT-2.5	Selenium	Unknown	2.0	Entire length	2025	No
Wickwire Run	WVMT-8	CNA-Biological	Unknown	8.0	Entire length	2015	Yes
Three Fork Creek	WVMT-12	Aluminum (d)	Unknown	19.0	Entire length	2015	Yes
Raccoon Creek	WVMT-12-C	Aluminum (d)	Unknown	8.8	Entire length	2015	Yes
Squires Creek	WVMT-12-H-1	CNA-Biological	Unknown	4.5	Entire length	2025	Yes
UNT/Birds Creek RM 0.64	WVMT-12-H-2	pH	Unknown	4.1	Entire length	2025	No
UNT/Birds Creek RM 2.57	WVMT-12-H-4	CNA-Biological	Unknown	2.2	Entire length	2020	Yes

* TBD - To be determined. TMDLs will be developed as soon as practicable after the effective date of rules enacted pursuant to Senate Bill 562.

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Little Sandy Creek	WVMT-18-E	Aluminum (d)	Unknown	10.6	Entire length	2015	Yes
		CNA-Biological	Unknown	10.6	Entire length	2015	Yes
Laurel Creek	WVMT-24	Iron (trout)	Unknown	5.3	Entire length	2020	Yes
Sugar Creek	WVMT-24-C	CNA-Biological	Unknown	12.0	Entire length	2015	Yes
Long Run	WVMT-24-C-4	CNA-Biological	Unknown	1.6	Entire length	2015	Yes
Hackers Creek	WVMT-26	CNA-Biological	Unknown	4.6	Entire length	2015	Yes
Foxgrape Run	WVMT-26-B	CNA-Biological	Unknown	3.4	Entire length	2015	Yes
Big Run	WVMTB-8	CNA-Biological	Unknown	1.9	Entire length	2020	Yes
Childers Run	WVMTB-9	CNA-Biological	Unknown	2.3	Entire length	2015	Yes
Wash Run	WVMTB-11-B.5	CNA-Biological	Unknown	1.9	Entire length	2020	Yes
Little Sand Run	WVMTB-13	Fecal Coliform	Unknown	3.4	Entire length	2020	Yes
Left Fork/Little Sand Run	WVMTB-13-A	Fecal Coliform	Unknown	2.5	Entire length	2020	Yes
Ratcliff Run	WVMTB-14	Fecal Coliform	Unknown	2.9	Entire length	2020	Yes
Cutright Run	WVMTB-17	pH	Unknown	4.2	Entire length	2015	Yes
French Creek	WVMTB-18	Iron (trout)	Unknown	18.5	Entire length	2020	Yes
Sawmill Run	WVMTB-20	CNA-Biological	Unknown	1.6	Entire length	2015	Yes
UNT/Sawmill Run RM 0.23	WVMTB-20-A	Selenium	Unknown	1.1	Entire length	2025	No
Laurel Run/Buckhannon River	WVMTB-24	CNA-Biological	Unknown	2.5	Entire length	2020	Yes
Right Fork/Tenmile Creek	WVMTB-25-A	pH	Unknown	4.0	Entire length	2015	Yes
Smooth Rock Lick Run	WVMTB-32-A	pH	Unknown	2.0	Entire length	2015	Yes
Bearcamp Run	WVMTB-32-D	pH	Unknown	5.5	Entire length	2015	Yes
Beech Run	WVMTB-32-H	pH	Unknown	5.2	Entire length	2015	Yes
Middle Fork River	WVMTM	CNA-Biological	Unknown	5.8	RM 23.1 (Long Run) to RM 28.9	2025	Yes
Laurel Run/Middle Fork River	WVMTM-2	pH	Unknown	2.0	Entire length	2015	Yes
Hooppole Run	WVMTM-3	CNA-Biological	Unknown	1.6	Entire length	2015	Yes
Service Run	WVMTM-5	pH	Unknown	1.0	Entire length	2015	Yes
Short Run	WVMTM-7	pH	Unknown	1.7	Entire length	2015	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Right Fork/Middle Fork River	WVMTM-11	Iron (trout)	Unknown	15.3	Entire length	2015	Yes
Cassity Fork	WVMTM-16	Aluminum (d)	Unknown	2.0	Mouth to RM 2.0	2020	Yes
		Aluminum (trout)	Unknown	4.5	RM 2.0 to HW	2020	Yes
		pH	Unknown	4.5	RM 2.0 to HW	2015	Yes
Three Forks Run	WVMTM-17	CNA-Biological	Unknown	2.6	Entire length	2015	Yes
Pleasant Run	WVMTM-21	CNA-Biological	Unknown	2.3	Entire length	2020	Yes
Birch Fork	WVMTM-26	pH	Unknown	6.6	Entire length	2015	Yes
Rocky Run	WVMTM-26-B	CNA-Biological	Unknown	5.8	Entire length	2015	Yes
Kittle Creek	WVMTM-28	pH	Unknown	6.2	Entire length	2015	Yes
Beaver Creek	WVMT-37	Aluminum (d)	Unknown	4.6	Entire length	2020	Yes
Little Laurel Run	WVMT-40-A	pH	Unknown	3.8	Entire length	2015	Yes
Grassy Run	WVMT-41	Aluminum (d)	Unknown	2.8	Entire length	2020	Yes
Roaring Creek	WVMT-42	Aluminum (d)	Unknown	15.0	Entire length	2015	Yes
UNT/Roaring Creek RM 4.09	WVMT-42-0.8A	pH	Unknown	1.2	Entire length	2015	Yes
Craven Run	WVMT-43-A	CNA-Biological	Unknown	5.6	Entire length	2015	Yes
Davis Lick	WVMT-43-H	CNA-Biological	Unknown	2.3	Mouth to RM 2.3	2015	Yes
Laurel Run	WVMT-43-O	CNA-Biological	Unknown	2.5	Entire length	2015	Yes
Glade Run	WVMT-64-C	Iron (trout)	Unknown	1.8	Entire length	2015	Yes
		pH	Unknown	1.8	Entire length	2015	Yes
Meatbox Run	WVMT-64-E	pH	Unknown	1.3	Entire length	2015	Yes
Potatohole Fork	WVMT-64-F	pH	Unknown	2.0	Entire length	2015	Yes
Riffle Creek	WVMT-66	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2015	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP C

GAULEY WATERSHED - HUC# 05050005

41 streams 268 miles

Scrabble Creek	WVKG-1	CNA-Biological	Mining	3.1	Entire length	*TBD	Yes
Left Fork/Scrabble Creek	WVKG-1-A	CNA-Biological	Mining	2.2	Entire length	*TBD	Yes
Big Creek	WVKG-3	Selenium	Unknown	3.1	Entire length	2026	No
Twentymile Creek	WVKG-5	Selenium	Unknown	17.2	RM 7.4 to RM 24.6	2026	No
Bells Creek	WVKG-5-B	Selenium	Unknown	8.2	Entire length	2026	No
UNT/Bells Creek RM 4.39	WVKG-5-B-5.1	Selenium	Unknown	1.0	Entire length	2026	No
Hardway Branch	WVKG-5-K	Selenium	Unknown	2.0	Entire length	2026	No
Peters Fork	WVKG-5-K-1	Selenium	Unknown	1.6	Entire length	2026	No
Boardtree Branch	WVKG-5-M	CNA-Biological	Mining	2.1	Entire length	*TBD	Yes
Sugarcamp Branch	WVKG-5-N	CNA-Biological	Mining	0.1	Entire length	*TBD	Yes
Stillhouse Branch	WVKG-5-O	CNA-Biological	Mining	1.9	Entire length	*TBD	Yes
Robinson Fork	WVKG-5-P	CNA-Biological	Mining	3.6	Entire length	*TBD	Yes
Right Fork/Robinson Fork	WVKG-5-P-1	CNA-Biological	Unknown	1.4	Entire length	2021	Yes
UNT/Rader Fork RM 0.96	WVKG-5-R-1.5	Selenium	Unknown	0.7	Mouth to RM 0.7	2026	No
UNT/Rader Fork RM 1.48	WVKG-5-R-3	Selenium	Unknown	0.6	Entire length	2026	No
Meadow River	WVKG-19	Fecal Coliform	Unknown	68.8	Entire length	2016	Yes
UNT/Meadow Creek RM 5.37	WVKG-19-P-0.8	Iron	Unknown	0.9	Entire length	2021	Yes
Otter Creek	WVG-19-W	Iron	Unknown	6.5	Entire length	2021	Yes
Crooked Run	WVKG-26-O-1	Selenium	Unknown	1.1	Entire length	2026	No
Big Beaver Creek	WVKG-30	Selenium	Unknown	3.1	RM 13.3 to HW	2026	No
Board Fork	WVKG-30-Q	Selenium	Unknown	2.8	Mouth to RM 2.8	2026	No
O'Brien Fork	WVKG-30-S	Selenium	Unknown	4.0	Entire length	2026	No

* TBD - To be determined. TMDLs will be developed as soon as practicable after the effective date of rules enacted pursuant to Senate Bill 562.

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Jims Branch	WVKG-32-G	Iron (trout)	Unknown	4.6	Entire length	2021	Yes
Elklick Run	WVKG-34-G-5	Iron (trout)	Unknown	1.9	Entire length	2021	Yes
North Fork/Cherry River	WVKG-34-H	Aluminum (trout)	Unknown	21.6	Entire length	2021	Yes
Desert Branch	WVKG-34-H-2	pH	Unknown	1.9	Entire length	2021	Yes
Hunters Run	WVKG-34-H-4	pH	Unknown	2.7	Entire length	2026	No
Rabbit Run	WVKG-34-H-11	pH	Unknown	1.4	Entire length	2021	Yes
Bear Run	WVKG-34-H-14	pH	Unknown	2.2	Entire length	2021	Yes
Cranberry River	WVKGC	Aluminum (trout)	Unknown	27.6	Entire length	2016	Yes
Bear Run	WVKGC-6	pH	Unknown	3.1	Entire length	2026	No
Mill Branch	WVKGC-11	pH	Unknown	1.7	Entire length	2026	No
Queer Branch	WVKGC-13	pH	Unknown	2.1	Entire length	2026	No
Hanging Rock Branch	WVKGC-15	pH	Unknown	1.6	Entire length	2026	No
Rough Run	WVKGC-17	pH	Unknown	2.7	Entire length	2026	No
Big Ditch Run	WVKG-46	CNA-Biological	Unknown	3.1	Entire length	2021	Yes
Williams River	WVKGW	Aluminum (trout)	Unknown	29.8	RM 3.0 to HW	2021	Yes
Middle Fork/Williams River	WVKGW-10	Aluminum (trout)	Unknown	12.9	Entire length	2016	Yes
Little Fork	WVKGW-10-A	pH	Unknown	3.4	Entire length	2026	No
Beechy Run	WVKGW-10-C	pH	Unknown	3.9	Entire length	2021	Yes
Sugar Creek	WVKGW-21	Aluminum (trout) (d)	Unknown	3.8	Entire length	2016	Yes

LOWER GUYANDOTTE WATERSHED - HUC# 05070102
57 streams 210 miles

Tanyard Branch	WVOGM-1.5	CNA-Biological	Unknown	1.5	Entire length	2021	Yes
Little Cabell Creek	WVOGM-3	CNA-Biological	Unknown	3.3	Entire length	2016	Yes
Big Cabell Creek	WVOGM-4	CNA-Biological	Unknown	7.4	Entire length	2021	Yes
Fudges Creek	WVOGM-6	CNA-Biological	Unknown	6.7	Entire length	2021	Yes
Wire Branch	WVOGM-6-0.5A	CNA-Biological	Unknown	1.9	Entire length	2021	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Mill Creek	WVOGM-8	CNA-Biological	Unknown	4.2	Entire length	2021	Yes
Right Fork/Mill Creek	WVOGM-8-C	CNA-Biological	Unknown	2.8	Entire length	2016	Yes
Johns Branch	WVOGM-11	CNA-Biological	Unknown	2.5	Entire length	2021	Yes
Indian Fork	WVOGM-12	CNA-Biological	Unknown	6.5	Entire length	2016	Yes
Charley Creek	WVOGM-14	CNA-Biological	Unknown	8.7	Entire length	2021	Yes
Trace Creek	WVOGM-19	CNA-Biological	Unknown	3.0	Entire length	2021	Yes
Trace Fork	WVOGM-20	CNA-Biological	Unknown	17.9	RM 6.4 to HW	2016	Yes
Coon Creek	WVOGM-20-A	CNA-Biological	Unknown	3.3	Entire length	2016	Yes
Big Creek	WVOGM-20-D	CNA-Biological	Unknown	7.0	Entire length	2021	Yes
Straight Fork	WVOGM-22-A	CNA-Biological	Unknown	1.7	Mouth to RM 1.7	2016	Yes
Meadow Branch	WVOGM-25-A	CNA-Biological	Unknown	1.8	Entire length	2016	Yes
Straight Fork	WVOGM-25-H	CNA-Biological	Unknown	7.4	Entire length	2021	Yes
Valley Fork	WVOGM-25-H-1	CNA-Biological	Unknown	2.9	Entire length	2016	Yes
Sugartree Fork	WVOGM-25-I	CNA-Biological	Unknown	1.4	Mouth to RM 1.4	2016	Yes
Big Creek	WVOGM-35	CNA-Biological	Unknown	1.8	Mouth to RM 1.8	2021	Yes
Left Fork/Mud River	WVOGM-39	CNA-Biological	Unknown	8.9	RM 3.3 to HW	2016	Yes
Stinson Branch	WVOGM-39-E	CNA-Biological	Unknown	2.6	Entire length	2021	Yes
Upton Branch	WVOGM-40.3	CNA-Biological	Unknown	2.9	Entire length	2021	Yes
Berry Branch	WVOGM-44	Selenium	Unknown	2.8	Entire length	2023	No
UNT/Berry Branch RM 1.43	WVOGM-44-A	Selenium	Unknown	1.3	Entire length	2023	No
Mullins Branch	WVOGM-45	Selenium	Unknown	1.2	Entire length	2023	No
Ballard Fork	WVOGM-49	CNA-Biological	Unknown	2.3	Entire length	2016	Yes
Lukey Fork	WVOGM-50	Selenium	Unknown	2.5	Entire length	2023	No
Davis Creek	WVOG-3	CNA-Biological	Unknown	2.8	Entire length	2016	Yes
Edens Branch	WVOG-3-0.5A	CNA-Biological	Unknown	1.0	Entire length	2021	Yes
Smith Creek	WVOG-11	CNA-Biological	Unknown	3.7	Entire length	2016	Yes
Cavill Creek	WVOG-12	CNA-Biological	Unknown	2.6	Entire length	2021	Yes

WEST VIRGINIA**2012 Section 303(d) List****WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Madison Creek	WVOG-17	CNA-Biological	Unknown	4.0	Entire length	2016	Yes
Twomile Creek	WVOG-24	CNA-Biological	Unknown	3.8	Entire length	2021	Yes
Fourmile Creek	WVOG-27	CNA-Biological	Unknown	8.0	Entire length	2021	Yes
Ninemile Creek	WVOG-31	CNA-Biological	Unknown	7.1	Entire length	2021	Yes
Tenmile Creek	WVOG-32	CNA-Biological	Unknown	7.5	Entire length	2021	Yes
Lick Branch	WVOG-34-A	CNA-Biological	Unknown	2.3	Entire length	2016	Yes
Aarons Creek	WVOG-35	CNA-Biological	Unknown	3.0	Entire length	2016	Yes
Laurel Creek	WVOG-38-D	CNA-Biological	Unknown	2.8	Mouth to RM 2.8	2021	Yes
Fawn Hollow	WVOG-38-M	Selenium	Unknown	0.9	Entire length	2026	No
Dry Run	WVOG-41	CNA-Biological	Unknown	1.3	Entire length	2016	Yes
Short Bend Fork	WVOG-42-A	CNA-Biological	Unknown	1.2	Entire length	2016	Yes
Laurel Fork	WVOG-42-C	CNA-Biological	Unknown	1.7	Entire length	2016	Yes
West Fork/Big Harts Creek	WVOG-44-A	CNA-Biological	Unknown	2.4	Entire length	2021	Yes
Smokehouse Fork	WVOG-44-E	CNA-Biological	Unknown	8.7	Entire length	2021	Yes
Buck Fork	WVOG-44-G	CNA-Biological	Unknown	5.7	Entire length	2021	Yes
Bulwark Branch	WVOG-44-K	CNA-Biological	Unknown	1.6	Entire length	2016	Yes
Vickers Branch	WVOG-49-C	CNA-Biological	Unknown	1.2	Entire length	2016	Yes
UNT/Big Creek RM 3.28	WVOG-49-C.1	CNA-Biological	Unknown	0.3	Entire length	2016	Yes
Trace Fork	WVOG-49-D	CNA-Biological	Unknown	5.9	Entire length	2021	Yes
Hurricane Branch	WVOG-49-D-1	CNA-Biological	Unknown	1.9	Entire length	2021	Yes
Garrett Fork	WVOG-49-E	CNA-Biological	Unknown	4.0	Entire length	2021	Yes
Perrys Branch	WVOG-49-E-1	CNA-Biological	Unknown	1.0	Entire length	2016	Yes
South Fork/Crawley Creek	WVOG-51-G.5	CNA-Biological	Unknown	1.8	Entire length	2016	Yes
Fowler Branch	WVOG-51.5	CNA-Biological	Unknown	1.1	Entire length	2016	Yes
Mill Creek	WVOG-59	CNA-Biological	Unknown	2.4	Entire length	2016	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
MIDDLE OHIO NORTH WATERSHED - HUC# 05030201						86 streams 646 miles	
Ohio River (Middle North)	WVO-mn	Bacteria	Unknown	40.1	MP 172.2 to MP 163.1; 157.7-146.9; 141.5-136.1; 131.3-127.0; 124.3-113.8	2014	Yes
		Dioxin	Unknown	58.4	MP 172.2 to MP 113.8 (Entire)	2015	Yes
		Iron	Unknown	10.4	MP 172.2 to MP 161.8	2018	Yes
Atward Run	WVO-53-H	Iron	Unknown	1.3	Entire length	2012	Yes
Cow Creek	WVO-55	Fecal Coliform	Unknown	9.4	Entire length	2012	Yes
French Creek	WVO-57	Fecal Coliform	Unknown	7.6	Entire length	2012	Yes
Right Fork/French Creek	WVO-57-E	Fecal Coliform	Unknown	3.9	Entire length	2012	Yes
Left Fork/French Creek	WVO-57-F	Fecal Coliform	Unknown	4.3	Entire length	2012	Yes
Middle Island Creek	WVOMI	CNA-Biological	Unknown	44.0	RM 34.7 to HW	2012	Yes
		Fecal Coliform	Unknown	78.7	Entire length	2012	Yes
		Iron	Unknown	78.7	Entire length	2012	Yes
McKim Creek	WVOMI-4	CNA-Biological	Unknown	4.6	Mouth to RM 4.6	2012	Yes
		Fecal Coliform	Unknown	20.4	Entire length	2012	Yes
Bogart Run	WVOMI-6	Fecal Coliform	Unknown	1.4	Entire length	2012	Yes
Sugar Creek	WVOMI-9	CNA-Biological	Unknown	15.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	15.0	Entire length	2012	Yes
Allen Run	WVOMI-13	Fecal Coliform	Unknown	2.1	Entire length	2012	Yes
		Iron	Unknown	2.1	Entire length	2012	Yes
Buffalo Run	WVOMI-15	Fecal Coliform	Unknown	5.0	Entire length	2012	Yes
UNT/Buffalo Run RM 0.99	WVOMI-15-0.3A	Fecal Coliform	Unknown	4.0	Entire length	2012	Yes
UNT/UNT RM 1.63/Buffalo Run RM 0.99	WVOMI-15-0.3A-5	Fecal Coliform	Unknown	1.5	Entire length	2012	Yes
Shrivers Run	WVOMI-18	Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
Allen Run	WVOMI-19	Fecal Coliform	Unknown	1.2	Entire length	2012	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

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Sancho Creek	WVOMI-21	CNA-Biological	Unknown	7.5	Mouth to RM 7.5	2012	Yes
Little Sancho Creek	WVOMI-21-A	Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
Point Pleasant Creek	WVOMI-23	CNA-Biological	Unknown	10.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	10.4	Entire length	2012	Yes
Pursley Creek	WVOMI-23-A	CNA-Biological	Unknown	7.5	Entire length	2012	Yes
		Fecal Coliform	Unknown	7.5	Entire length	2012	Yes
		Iron	Unknown	7.5	Entire length	2012	Yes
Elk Fork	WVOMI-23-B	Fecal Coliform	Unknown	14.8	Entire length	2012	Yes
		Iron	Unknown	14.8	Entire length	2012	Yes
Mudlick Run	WVOMI-23-B-3	Fecal Coliform	Unknown	2.1	Entire length	2012	Yes
Coallick Run	WVOMI-23-C	Fecal Coliform	Unknown	1.3	Entire length	2012	Yes
Willow Fork	WVOMI-23-E	Fecal Coliform	Unknown	3.7	Entire length	2012	Yes
		Iron	Unknown	3.7	Entire length	2012	Yes
Buck Run	WVOMI-23-E-1	Fecal Coliform	Unknown	2.6	Entire length	2012	Yes
Peach Fork	WVOMI-23-G	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2012	Yes
		Fecal Coliform	Unknown	1.5	Entire length	2012	Yes
UNT/Peach Fork RM 0.42	WVOMI-23-G-0.5	Fecal Coliform	Unknown	0.8	Entire length	2012	Yes
		Iron	Unknown	0.8	Entire length	2012	Yes
Gorrell Run	WVOMI-24	CNA-Biological	Unknown	4.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.4	Entire length	2012	Yes
Indian Creek	WVOMI-29	CNA-Biological	Unknown	14.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	14.8	Entire length	2012	Yes
Big Run	WVOMI-29-A	Fecal Coliform	Unknown	4.9	Entire length	2012	Yes
Walnut Fork	WVOMI-29-E	Fecal Coliform	Unknown	3.5	Entire length	2012	Yes
McElroy Creek	WVOMI-30	CNA-Biological	Unknown	22.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	22.1	Entire length	2012	Yes
		Iron	Unknown	22.1	Entire length	2012	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Flint Run	WVOMI-30-H	Fecal Coliform	Unknown	7.5	Entire length	2012	Yes
Little Flint Run	WVOMI-30-H-1	Fecal Coliform	Unknown	4.0	Entire length	2012	Yes
Talkington Fork	WVOMI-30-N	Fecal Coliform	Unknown	6.7	Entire length	2012	Yes
Pike Fork	WVOMI-30-P	Fecal Coliform	Unknown	5.8	Entire length	2012	Yes
Sycamore Fork	WVOMI-30-P-1	Fecal Coliform	Unknown	4.4	Entire length	2012	Yes
Robinson Fork	WVOMI-30-O	Fecal Coliform	Unknown	10.0	Entire length	2012	Yes
Big Battle Run	WVOMI-30-O-2	CNA-Biological	Unknown	5.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	5.1	Entire length	2012	Yes
Camp Mistake Run	WVOMI-39	Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
Arnold Creek	WVOMI-40	Fecal Coliform	Unknown	10.9	Entire length	2012	Yes
		Iron	Unknown	10.9	Entire length	2012	Yes
Long Run	WVOMI-40-B	Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
Wilhelm Run	WVOMI-40-E	CNA-Biological	Unknown	3.5	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.5	Entire length	2012	Yes
Claylick Run	WVOMI-40-F	Fecal Coliform	Unknown	3.7	Entire length	2012	Yes
Right Fork/Arnold Creek	WVOMI-40-I	CNA-Biological	Unknown	4.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.6	Entire length	2012	Yes
Left Fork/Arnold Creek	WVOMI-40-J	Fecal Coliform	Unknown	4.9	Entire length	2012	Yes
UNT/Middle Island Creek RM 67.32	WVOMI-41.5	Fecal Coliform	Unknown	1.2	Entire length	2012	Yes
		Iron	Unknown	1.2	Entire length	2012	Yes
Bluestone Creek	WVOMI-43	Fecal Coliform	Unknown	7.6	Entire length	2012	Yes
Meathouse Fork	WVOMI-46	CNA-Biological	Unknown	19.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	19.7	Entire length	2012	Yes
		Iron	Unknown	19.7	Entire length	2012	Yes
Lick Run	WVOMI-46-B	Fecal Coliform	Unknown	4.5	Entire length	2012	Yes
		Iron	Unknown	4.5	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Toms Fork	WVOMI-46-E	Iron	Unknown	9.3	Entire length	2012	Yes
Brushy Fork	WVOMI-46-H	Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
		Iron	Unknown	4.1	Entire length	2012	Yes
Snake Run	WVOMI-46-I	Fecal Coliform	Unknown	1.8	Entire length	2012	Yes
Indian Fork	WVOMI-46-J	Fecal Coliform	Unknown	4.7	Entire length	2012	Yes
Big Isaac Creek	WVOMI-46-R	Fecal Coliform	Unknown	2.0	entire length	2012	Yes
Buckeye Creek	WVOMI-47	Fecal Coliform	Unknown	12.7	Entire length	2012	Yes
Buckeye Run	WVOMI-47-C	CNA-Biological	Unknown	5.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	5.4	Entire length	2012	Yes
		Iron	Unknown	5.4	Entire length	2012	Yes
UNT/Buckeye Run RM 3.35	WVOMI-47-C-2.6	Fecal Coliform	Unknown	0.5	Entire length	2012	Yes
		Iron	Unknown	0.5	Entire length	2012	Yes
Buffalo Calf Fork	WVOMI-47-E	Fecal Coliform	Unknown	3.4	Entire length	2012	Yes
Sugarcamp Run	WVO-63	Fecal Coliform	Unknown	2.0	Entire length	2012	Yes
		Iron	Unknown	2.0	Entire length	2012	Yes
Cow Hollow Run	WVO-66	CNA-Biological	Unknown	2.2	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.2	Entire length	2012	Yes
Fishing Creek	WVO-69	Fecal Coliform	Unknown	23.0	Entire length	2012	Yes
		Iron	Unknown	23.0	Entire length	2012	Yes
Doolin Run	WVO-69-A	CNA-Biological	Unknown	5.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	5.3	Entire length	2012	Yes
Little Fishing Creek	WVO-69-C	CNA-Biological	Unknown	20.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	20.3	Entire length	2012	Yes
		Iron	Unknown	20.3	Entire length	2012	Yes
Scheidler Run	WVO-69-C-5	Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
Rush Run	WVO-69-C-7	Fecal Coliform	Unknown	3.3	Entire length	2012	Yes
State Run	WVO-69-F	Iron	Unknown	4.1	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Brush Run	WVO-69-H	Fecal Coliform	Unknown	4.0	Entire length	2012	Yes
		Iron	Unknown	4.0	Entire length	2012	Yes
Crow Run	WVO-69-J	Fecal Coliform	Unknown	4.7	Entire length	2012	Yes
South Fork/Fishing Creek	WVO-69-N	CNA-Biological	Unknown	20.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	20.4	Entire length	2012	Yes
		Iron	Unknown	20.4	Entire length	2012	Yes
Upper Run	WVO-69-N-3	Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
Buffalo Run	WVO-69-N-5	CNA-Biological	Unknown	6.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.1	Entire length	2012	Yes
		Iron	Unknown	6.1	Entire length	2012	Yes
Richwood Run	WVO-69-N-6	Fecal Coliform	Unknown	4.9	Entire length	2012	Yes
Arches Fork	WVO-69-N-7	CNA-Biological	Unknown	6.2	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.2	Entire length	2012	Yes
		Iron	Unknown	6.2	Entire length	2012	Yes
Slabcamp Run	WVO-69-N-7-A	Fecal Coliform	Unknown	1.9	Entire length	2012	Yes
		Iron	Unknown	1.9	Entire length	2012	Yes
Fallen Timber Run	WVO-69-N-8	CNA-Biological	Unknown	3.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
		Iron	Unknown	3.6	Entire length	2012	Yes
Price Run	WVO-69-N-9	CNA-Biological	Unknown	4.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.4	Entire length	2012	Yes
		Iron	Unknown	4.4	Entire length	2012	Yes
Buck Run	WVO-69-N-9-B	Fecal Coliform	Unknown	1.9	Entire length	2012	Yes
Stout Run	WVO-69-N-11	Fecal Coliform	Unknown	1.5	Entire length	2012	Yes
Trader Fork	WVO-69-N-12	Fecal Coliform	Unknown	3.0	Entire length	2012	Yes
North Fork/Fishing Creek	WVO-69-O	Fecal Coliform	Unknown	16.1	Entire length	2012	Yes
		Iron	Unknown	16.1	Entire length	2012	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Maud Run	WVO-69-O-3	Fecal Coliform	Unknown	2.3	Entire length	2012	Yes
Willey Fork	WVO-69-O-6	Fecal Coliform	Unknown	7.4	Entire length	2012	Yes
Morgan Run	WVO-69-O-6-E	Fecal Coliform	Unknown	1.9	Entire length	2012	Yes
Williams Run	WVO-70	Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
Proctor Creek	WVO-72	CNA-Biological	Unknown	9.1	Entire length	2012	Yes

MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202

1 Lake 278 acres 89 streams 587 miles

Ohio River (Middle South)	WVO-ms	Bacteria	Unknown	79.9	MP 265.7 to MP 203.2; 193.3-188.4; 184.7-172.2	2014	Yes
		Dioxin	Unknown	65.8	MP 238.0 to MP 172.2	2015	Yes
		Iron	Unknown	93.5	MP 265.7 to MP 172.2 (Entire)	2018	Yes
Crooked Creek	WVO-20.5	Fecal Coliform	Unknown	8.6	Entire length	2012	Yes
		Iron	Unknown	8.6	Entire length	2012	Yes
Oldtown Creek	WVO-21	CNA-Biological	Unknown	19.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	19.4	Entire length	2012	Yes
		Iron	Unknown	19.4	Entire length	2012	Yes
Turkey Run	WVO-21-0.5A	CNA-Biological	Unknown	2.9	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.9	Entire length	2012	Yes
		Iron	Unknown	2.9	Entire length	2012	Yes
Potter Creek	WVO-21-A	CNA-Biological	Unknown	3.6	Entire length	2012	Yes
Robinson Run	WVO-21-B	Fecal Coliform	Unknown	5.7	Entire length	2012	Yes
		Iron	Unknown	5.7	Entire length	2012	Yes
UNT/Robinson Run RM 2.42	WVO-21-B-0.9	CNA-Biological	Unknown	1.2	Entire length	2012	Yes
		Fecal Coliform	Unknown	1.2	Entire length	2012	Yes
		Iron	Unknown	1.2	Entire length	2012	Yes
UNT/Robinson Run RM 3.33	WVO-21-B-2	Fecal Coliform	Unknown	1.6	Entire length	2012	Yes
		Iron	Unknown	1.6	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Trace Fork	WVO-21-C	Fecal Coliform	Unknown	4.4	Entire length	2012	Yes
		Iron	Unknown	4.4	Entire length	2012	Yes
Mill Run	WVO-22	CNA-Biological	Unknown	4.9	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.9	Entire length	2012	Yes
		Iron	Unknown	4.9	Entire length	2012	Yes
Tenmile Creek	WVO-23	CNA-Biological	Unknown	9.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	9.6	Entire length	2012	Yes
		Iron	Unknown	9.6	Entire length	2012	Yes
UNT/Tenmile Creek RM 4.13	WVO-23-B.5	Fecal Coliform	Unknown	0.6	Entire length	2012	Yes
UNT/Tenmile Creek RM 5.33	WVO-23-C	CNA-Biological	Unknown	1.6	Entire length	2012	Yes
		Iron	Unknown	1.6	Entire length	2012	Yes
Sliding Hill Creek	WVO-24	CNA-Biological	Unknown	4.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.8	Entire length	2012	Yes
		Iron	Unknown	4.8	Entire length	2012	Yes
UNT/Sliding Hill Creek RM 1.25	WVO-24-A	CNA-Biological	Unknown	4.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.8	Entire length	2012	Yes
		Iron	Unknown	4.8	Entire length	2012	Yes
Broad Run	WVO-25	Fecal Coliform	Unknown	1.6	Entire length	2012	Yes
		Iron	Unknown	1.6	Entire length	2012	Yes
Little Broad Run	WVO-26	CNA-Biological	Unknown	4.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.3	Entire length	2012	Yes
		Iron	Unknown	4.3	Entire length	2012	Yes
West Creek	WVO-27	Fecal Coliform	Unknown	6.0	Entire length	2012	Yes
		Iron	Unknown	6.0	Entire length	2012	Yes
Little Mill Creek	WVO-31	CNA-Biological	Unknown	10.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	10.0	Entire length	2012	Yes
		Iron	Unknown	10.0	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Mill Creek	WVO-32	CNA-Biological	Unknown	29.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	29.4	Entire length	2012	Yes
		Iron	Unknown	29.4	Entire length	2012	Yes
Bar Run	WVO-32-C	CNA-Biological	Unknown	2.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.4	Entire length	2012	Yes
		Iron	Unknown	2.4	Entire length	2012	Yes
Cow Run	WVO-32-D	CNA-Biological	Unknown	2.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.8	Entire length	2012	Yes
		Iron	Unknown	2.8	Entire length	2012	Yes
Right Fork/Cow Run	WVO-32-D-1	Fecal Coliform	Unknown	1.5	Entire length	2012	Yes
		Iron	Unknown	1.5	Entire length	2012	Yes
Left Fork/Cow Run	WVO-32-D-2	CNA-Biological	Unknown	1.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	1.0	Entire length	2012	Yes
		Iron	Unknown	1.0	Entire length	2012	Yes
Parchment Creek	WVO-32-H	CNA-Biological	Unknown	14.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	14.7	Entire length	2012	Yes
		Iron	Unknown	14.7	Entire length	2012	Yes
Grass Run	WVO-32-H-4	Fecal Coliform	Unknown	3.3	Entire length	2012	Yes
		Iron	Unknown	3.3	Entire length	2012	Yes
Cox Fork	WVO-32-H-6	CNA-Biological	Unknown	4.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
		Iron	Unknown	4.1	Entire length	2012	Yes
Wolfe Creek	WVO-32-H-8	CNA-Biological	Unknown	3.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
		Iron	Unknown	3.6	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Sycamore Creek	WVO-32-K	CNA-Biological	Unknown	6.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.1	Entire length	2012	Yes
		Iron	Unknown	6.1	Entire length	2012	Yes
Left Fork/Sycamore Creek	WVO-32-K-1	CNA-Biological	Unknown	1.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	1.0	Entire length	2012	Yes
		Iron	Unknown	1.0	Entire length	2012	Yes
Tug Fork	WVO-32-L	Fecal Coliform	Unknown	11.9	Entire length	2012	Yes
		Iron	Unknown	11.9	Entire length	2012	Yes
Bear Fork	WVO-32-L-4.5	Fecal Coliform	Unknown	1.0	Entire length	2012	Yes
Grasslick Creek	WVO-32-L-7	CNA-Biological	Unknown	13.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	13.3	Entire length	2012	Yes
		Iron	Unknown	13.3	Entire length	2012	Yes
Stonelick Creek	WVO-32-L-7-B	Fecal Coliform	Unknown	5.1	Entire length	2012	Yes
Bear Fork	WVO-32-L-8	CNA-Biological	Unknown	6.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.7	Entire length	2012	Yes
Laurel Run	WVO-32-L-8-B	Fecal Coliform	Unknown	2.7	Entire length	2012	Yes
Elk Fork	WVO-32-M	CNA-Biological	Unknown	15.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	15.4	Entire length	2012	Yes
		Iron	Unknown	15.4	Entire length	2012	Yes
Elk Fork Lake	WVO-32-M-(L1)	Methylmercury	Unknown	278.0	Entire Lake	2026	No
Little Mill Creek	WVO-32-N	CNA-Biological	Unknown	11.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	11.1	Entire length	2012	Yes
		Iron	Unknown	11.1	Entire length	2012	Yes
Joes Run	WVO-32-N-2	Fecal Coliform	Unknown	1.0	Entire length	2012	Yes
		Iron	Unknown	1.0	Entire length	2012	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Frozenscamp Creek	WVO-32-N-3	CNA-Biological	Unknown	3.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.0	Entire length	2012	Yes
		Iron	Unknown	3.0	Entire length	2012	Yes
Big Run	WVO-32-N-4	Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
		Iron	Unknown	1.7	Entire length	2012	Yes
Right Fork/Big Run	WVO-32-N-4-B	Fecal Coliform	Unknown	3.2	Entire length	2012	Yes
Left Fork/Big Run	WVO-32-N-4-C	Fecal Coliform	Unknown	3.2	Entire length	2012	Yes
Little Creek	WVO-32-N-5	CNA-Biological	Unknown	4.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.8	Entire length	2012	Yes
Poplar Fork	WVO-32-N-5-B	Fecal Coliform	Unknown	1.3	Entire length	2012	Yes
Buffalo Creek	WVO-32-N-6	CNA-Biological	Unknown	3.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
Spring Creek	WVO-33	CNA-Biological	Unknown	2.5	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.5	Entire length	2012	Yes
Cedar Run	WVO-34	CNA-Biological	Unknown	3.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.4	Entire length	2012	Yes
Sandy Creek	WVO-36	CNA-Biological	Unknown	22.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	22.0	Entire length	2012	Yes
		Iron	Unknown	22.0	Entire length	2012	Yes
Straight Fork	WVO-36-C	Fecal Coliform	Unknown	4.1	Entire length	2012	Yes
Crooked Fork	WVO-36-D	CNA-Biological	Unknown	6.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.1	Entire length	2012	Yes
		Iron	Unknown	6.1	Entire length	2012	Yes
Trace Fork	WVO-36-G	CNA-Biological	Unknown	6.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	6.4	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Beatty Run	WVO-36-H	CNA-Biological	Unknown	3.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.4	Entire length	2012	Yes
		Iron	Unknown	3.4	Entire length	2012	Yes
Right Fork/Sandy Creek	WVO-36-I	CNA-Biological	Unknown	11.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	11.7	Entire length	2012	Yes
		Iron	Unknown	11.7	Entire length	2012	Yes
Biglick Run	WVO-36-I-4	Fecal Coliform	Unknown	2.7	Entire length	2012	Yes
Fallentimber Run	WVO-36-I-10	Fecal Coliform	Unknown	2.8	Entire length	2012	Yes
Cabin Run	WVO-36-I-12	Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
		Iron	Unknown	1.7	Entire length	2012	Yes
Left Fork/Sandy Creek	WVO-36-J	CNA-Biological	Unknown	16.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	16.3	Entire length	2012	Yes
		Iron	Unknown	16.3	Entire length	2012	Yes
Copper Fork	WVO-36-J-1	CNA-Biological	Unknown	4.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	4.8	Entire length	2012	Yes
		Iron	Unknown	4.8	Entire length	2012	Yes
Turkey Fork	WVO-36-J-3	CNA-Biological	Unknown	5.5	Entire length	2012	Yes
		Fecal Coliform	Unknown	5.5	Entire length	2012	Yes
Nesselroad Run	WVO-36-J-5	CNA-Biological	Unknown	7.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	7.6	Entire length	2012	Yes
		Iron	Unknown	7.6	Entire length	2012	Yes
Redbush Run	WVO-36-J-5-C	Fecal Coliform	Unknown	2.1	Entire length	2012	Yes
		Iron	Unknown	2.1	Entire length	2012	Yes
Maulecamp Run	WVO-36-J-5-E	Fecal Coliform	Unknown	3.1	Entire length	2012	Yes
		Iron	Unknown	3.1	Entire length	2012	Yes
Lockhart Fork	WVO-36-J-8	Fecal Coliform	Unknown	3.0	Entire length	2012	Yes
		Iron	Unknown	3.0	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Little Sandy Creek	WVO-38	Fecal Coliform	Unknown	7.8	Entire length	2012	Yes
Roadfork Run	WVO-38-A	Fecal Coliform	Unknown	4.2	Entire length	2012	Yes
		Iron	Unknown	4.2	Entire length	2012	Yes
Washington Run	WVO-41	CNA-Biological	Unknown	3.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2012	Yes
		Iron	Unknown	3.6	Entire length	2012	Yes
Pond Creek	WVO-43	CNA-Biological	Unknown	16.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	16.0	Entire length	2012	Yes
		Iron	Unknown	16.0	Entire length	2012	Yes
Little Pond Creek	WVO-43-D	Fecal Coliform	Unknown	7.9	Entire length	2012	Yes
		Iron	Unknown	7.9	Entire length	2012	Yes
Jesse Run	WVO-43-D-2	CNA-Biological	Unknown	0.6	Entire length	2012	Yes
		Iron	Unknown	0.6	Entire length	2012	Yes
UNT/Jesse Run RM 0.44	WVO-43-D-2-0.5A	Iron	Unknown	1.0	Entire length	2012	Yes
Jerrys Run	WVO-43-H	Fecal Coliform	Unknown	3.1	Entire length	2012	Yes
		Iron	Unknown	3.1	Entire length	2012	Yes
Joshus Fork	WVO-43-K	Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
		Iron	Unknown	1.7	Entire length	2012	Yes
South Fork/Lee Creek	WVO-44-A	CNA-Biological	Unknown	11.2	Entire length	2012	Yes
		Fecal Coliform	Unknown	11.2	Entire length	2012	Yes
		Iron	Unknown	11.2	Entire length	2012	Yes
Middle Fork/South Fork/Lee Creek	WVO-44-A-1	Fecal Coliform	Unknown	3.2	Entire length	2012	Yes
Willow Run	WVO-44-A-2	Fecal Coliform	Unknown	2.2	Entire length	2012	Yes
North Fork/Lee Creek	WVO-44-B	CNA-Biological	Unknown	20.0	Entire length	2012	Yes
		Fecal Coliform	Unknown	20.0	Entire length	2012	Yes
		Iron	Unknown	20.0	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Woodyards Run	WVO-44-B-2	Fecal Coliform	Unknown	3.1	Entire length	2012	Yes
		Iron	Unknown	3.1	Entire length	2012	Yes
Gunnery Run	WVO-44-B-4	CNA-Biological	Unknown	1.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	1.6	Entire length	2012	Yes
Sandy Creek	WVO-46	CNA-Biological	Unknown	5.3	Entire length	2012	Yes
		Fecal Coliform	Unknown	5.3	Entire length	2012	Yes
		Iron	Unknown	5.3	Entire length	2012	Yes
Vaughts Run	WVO-46-A	CNA-Biological	Unknown	3.9	Entire length	2012	Yes
		Fecal Coliform	Unknown	3.9	Entire length	2012	Yes
		Iron	Unknown	3.9	Entire length	2012	Yes
UNT/Sandy Creek RM 4.97	WVO-46-J	CNA-Biological	Unknown	1.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	1.7	Entire length	2012	Yes
Pond Run	WVO-48	CNA-Biological	Unknown	7.7	Entire length	2012	Yes
		Fecal Coliform	Unknown	7.7	Entire length	2012	Yes
		Iron	Unknown	7.7	Entire length	2012	Yes
Little Pond Run	WVO-48-A	CNA-Biological	Unknown	2.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.8	Entire length	2012	Yes
		Iron	Unknown	2.8	Entire length	2012	Yes
Briscoe Run	WVO-49	CNA-Biological	Unknown	2.8	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.8	Entire length	2012	Yes
		Iron	Unknown	2.8	Entire length	2012	Yes
Big Run	WVO-50	CNA-Biological	Unknown	10.1	Entire length	2012	Yes
		Fecal Coliform	Unknown	10.1	Entire length	2012	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Williams Creek	WVO-50-A	Fecal Coliform	Unknown	3.4	Entire length	2012	Yes
		Iron	Unknown	3.4	Entire length	2012	Yes
Plum Run	WVO-50-B	CNA-Biological	Unknown	2.6	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.6	Entire length	2012	Yes
Hogland Run	WVO-50-D	CNA-Biological	Unknown	2.4	Entire length	2012	Yes
		Fecal Coliform	Unknown	2.4	Entire length	2012	Yes
		Iron	Unknown	2.4	Entire length	2012	Yes

POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004
10 streams 50 miles

Rattlesnake Run	WVP-2	CNA-Biological	Unknown	4.4	Entire length	2021	Yes
Rockymarsh Run	WVP-3	CNA-Biological	Unknown	4.7	Entire length	2021	Yes
		Fecal Coliform	Unknown	4.7	Entire length	2021	Yes
UNT/Rockymarsh Run RM 3.99	WVP-3-B	Fecal Coliform	Unknown	2.9	Entire length	2021	Yes
Opequon Creek	WVP-4	Nitrite (trout)	Unknown	9.2	Mouth to RM 9.2	2021	Yes
UNT/Opequon Creek RM 10.21	WVP-4-C.4	CNA-Biological	Unknown	1.0	Entire length	2021	Yes
Roaring Run	WVP-9-B-1	CNA-Biological	Unknown	2.9	Entire length	2021	Yes
Middle Fork/Sleepy Creek	WVP-9-E	CNA-Biological	Unknown	10.2	RM 1.5 to HW	2021	Yes
South Fork/Indian Run	WVP-9-G-2	pH	Unknown	3.0	Entire length	2026	No
Warm Spring Run	WVP-10	CNA-Biological	Unknown	10.3	Entire length	2021	Yes
		Fecal Coliform	Unknown	10.3	Entire length	2026	No
UNT/Warm Spring Run RM 4.97	WVP-10-G	Fecal Coliform	Unknown	0.9	Entire length	2026	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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TUG FORK WATERSHED - HUC# 05070201**47 streams 325 miles**

Tug Fork	WVBST	CNA-Biological	Unknown	87.5	RM 27.5 to HW	2016	Yes
		Fecal Coliform	Unknown	155.0	Entire length	2021	Yes
Mill Creek	WVBST-1	CNA-Biological	Unknown	8.7	Entire length	2021	Yes
Lost Creek	WVBST-7	CNA-Biological	Unknown	4.5	Entire length	2021	Yes
Silver Creek	WVBST-16	CNA-Biological	Unknown	2.5	Entire length	2016	Yes
Parsley Big Branch	WVBST-23	CNA-Biological	Unknown	2.2	Entire length	2021	Yes
Big Branch	WVBST-24-B	Selenium	Unknown	3.3	Mouth to RM 3.3	2026	No
Middle Fork/Spruce Fork	WVBST-24-E-2-A-1	Selenium	Unknown	2.2	Entire length	2026	No
Rockhouse Branch	WVBST-24-E-5	Selenium	Unknown	0.6	Entire length	2026	No
Right Fork/Trace Fork	WVBST-24-K-4	Selenium	Unknown	3.0	Entire length	2026	No
Left Fork/Right Fork/Trace Fork	WVBST-24-K-4-A	Selenium	Unknown	1.9	Entire length	2021	Yes
Middle Fork/Elk Creek	WVBST-24-N-5	Selenium	Unknown	1.4	RM 2.4 to HW	2026	No
UNT/Oldfield Branch RM 0.46	WVBST-24-T-1	Selenium	Unknown	0.6	Entire length	2021	Yes
Slick Rock Branch	WVBST-24-AA	Selenium	Unknown	1.4	Entire length	2021	Yes
Sulphur Creek	WVBST-41	CNA-Biological	Unknown	1.7	Entire length	2016	Yes
Ben Creek	WVBST-52	Selenium	Unknown	8.2	Entire length	2021	Yes
Bull Creek	WVBST-57	Fecal Coliform	Unknown	4.9	Entire length	2021	Yes
Left Fork/Bull Creek	WVBST-57-B	Fecal Coliform	Unknown	2.0	Entire length	2021	Yes
Greenbrier Fork	WVBST-60-A	CNA-Biological	Unknown	3.5	Entire length	2016	Yes
Horse Creek	WVBST-63	CNA-Biological	Unknown	4.6	Entire length	2021	Yes
Dry Fork	WVBST-70	CNA-Biological	Unknown	34.5	Entire length	2021	Yes
		Fecal Coliform	Unknown	34.5	Entire length	2021	Yes
Grapevine Branch	WVBST-70-F	CNA-Biological	Unknown	1.8	Entire length	2016	Yes
Bradshaw Creek	WVBST-70-M	Fecal Coliform	Unknown	5.5	Entire length	2021	Yes
Wolfpen Branch	WVBST-70-M-3	CNA-Biological	Unknown	1.6	Entire length	2016	Yes
Little Slate Creek	WVBST-70-N	Fecal Coliform	Unknown	6.8	Entire length	2021	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Jacobs Fork	WVBST-70-W	Fecal Coliform	Unknown	10.6	Entire length	2021	Yes
Mountain Fork	WVBST-70-W-1-A	CNA-Biological	Unknown	4.2	Entire length	2016	Yes
Middle Fork/Big Creek	WVBST-70-W-1-G	CNA-Biological	Unknown	1.6	Entire length	2021	Yes
Beech Fork	WVBST-70-AA	CNA-Biological	Unknown	1.0	Entire length	2021	Yes
Clear Fork	WVBST-76	Fecal Coliform	Unknown	10.5	Entire length	2021	Yes
Spice Creek	WVBST-78	CNA-Biological	Unknown	5.7	Entire length	2021	Yes
Badway Branch	WVBST-78-G	CNA-Biological	Unknown	1.3	Entire length	2016	Yes
Davy Branch	WVBST-85	CNA-Biological	Unknown	4.1	Entire length	2021	Yes
		Fecal Coliform	Unknown	4.1	Entire length	2021	Yes
Upper Shannon Branch	WVBST-95	CNA-Biological	Unknown	2.4	Entire length	2016	Yes
Browns Creek	WVBST-98	CNA-Biological	Unknown	5.1	Entire length	2021	Yes
		Fecal Coliform	Unknown	5.1	Entire length	2021	Yes
Puncheoncamp Branch	WVBST-98-A	CNA-Biological	Unknown	3.0	Entire length	2021	Yes
Trail Fork	WVBST-98-B	Fecal Coliform	Unknown	2.4	Entire length	2021	Yes
Elkhorn Creek	WVBST-99	Iron (trout)	Unknown	22.7	Entire length	2021	Yes
Clark Branch	WVBST-99-J	Selenium	Unknown	1.8	Entire length	2026	No
North Fork/Elkhorn Creek	WVBST-99-L	Fecal Coliform	Unknown	8.0	Entire length	2021	Yes
Bearwallow Branch	WVBST-99-L-2	Selenium	Unknown	2.8	Entire length	2026	No
Rock Narrows Branch	WVBST-103	CNA-Biological	Unknown	1.7	Entire length	2016	Yes
Sandlick Creek	WVBST-109	Selenium	Unknown	5.3	Entire length	2021	Yes
UNT/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3	Selenium	Unknown	1.2	Entire length	2026	No
UNT/Tug Fork RM 145.75	WVBST-114.2	Selenium	Unknown	0.9	Entire length	2026	No
Little Creek	WVBST-120	Fecal Coliform	Unknown	4.2	Entire length	2021	Yes
Ballard Harmon Branch	WVBST-122	Selenium	Unknown	2.0	Entire length	2026	No
UNT/Ballard Harmon Branch RM 1.49	WVBST-122-A	Selenium	Unknown	0.5	Entire length	2026	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP D

GREENBRIER WATERSHED - HUC# 05050003

3 streams 109 miles

Greenbrier River	WVKNG	CNA-Algae	Unknown	102.8	Mouth to RM 102.78 (Beaver Ck)	2022	Yes
UNT/Stony Run RM 1.12	WVKNG-22-E-1-A.7-2	CNA-Biological	Unknown	1.5	Entire length	2022	Yes
Howard Creek	WVKNG-25	CNA-Biological	Unknown	6.2	Mouth to RM 6.2	2022	Yes

LITTLE KANAWHA WATERSHED - HUC# 05030203

1 Lake 968 acres 29 streams 364 miles

Little Kanawha River	WVLK	Fecal Coliform	Unknown	132.6	Mouth to RM 132.6 (Burnsville Dam)	2017	Yes
Burnsville Lake	WVLK-(L1)	Methylmercury	Unknown	968.0	Entire Lake	2027	No
Berry Run	WVLK-2-A	Fecal Coliform	Unknown	2.7	Entire length	2027	No
Gillespie Run	WVLK-2-D	Fecal Coliform	Unknown	3.6	Entire length	2027	No
Mill Run	WVLK-4	Fecal Coliform	Unknown	2.3	Entire length	2027	No
Walker Creek	WVLK-10	CNA-Biological	Unknown	15.6	Entire length	2022	Yes
Hughes River	WVLKH	Fecal Coliform	Unknown	13.8	Entire length	2027	No
		Iron	Unknown	13.8	Entire length	2027	No
Goose Creek	WVLKH-4	CNA-Biological	Unknown	10.0	Mouth to RM 10.0	2017	Yes
South Fork/Hughes River	WVLKH-9	CNA-Biological	Unknown	31.0	RM 1.9 to RM 32.0	2017	Yes
Indian Creek	WVLKH-9-J	CNA-Biological	Unknown	7.5	Mouth to RM 7.5	2017	Yes
Bone Creek	WVLKH-9-X	CNA-Biological	Unknown	7.8	entire length	2022	Yes
Middle Fork/South Fork/Hughes River	WVLKH-9-AA	CNA-Biological	Unknown	11.0	Entire length	2017	Yes
Beech Run	WVLKH-10-R-4-A	CNA-Biological	Unknown	1.3	Entire length	2022	Yes
Tanner Run	WVLK-31-X	Fecal Coliform	Unknown	4.4	Entire length	2022	Yes

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Laurel Run	WVLKW-15-F	CNA-Biological	Unknown	5.2	Entire length	2022	Yes
Sang Run	WVLKW-15-I-9	CNA-Biological	Unknown	1.6	Entire length	2022	Yes
Leading Creek	WVLK-40	CNA-Biological	Unknown	5.6	Mouth to RM 5.6	2017	Yes
Rush Run	WVLKS-4	CNA-Biological	Unknown	3.0	Entire length	2017	Yes
Right Fork/Steer Creek	WVLKS-9	CNA-Biological	Unknown	25.4	Entire length	2017	Yes
Left Fork/Steer Creek	WVLKS-10	CNA-Biological	Unknown	24.5	Entire length	2017	Yes
White Oak Run	WVLKS-10-D	CNA-Biological	Unknown	1.9	Entire length	2017	Yes
Steer Run	WVLKS-10-E	CNA-Biological	Unknown	5.1	Entire length	2017	Yes
Bender Run	WVLKS-10-P	CNA-Biological	Unknown	2.5	Entire length	2017	Yes
Tanner Creek	WVLK-66	CNA-Biological	Unknown	15.3	Entire length	2017	Yes
Butchers Run	WVLK-72-M	CNA-Biological	Unknown	2.5	Entire length	2022	Yes
Sand Fork	WVLK-75-N-5	CNA-Biological	Unknown	5.1	Entire length	2022	Yes
Copen Run	WVLK-90	CNA-Biological	Unknown	5.2	Entire length	2022	Yes
Right Fork/Little Kanawha River	WVLK-115	pH	Unknown	13.7	RM 0.4 to HW	2017	Yes
UNT/Little Kanawha River RM 165.34	WVLK-130.5	pH	Unknown	2.6	Entire length	2017	Yes
Getout Run	WVLK-131	pH	Unknown	2.5	Entire length	2017	Yes

LOWER NEW WATERSHED - HUC# 05050004
5 streams 19 miles

Fern Creek	WVKN-11	pH	Unknown	6.2	Entire length	2022	Yes
Hamilton Branch	WVKN-22-D-1	CNA-Biological	Unknown	2.9	Entire length	2022	Yes
Bowyer Creek	WVKN-26-M	CNA-Biological	Unknown	4.4	Entire length	2022	Yes
Owens Branch	WVKN-40	Fecal Coliform	Unknown	2.4	Entire length	2027	No
Tug Creek	WVKN-43	Fecal Coliform	Unknown	3.2	Entire length	2027	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
MONONGAHELA WATERSHED - HUC# 05020003						<i>93 streams 383 miles</i>	
Monongahela River (Upper)	WVM-up	Fecal Coliform	Unknown	37.5	Entire length	2017	Yes
Camp Run	WVM-2.1	Aluminum (d)	Unknown	3.2	Entire length	2013	No
UNT/Camp Run RM 0.79	WVM-2.1-A	Aluminum (d)	Unknown	1.5	Entire length	2013	No
		CNA-Biological	Unknown	1.5	Entire length	2013	Yes
		Iron	Unknown	1.5	Entire length	2013	No
		pH	Unknown	1.5	Entire length	2013	No
Crooked Run	WVM-2.5	Aluminum (d)	Unknown	3.2	Mouth to RM 3.2	2013	No
		Fecal Coliform	Unknown	5.4	Entire length	2013	No
		Iron	Unknown	3.2	Mouth to RM 3.2	2013	No
		pH	Unknown	3.2	Mouth to RM 3.2	2013	No
UNT/Crooked Run RM 2.27	WVM-2.5-B	Fecal Coliform	Unknown	2.0	Entire length	2013	No
		Iron	Unknown	2.0	Entire length	2013	No
UNT/Monongahela River RM 93.07	WVM-2.6	Aluminum (d)	Unknown	1.0	Entire length	2013	No
West Run	WVM-3	Aluminum (d)	Unknown	6.4	Entire length	2013	No
		Fecal Coliform	Unknown	6.4	Entire length	2013	No
UNT/West Run RM 0.91	WVM-3-A	Chloride	Unknown	1.1	Entire length	2013	No
		Fecal Coliform	Unknown	1.1	Entire length	2013	No
UNT/West Run RM 3.79	WVM-3-D	Aluminum (d)	Unknown	2.4	Entire length	2013	No
		Fecal Coliform	Unknown	2.4	Entire length	2013	No
		Iron	Unknown	2.4	Entire length	2013	No
		pH	Unknown	2.4	Entire length	2013	No
Robinson Run	WVM-4	Fecal Coliform	Unknown	4.4	Entire length	2013	No
Crafts Run	WVM-4-A	Aluminum (d)	Unknown	2.6	Entire length	2013	No
UNT/Robinson Run RM 1.09	WVM-4-B	Aluminum (d)	Unknown	1.2	Entire length	2013	No
Scotts Run	WVM-6	Fecal Coliform	Unknown	6.0	Entire length	2013	No

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Wades Run	WVM-6-A	Fecal Coliform	Unknown	2.8	Entire length	2013	No
		Iron	Unknown	2.8	Entire length	2013	No
Guston Run	WVM-6-B	Fecal Coliform	Unknown	2.6	Entire length	2013	No
		Iron	Unknown	2.6	Entire length	2013	No
UNT/Scotts Run RM 3.58	WVM-6-F	Iron	Unknown	0.5	Mouth to RM 0.5	2027	No
UNT/Scotts Run RM 4.17	WVM-6-G	Iron	Unknown	1.0	Entire length	2013	No
UNT/Scotts Run RM 4.79	WVM-6-H	Fecal Coliform	Unknown	1.4	Entire length	2013	No
		Iron	Unknown	1.4	Entire length	2013	No
UNT/Monongahela River RM 99.49 (Popenoe Run)	WVM-6.2	Chloride	Unknown	3.4	Entire length	2013	No
		Fecal Coliform	Unknown	3.4	Entire length	2013	No
Dents Run	WVM-7	Fecal Coliform	Unknown	9.2	Entire length	2013	No
Flaggy Meadow Run	WVM-7-A	Fecal Coliform	Unknown	1.0	Entire length	2013	No
UNT/Dents Run RM 3.60	WVM-7-C	Aluminum (d)	Unknown	0.6	Entire length	2013	No
Falling Run	WVM-7.7	Fecal Coliform	Unknown	0.5	Entire length	2013	No
Deckers Creek	WVM-8	DO	Unknown	2.0	RM 18.5 to RM 20.5	2013	No
		Fecal Coliform	Unknown	17.3	Mouth to RM 5.7 and RM 8.9 to RM 20.5	2013	No
Hartman Run	WVM-8-0.5A	Fecal Coliform	Unknown	1.6	Entire length	2013	No
Aaron Creek	WVM-8-A	Fecal Coliform	Unknown	8.4	Entire length	2013	No
Knocking Run	WVM-8-A.5	Fecal Coliform	Unknown	2.0	Entire length	2013	No
UNT/Deckers Creek RM 5.70	WVM-8-A.7	Fecal Coliform	Unknown	2.2	Entire length	2013	No
Tibbs Run	WVM-8-B	Fecal Coliform	Unknown	5.3	Entire length	2013	No
Glady Run	WVM-8-D	Aluminum (d)	Unknown	1.4	Entire length	2013	No
Slabcamp Run	WVM-8-F	Aluminum (d)	Unknown	1.4	Entire length	2013	No

WEST VIRGINIA
2012 Section 303(d) List
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Dillan Creek	WVM-8-G	Aluminum (d)	Unknown	2.8	RM 2.6 (abv impoundment) to HW	2013	No
		Fecal Coliform	Unknown	2.1	Mouth to RM 2.1 (below impoundment)	2013	No
		pH	Unknown	5.4	Entire length	2013	Yes
Laurel Run/Deckers Creek	WVM-8-H	Aluminum (d)	Unknown	3.5	Entire length	2013	No
Kanes Creek	WVM-8-I	Aluminum (d)	Unknown	4.3	Entire length	2013	No
UNT/Kanes Creek RM 2.36	WVM-8-I-0.9	Aluminum (d)	Unknown	0.6	Entire length	2013	Yes
		Iron	Unknown	0.6	Entire length	2013	No
		pH	Unknown	0.6	Entire length	2013	Yes
UNT/Kanes Creek RM 2.49	WVM-8-I-1	Aluminum (d)	Unknown	0.8	Entire length	2013	Yes
		Iron	Unknown	0.8	Entire length	2013	Yes
		pH	Unknown	0.8	Entire length	2013	Yes
UNT/Deckers Creek RM 18.48	WVM-8-J	Lead	Unknown	1.5	Entire length	2017	Yes
Cobun Creek	WVM-9	Fecal Coliform	Unknown	6.2	Mouth to RM 6.2	2013	No
Owl Creek	WVM-10-D	Aluminum (d)	Unknown	4.0	Entire length	2013	No
UNT/Booths Creek RM 6.27	WVM-10-F	Aluminum (d)	Unknown	1.0	Entire length	2013	No
UNT/Booths Creek RM 7.43	WVM-10-I	Fecal Coliform	Unknown	3.1	Entire length	2013	No
Brand Run	WVM-11	Aluminum (d)	Unknown	2.4	Entire length	2013	No
Flaggy Meadow Run	WVM-14	Chloride	Unknown	2.2	Mouth to RM 2.2	2013	No
		Fecal Coliform	Unknown	3.0	Entire length	2013	No
UNT/Flaggy Meadow Run RM 2.15	WVM-14-D	Chloride	Unknown	0.8	Entire length	2013	No
Birchfield Run	WVM-15	Aluminum (d)	Unknown	2.3	Entire length	2013	No
Whiteday Creek	WVM-16	Iron (trout)	Unknown	7.2	RM 12.3 to HW	2013	No
UNT/Whiteday Creek RM 1.68	WVM-16-0.8A	Fecal Coliform	Unknown	1.2	Entire length	2013	No
Laurel Run/Whiteday Creek	WVM-16-D	Fecal Coliform	Unknown	2.6	Entire length	2013	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Indian Creek	WVM-17	CNA-Biological	Unknown	9.4	Entire length	2013	Yes
		Fecal Coliform	Unknown	9.4	Entire length	2013	No
Little Indian Creek	WVM-17-A	Fecal Coliform	Unknown	5.6	Entire length	2013	No
UNT/Indian Creek RM 7.23	WVM-17-E	Fecal Coliform	Unknown	1.5	Entire length	2013	No
Prickett Creek	WVM-19	Fecal Coliform	Unknown	13.6	Entire length	2013	No
Scratchers Run	WVM-19-A	Fecal Coliform	Unknown	3.0	Entire length	2013	No
Grassy Run	WVM-19-E	CNA-Biological	Unknown	2.5	Entire length	2013	No
		Fecal Coliform	Unknown	2.5	Entire length	2013	No
Tunnel Hollow	WVM-19-J	Selenium	Unknown	0.8	Entire length	2023	No
Parker Run	WVM-20	Aluminum (d)	Unknown	2.6	Entire length	2013	No
		Fecal Coliform	Unknown	2.6	Entire length	2013	No
UNT/Monongahela River RM 123.45	WVM-20.2	Aluminum (d)	Unknown	1.0	Entire length	2013	No
Pharaoh Run	WVM-21	Fecal Coliform	Unknown	3.3	Entire length	2013	No
Paw Paw Creek	WVM-22	Chloride	Unknown	1.8	RM 10.3 to RM 12.1	2013	No
		CNA-Biological	Unknown	14.4	Entire length	2013	Yes
		Fecal Coliform	Unknown	14.4	Entire length	2013	No
Little Paw Paw Creek	WVM-22-A	Fecal Coliform	Unknown	7.4	Entire length	2013	No
Arnett Run	WVM-22-A.5	Iron	Unknown	1.2	Entire length	2013	No
		Selenium	Unknown	1.2	Entire length	2013	No
Bennefield Prong	WVM-22-H	Fecal Coliform	Unknown	2.4	Entire length	2013	No
Sugar Run	WVM-22-K	Fecal Coliform	Unknown	2.2	Entire length	2013	No
UNT/Monongahela River RM 126.94	WVM-22.9	Aluminum (d)	Unknown	0.5	Entire length	2027	No
		pH	Unknown	0.5	Entire length	2027	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Buffalo Creek	WVM-23	Chloride	Unknown	30.2	Entire length	2013	No
		CNA-Biological	Unknown	30.2	Entire length	2013	Yes
		Fecal Coliform	Unknown	30.2	Entire length	2013	No
		Iron	Unknown	30.2	Entire length	2013	No
Finchs Run	WVM-23-B	Fecal Coliform	Unknown	4.0	Entire length	2013	No
UNT/Finchs Run RM 1.15	WVM-23-B-1	CNA-Biological	Unknown	1.6	Entire length	2013	Yes
		Fecal Coliform	Unknown	1.6	Entire length	2013	No
		Iron	Unknown	1.6	Entire length	2013	No
Moody Run	WVM-23-C	Fecal Coliform	Unknown	1.9	Entire length	2013	No
Dunkard Mill Run	WVM-23-E	Fecal Coliform	Unknown	4.8	Entire length	2013	No
		Iron	Unknown	4.8	Entire length	2013	No
Bethel Run	WVM-23-E-0.5	Fecal Coliform	Unknown	3.4	Entire length	2013	No
UNT/Bethel Run RM 0.80	WVM-23-E-0.5-A	CNA-Biological	Unknown	1.7	Entire length	2013	Yes
		Fecal Coliform	Unknown	1.7	Entire length	2013	No
Little Laurel Run	WVM-23-F	Fecal Coliform	Unknown	1.4	Entire length	2013	No
		Iron	Unknown	1.4	Entire length	2013	No
Plum Run	WVM-23-I	Fecal Coliform	Unknown	6.2	Entire length	2013	No
		Iron	Unknown	6.2	Entire length	2013	No
Mod Run	WVM-23-K	DO	Unknown	4.0	Entire length	2013	No
		Fecal Coliform	Unknown	4.0	Entire length	2013	No
Mahan Run	WVM-23-L	CNA-Biological	Unknown	3.6	Entire length	2013	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2013	No
Flaggy Meadow Run	WVM-23-N	Fecal Coliform	Unknown	2.5	Entire length	2013	No
Fleming Fork	WVM-23-N-1	Fecal Coliform	Unknown	1.5	Entire length	2013	No
Pyles Fork	WVM-23-O	CNA-Biological	Unknown	11.0	Entire length	2013	Yes
		Fecal Coliform	Unknown	11.0	Entire length	2013	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Flat Run	WVM-23-O-3	Chloride	Unknown	5.0	Entire length	2013	No
		Fecal Coliform	Unknown	5.0	Entire length	2013	No
Llewellyn Run	WVM-23-O-3-A	Chloride	Unknown	2.6	Entire length	2013	No
State Road Fork	WVM-23-O-5	Fecal Coliform	Unknown	3.9	Entire length	2013	No
Campbell Run	WVM-23-O-7	CNA-Biological	Unknown	3.0	Entire length	2013	Yes
		Fecal Coliform	Unknown	3.0	Entire length	2013	No
Dents Run	WVM-23-P	CNA-Biological	Unknown	5.1	Entire length	2013	Yes
		Fecal Coliform	Unknown	5.1	Entire length	2013	No
		Iron	Unknown	5.1	Entire length	2013	No
Whetstone Run	WVM-23-Q	CNA-Biological	Unknown	2.6	Entire length	2013	Yes
		Fecal Coliform	Unknown	2.6	Entire length	2013	No
Joes Run	WVM-23-R	Fecal Coliform	Unknown	1.8	Entire length	2013	No
UNT/Buffalo Creek RM 23.53	WVM-23-T.3	Chloride	Unknown	1.1	Entire length	2013	No
Owen Davy Fork	WVM-23-W	Fecal Coliform	Unknown	4.0	Entire length	2013	No
Bartholomew Fork	WVM-23-X	Fecal Coliform	Unknown	6.1	Entire length	2013	No
Warrior Fork	WVM-23-Y	Fecal Coliform	Unknown	3.8	Entire length	2013	No
Evans Run	WVM-23-Y-1	Fecal Coliform	Unknown	2.5	Entire length	2013	No
Hickman Run	WVM-24	Fecal Coliform	Unknown	3.8	Entire length	2013	No
		Iron	Unknown	3.8	Entire length	2013	No
Coal Run	WVM-25	Fecal Coliform	Unknown	1.0	Entire length	2013	No
UNT/Monongahela River RM 128.55	WVM-25.9	Fecal Coliform	Unknown	1.2	Entire length	2013	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UPPER NEW WATERSHED - HUC# 05050002							<i>5 streams 78 miles</i>
Bluestone River	WVKNB	PCBs	Unknown	67.1	Entire length	2017	Yes
UNT/Jumping Branch RM 2.48	WVKNB-3-C-1-E	CNA-Biological	Unknown	0.9	Entire length	2022	Yes
Widemouth Creek	WVKNB-28	Iron (trout)	Unknown	6.6	Entire length	2022	Yes
Belcher Branch	WVKNB-30-C	Selenium	Unknown	2.2	Entire length	2027	No
East River	WVKN-60	CNA-Biological	Unknown	6.9	RM 16.0 to HW	2022	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP E

BIG SANDY WATERSHED - HUC# 05070204

11 streams 62 miles

Big Sandy River	WVBS	Iron	Unknown	26.6	Entire length	2018	Yes
Miller Creek	WVBS-1	CNA-Biological	Unknown	1.7	Entire length	2018	Yes
		Fecal Coliform	Unknown	1.7	Entire length	2023	No
Cedar Run	WVBS-3	CNA-Biological	Unknown	1.5	Entire length	2018	Yes
Whites Creek	WVBS-5	CNA-Biological	Unknown	8.8	Entire length	2018	Yes
Gragston Creek	WVBS-6	CNA-Biological	Unknown	6.5	Entire length	2018	Yes
Elijah Creek	WVBS-7	CNA-Biological	Unknown	2.2	Entire length	2018	Yes
Gilkerson Branch	WVBS-7-B	CNA-Biological	Unknown	1.2	Entire length	2018	Yes
Hurricane Creek	WVBS-8	CNA-Biological	Unknown	7.9	Entire length	2018	Yes
Sugar Branch	WVBS-8-0.7A	CNA-Biological	Unknown	0.8	Entire length	2018	Yes
Tabor Creek	WVBS-10	CNA-Biological	Unknown	3.8	RM 1.0 to RM 4.8	2018	Yes
Redhead Branch	WVBS-13	CNA-Biological	Unknown	0.7	Entire length	2018	Yes

CACAPON WATERSHED - HUC# 02070003

7 streams 76 miles

Cacapon River	WVPC	CNA-Algae	Unknown	37.0	RM 39 (North R.) to RM 76 (Rte 259 bridge near Wardensville)	2023	No
Hiett Run	WVPC-7-D	CNA-Biological	Unknown	5.7	Entire length	2018	Yes
UNT/Bearwallow Creek RM 0.98	WVPC-7-F-1-B	CNA-Biological	Unknown	3.4	Entire length	2018	Yes
UNT/Mill Branch RM 1.99	WVPC-12-B	CNA-Biological	Unknown	2.6	Entire length	2023	Yes
Upper Cove Run	WVPC-24-K	CNA-Biological	Unknown	1.2	Mouth to RM 1.2	2018	Yes
Dawson Run	WVP-18.5	CNA-Biological	Unknown	2.9	Entire length	2023	Yes
Little Cacapon River	WVP-19	CNA-Biological	Unknown	23.3	RM 5.7 to HW	2018	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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DUNKARD WATERSHED - HUC# 05020005**12 streams 39 miles**

Days Run	WVM-1-C	Selenium	Unknown	3.6	RM 4.8 to HW	2023	No
UNT/Shriver Run RM 0.62	WVM-1-C-3-0.7A	Selenium	Unknown	0.9	Entire length	2023	No
UNT/Building Run RM 0.47	WVM-1-C-3-A-1	Selenium	Unknown	0.4	Entire length	2023	No
Miracle Run	WVM-1-E	CNA-Biological	Mining	7.6	Entire length	*TBD	Yes
Right Branch/Miracle Run	WVM-1-E-2	Selenium	Unknown	8.8	Entire length	2023	No
UNT/Miracle Run RM 4.89	WVM-1-E-4.7	Selenium	Unknown	0.8	Entire length	2023	No
Building Run	WVM-1-E-5	CNA-Biological	Mining	1.3	Entire length	*TBD	Yes
West Virginia Fork/Dunkard Creek	WVM-1-F	CNA-Biological	Mining	5.8	Entire length	*TBD	Yes
Shriver Run	WVM-1-F-4	Selenium	Unknown	1.8	Entire length	2023	No
Range Run	WVM-1-F-5	Selenium	Unknown	1.5	Mouth to RM 1.5	2023	No
South Fork/West Virginia Fork/Dunkard Creek	WVM-1-F-7	CNA-Biological	Mining	4.8	Entire length	*TBD	Yes
UNT/South Fork RM 2.94/West Virginia Fork	WVM-1-F-7-F	Selenium	Unknown	1.7	Entire length	2023	No

LOWER OHIO WATERSHED - HUC# 05090101**14 streams 129 miles**

Ohio River (Lower)	WVO-lo	Bacteria	Unknown	48.8	MP 317.3 to MP 306.4; 303.6-265.7	2014	Yes
		Iron	Unknown	13.5	MP 279.2 to MP 265.7	2018	Yes
Fourpole Creek	WVO-3	CNA-Biological	Unknown	11.7	Entire length	2018	Yes
Sevenmile Creek	WVO-6	CNA-Biological	Unknown	5.9	Entire length	2018	Yes
Ninemile Creek	WVO-7	CNA-Biological	Unknown	7.0	Mouth to RM 7.0	2018	Yes

* TBD - To be determined. TMDLs will be developed as soon as practicable after the effective date of rules enacted pursuant to Senate Bill 562.

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Guyan Creek	WVO-9	CNA-Biological	Unknown	12.5	Mouth to RM 12.5	2018	Yes
Spurlock Creek	WVO-9-A	CNA-Biological	Unknown	5.5	Entire length	2018	Yes
McCowan Branch	WVO-9-B	CNA-Biological	Unknown	2.5	Entire length	2018	Yes
Rocky Fork	WVO-10-A	CNA-Biological	Unknown	2.7	Entire length	2018	Yes
Mud Run	WVO-10-D	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2018	Yes
Sixteenmile Creek	WVO-11	CNA-Biological	Unknown	13.2	Mouth to RM 13.2	2018	Yes
Stonecoal Run	WVO-11-A	CNA-Biological	Unknown	2.5	Entire length	2018	Yes
Crab Creek	WVO-13	CNA-Biological	Unknown	6.7	Mouth to RM 6.7	2018	Yes
Mud Run	WVO-13-A	CNA-Biological	Unknown	4.4	Entire length	2018	Yes
Middle Fork/Crab Creek	WVO-13-D	CNA-Biological	Unknown	4.3	Entire length	2018	Yes

TWELVEPOLE WATERSHED - HUC# 05090102**36 streams 209 miles**

Twelvepole Creek	WVO-2	CNA-Biological	Unknown	19.1	RM 13.9 to HW	2018	Yes
		Fecal Coliform	Unknown	33.0	Entire length	2018	Yes
		Iron	Unknown	33.0	Entire length	2018	Yes
Krout Creek	WVO-2-0.1A	CNA-Biological	Unknown	2.4	Entire length	2018	Yes
UNT/Twelvepole Creek RM 5.72	WVO-2-0.8A	CNA-Biological	Unknown	2.0	Entire length	2018	Yes
Buffalo Creek	WVO-2-C	CNA-Biological	Unknown	6.6	Entire length	2018	Yes
Camp Creek	WVO-2-G	CNA-Biological	Unknown	3.4	Entire length	2018	Yes
Right Fork/Camp Creek	WVO-2-G-1	CNA-Biological	Unknown	2.6	Entire length	2018	Yes
Beech Fork	WVO-2-H	CNA-Biological	Unknown	20.2	Mouth to RM 3.7 (dam) and Lake backwaters to HW	2018	Yes
Rubens Branch	WVO-2-H-3	CNA-Biological	Unknown	1.3	RM 0.7 to HW	2018	Yes
Long Branch	WVO-2-H-7	CNA-Biological	Unknown	3.6	Entire length	2018	Yes
Butler Branch	WVO-2-H-8	CNA-Biological	Unknown	1.8	Entire length	2018	Yes
Lynn Creek	WVO-2-I	CNA-Biological	Unknown	3.0	Entire length	2023	Yes
Shoal Branch	WVO-2-M	CNA-Biological	Unknown	1.1	Entire length	2018	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Left Fork/Wilson Creek	WVO-2-N-1	CNA-Biological	Unknown	2.2	Entire length	2018	Yes
Toms Creek	WVO-2-O	CNA-Biological	Unknown	2.6	Entire length	2018	Yes
West Fork/Twelvepole Creek	WVO-2-P	CNA-Biological	Unknown	58.4	Entire length	2018	Yes
Big Branch	WVO-2-P-1	CNA-Biological	Unknown	2.2	Entire length	2018	Yes
Trace Fork	WVO-2-P-4	CNA-Biological	Unknown	4.5	Entire length	2018	Yes
Billy Branch	WVO-2-P-12	CNA-Biological	Unknown	2.8	Entire length	2018	Yes
Wells Branch	WVO-2-P-19	CNA-Biological	Unknown	1.7	Entire length	2018	Yes
Moses Fork	WVO-2-P-21	CNA-Biological	Unknown	3.7	Mouth to RM 3.7	2018	Yes
Right Fork/Moses Fork	WVO-2-P-21-C	CNA-Biological	Unknown	1.7	Entire length	2018	Yes
Breeden Creek	WVO-2-P-36	CNA-Biological	Unknown	3.2	Entire length	2018	Yes
Moses Fork	WVO-2-P-43	CNA-Biological	Unknown	2.5	Entire length	2018	Yes
East Fork/Twelvepole Creek	WVO-2-Q	CNA-Biological	Unknown	14.8	RM 4.4 to RM 10.5 (East Lynn Dam) and RM 41.3 to HW	2018	Yes
Lynn Creek	WVO-2-Q-9	CNA-Biological	Unknown	1.9	Entire length	2018	Yes
Rich Creek	WVO-2-Q-14	Iron	Unknown	3.5	Entire length	2018	Yes
Cove Creek	WVO-2-Q-17	CNA-Biological	Unknown	4.8	Entire length	2018	Yes
Kiah Creek	WVO-2-Q-18	CNA-Biological	Unknown	7.9	RM 3.9 to RM 11.8	2018	Yes
Parker Branch	WVO-2-Q-18-D	CNA-Biological	Unknown	1.4	Mouth to RM 1.4 (below impoundment)	2018	Yes
Rollem Fork	WVO-2-Q-18-E	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2018	Yes
Frances Creek	WVO-2-Q-18-F	CNA-Biological	Unknown	3.6	Entire length	2023	Yes
Copley Trace Branch	WVO-2-Q-18-G	CNA-Biological	Unknown	1.5	Mouth to RM 1.5	2018	Yes
Jims Branch	WVO-2-Q-18-H	CNA-Biological	Unknown	0.9	Mouth to RM 0.9	2023	Yes
Maynard Branch	WVO-2-Q-23	CNA-Biological	Unknown	0.2	Mouth to RM 0.2	2018	Yes
Honey Branch	WVO-2-Q-29	CNA-Biological	Unknown	0.2	Mouth to RM 0.2 (below impoundment)	2018	Yes
Right Fork/Cub Branch	WVO-2-Q-31-A	CNA-Biological	Unknown	0.6	Mouth to RM 0.6	2018	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UPPER GUYANDOTTE WATERSHED - HUC# 05070101					1 Lake 630 acres 62 streams 225 miles		
Island Creek	WVOG-65	CNA-Biological	Unknown	18.1	Entire length	2018	Yes
Rockhouse Branch	WVOG-65-B-1-F	CNA-Biological	Unknown	2.3	Entire length	2018	Yes
Whitman Creek	WVOG-65-B-2	CNA-Biological	Unknown	6.8	Entire length	2018	Yes
		Selenium	Unknown	3.0	RM 3.8 to HW	2023	No
Skifus Branch	WVOG-65-B-2-C	Selenium	Unknown	0.8	Entire length	2023	No
UNT/Trace Fork RM 2.95	WVOG-65-B-4-G	Selenium	Unknown	0.7	Entire length	2023	No
Curry Branch	WVOG-65-B-5	CNA-Biological	Unknown	0.9	Entire length	2018	Yes
Mill Creek	WVOG-65-C	CNA-Biological	Unknown	1.6	Entire length	2018	Yes
Pine Creek	WVOG-65-H	CNA-Biological	Unknown	6.4	Entire length	2023	Yes
		Selenium	Unknown	6.4	Entire length	2023	No
Right Fork/Pine Creek	WVOG-65-H-1	CNA-Biological	Unknown	2.9	Entire length	2018	Yes
		Selenium	Unknown	2.9	Entire length	2023	No
Left Fork/Pine Creek	WVOG-65-H-3	Selenium	Unknown	2.4	Entire length	2023	No
UNT/Pine Creek RM 5.96	WVOG-65-H-5	Selenium	Unknown	0.7	Entire length	2023	No
Cow Creek	WVOG-65-J	CNA-Biological	Unknown	5.8	Mouth to RM 5.8	2018	Yes
Lower Dempsey Branch	WVOG-65-L.5	CNA-Biological	Unknown	1.1	Entire length	2018	Yes
Dingess Run	WVOG-68	CNA-Biological	Unknown	7.4	Entire length	2023	Yes
		Selenium	Unknown	6.3	Mouth to RM 6.3	2023	No
Freeze Fork	WVOG-68-G	Selenium	Unknown	2.1	Entire length	2023	No
Georges Creek	WVOG-68-H	Selenium	Unknown	1.5	Mouth to RM 1.5	2023	No
UNT/Georges Creek RM 1.07	WVOG-68-H-1	Selenium	Unknown	1.2	Entire length	2023	No
Rum Creek	WVOG-70	CNA-Biological	Unknown	8.8	Entire length	2023	Yes
		Selenium	Unknown	8.8	Entire length	2023	Yes
Right Hand Fork/Rum Creek	WVOG-70-A	CNA-Biological	Unknown	4.0	Entire length	2018	Yes
Burgess Branch	WVOG-70-A-1	CNA-Biological	Unknown	1.5	Entire length	2023	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Slab Fork	WVOG-70-B	Selenium	Unknown	4.0	Entire length	2023	No
Camp Branch	WVOG-71.5	CNA-Biological	Unknown	1.9	Entire length	2018	Yes
Right Fork/Buffalo Creek	WVOG-75-A	CNA-Biological	Unknown	8.1	Entire length	2018	Yes
		Selenium	Unknown	8.1	Entire length	2023	No
Perry Branch	WVOG-75-A-1	CNA-Biological	Unknown	1.4	Entire length	2023	Yes
UNT/Buffalo Creek RM 5.15	WVOG-75-C.3	Selenium	Unknown	1.0	Entire length	2023	No
UNT/Mudlick Branch RM 0.54	WVOG-75-C.5-1	Selenium	Unknown	0.8	Entire length	2023	No
Robinette Branch	WVOG-75-D	CNA-Biological	Unknown	1.5	Entire length	2018	Yes
Dingess Branch	WVOG-75-H	Selenium	Unknown	2.9	Entire length	2023	No
Middle Fork/Buffalo Creek	WVOG-75-L	CNA-Biological	Unknown	2.2	Entire length	2018	Yes
Paynter Branch	WVOG-76-M	CNA-Biological	Unknown	2.5	Entire length	2018	Yes
		Selenium	Unknown	2.5	Entire length	2023	No
UNT/Paynter Branch RM 1.86	WVOG-76-M-3	Selenium	Unknown	0.8	Entire length	2023	No
Road Branch	WVOG-76-O	Selenium	Unknown	2.5	Entire length	2023	No
UNT/Road Branch RM 1.79	WVOG-76-O-3	Selenium	Unknown	0.5	Entire length	2023	No
Lefthand Fork/Rockhouse Creek	WVOG-77-D	CNA-Biological	Unknown	2.4	Entire length	2018	Yes
Right Fork/Sandlick Creek	WVOG-78-A	CNA-Biological	Unknown	1.3	Entire length	2018	Yes
Spice Creek	WVOG-82	CNA-Biological	Unknown	1.8	Entire length	2018	Yes
Stafford Branch	WVOG-88	CNA-Biological	Unknown	1.4	Entire length	2018	Yes
Browning Fork	WVOG-89-B-1	CNA-Biological	Unknown	4.4	Entire length	2018	Yes
Little Huff Creek	WVOG-92	CNA-Biological	Unknown	7.9	Mouth to RM 7.9	2018	Yes
Little Cub Creek	WVOG-92-B	CNA-Biological	Unknown	2.8	Entire length	2018	Yes
Suke Creek	WVOG-92-M	CNA-Biological	Unknown	2.4	Entire length	2018	Yes
R D Bailey Lake	WVOG-(L1)	PCBs	Unknown	630.0	Entire Lake	2018	Yes
Long Branch	WVOG-97	CNA-Biological	Unknown	2.7	Entire length	2018	Yes
Chestnut Flats Branch	WVOGC-16-B-1	CNA-Biological	Unknown	1.0	Entire length	2018	Yes

WEST VIRGINIA**2012 Section 303(d) List****WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Cabin Branch	WVOGC-16-C	CNA-Biological	Unknown	2.0	Entire length	2018	Yes
Tom Bailey Branch	WVOGC-16-J-1	CNA-Biological	Unknown	2.0	Entire length	2018	Yes
White Oak Branch	WVOGC-16-N	CNA-Biological	Unknown	1.9	Entire length	2018	Yes
Franks Fork	WVOGC-16-U	CNA-Biological	Unknown	1.8	Entire length	2018	Yes
Indian Creek	WVOG-110	CNA-Biological	Unknown	19.7	Entire length	2023	Yes
Rockcastle Creek	WVOG-123	CNA-Biological	Unknown	4.0	Mouth to RM 4.0	2018	Yes
Little Pinnacle Creek	WVOG-124-P	CNA-Biological	Unknown	3.4	Entire length	2018	Yes
Sugar Run	WVOG-125	CNA-Biological	Unknown	2.1	Entire length	2018	Yes
Marsh Fork	WVOG-127-D	CNA-Biological	Unknown	3.5	Entire length	2018	Yes
Barkers Creek	WVOG-131	Fecal Coliform	Unknown	8.0	Entire length	2023	Yes
Mill Branch	WVOG-131-C	CNA-Biological	Unknown	2.6	Entire length	2018	Yes
Marsh Fork	WVOG-134-C	CNA-Biological	Unknown	3.9	Entire length	2018	Yes
Big Branch	WVOG-136	CNA-Biological	Unknown	0.4	Mouth to RM 0.4	2018	Yes
Devils Fork	WVOG-137	Fecal Coliform	Unknown	4.9	Entire length	2023	Yes
Wiley Spring Branch	WVOG-137-C	CNA-Biological	Unknown	3.5	RM 0.7 to HW	2018	Yes
Winding Gulf	WVOG-138	Fecal Coliform	Unknown	15.5	Entire length	2023	Yes
Berry Branch	WVOG-138-A	Fecal Coliform	Unknown	2.9	Entire length	2023	No
Mullens Branch	WVOG-138-E	CNA-Biological	Unknown	1.4	Entire length	2018	Yes
Tommy Creek	WVOG-139-A	CNA-Biological	Unknown	6.2	Mouth to RM 6.2	2018	Yes

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UPPER OHIO SOUTH WATERSHED - HUC# 05030106						16 streams 110 miles	
Ohio River (Upper South)	WVO-us	Bacteria	Unknown	42.4	MP 113.8 to MP 71.4 (Entire length)	2014	Yes
		Dioxin	Unknown	42.4	MP 113.8 to MP 71.4 (Entire length)	2015	Yes
Fish Creek	WVO-77	CNA-Biological	Unknown	9.9	RM 16.7 to HW	2023	Yes
Conner Run	WVO-77-A	CNA-Biological	Unknown	3.2	Entire length	2018	Yes
Bark Camp Run	WVO-77-H-0.8	CNA-Biological	Unknown	1.6	Entire length	2018	Yes
West Virginia Fork/Fish Creek	WVO-77-O	CNA-Biological	Unknown	22.0	Entire length	2023	Yes
Church Fork	WVO-77-O-11	CNA-Biological	Unknown	3.6	Entire length	2023	Yes
Boggs Run	WVO-86	CNA-Biological	Mining	4.2	Entire length	*TBD	Yes
Browns Run	WVO-86-A	CNA-Biological	Mining	1.7	Entire length	*TBD	Yes
UNT/Boggs Run RM 2.69	WVO-86-C	CNA-Biological	Mining	1.4	Entire length	*TBD	Yes
UNT/Wheeling Creek RM 25.77	WVO-88-M.3	CNA-Biological	Mining	1.5	Entire length	*TBD	Yes
Graeb Hollow	WVO-89-A	CNA-Biological	Mining	1.3	Entire length	*TBD	Yes
Short Creek	WVO-90	CNA-Biological	Mining	10.3	Entire length	*TBD	Yes
Girty Run	WVO-90-A	CNA-Biological	Mining	2.0	Entire length	*TBD	Yes
North Fork/Short Creek	WVO-90-D	CNA-Biological	Mining	4.4	Entire length	*TBD	Yes
Huff Run	WVO-90-D-1	CNA-Biological	Mining	2.0	Entire length	*TBD	Yes
UNT/Ohio River MP 79.4	WVO-91	CNA-Biological	Mining	1.0	Entire length	*TBD	Yes

* TBD - To be determined. TMDLs will be developed as soon as practicable after the effective date of rules enacted pursuant to Senate Bill 562.

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
WEST FORK WATERSHED - HUC# 05020002				1 Lake 2650 acres 186 streams 772 miles			
West Fork River	WVMW	CNA-Biological	Unknown	74.4	Mouth to RM 74.4 (Stonewall Jackson Dam)	2014	Yes
		Fecal Coliform	Unknown	85.3	Mouth to RM 74.4 (Stonewall Jackson Dam) and from RM 93 (Stonewall Jackson Lake) to HW	2014	Yes
Stonewall Jackson Lake	WVMW-(L1)	Methylmercury	Unknown	2650.0	Entire Lake	2023	No
Mill Fall Run	WVMW-1	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Booths Creek	WVMW-2	Fecal Coliform	Unknown	8.6	Entire length	2014	No
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/Booths Creek RM 4.11	WVMW-2-0.6A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Booths Creek RM 4.81	WVMW-2-0.8A	Iron	Unknown	0.8	Entire length	2014	No
Hog Lick Run	WVMW-2-A	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Sapp Run	WVMW-2-B	Fecal Coliform	Unknown	2.5	Entire length	2014	No
		Iron	Unknown	2.5	Entire length	2014	No
Purdys Run	WVMW-2-D-1	Aluminum (d)	Unknown	1.4	Entire length	2014	No
Hustead Fork	WVMW-2-E	Fecal Coliform	Unknown	9.0	Entire length	2014	No
		Iron	Unknown	9.0	Entire length	2014	No
Corbin Branch	WVMW-2-F	Fecal Coliform	Unknown	9.0	Entire length	2014	No
Thomas Fork	WVMW-2-G	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Coons Run	WVMW-3	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Helens Run	WVMW-4	Fecal Coliform	Unknown	4.0	Entire length	2014	No
Tevebaugh Creek	WVMW-5	Fecal Coliform	Unknown	4.6	Entire length	2014	No
Camp Run	WVMW-6	Fecal Coliform	Unknown	2.2	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Bingamon Creek	WVMW-7	Chloride	Unknown	3.1	RM 11.5 to HW	2014	No
		CNA-Biological	Unknown	14.6	Entire length	2014	Yes
		Fecal Coliform	Unknown	14.6	Entire length	2014	No
Little Bingamon Creek	WVMW-7-A	Fecal Coliform	Unknown	6.0	Entire length	2014	No
		Iron	Unknown	6.0	Entire length	2014	No
UNT/Little Bingamon Creek RM 1.59	WVMW-7-A-2	Fecal Coliform	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No
Long Run	WVMW-7-B	CNA-Biological	Unknown	2.0	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
Elklick Run	WVMW-7-C	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Cunningham Run	WVMW-7-D	CNA-Biological	Unknown	2.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.4	Entire length	2014	No
Glade Fork	WVMW-7-F	CNA-Biological	Unknown	5.0	Entire length	2014	Yes
		Fecal Coliform	Unknown	5.0	Entire length	2014	No
Coal Lick Run	WVMW-7-F-1	CNA-Biological	Unknown	2.2	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.2	Entire length	2014	No
Quaker Fork	WVMW-7-G	Fecal Coliform	Unknown	3.0	Entire length	2014	No
Harris Fork	WVMW-7-H	Chloride	Unknown	1.8	Entire length	2014	No
		Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Harris Fork RM 0.65	WVMW-7-H-2	Chloride	Unknown	0.8	Entire length	2014	No
UNT/West Fork River RM 11.44	WVMW-7.1	Fecal Coliform	Unknown	0.7	Entire length	2014	No
Laurel Run	WVMW-8	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/West Fork River RM 13.10	WVMW-8.5	Fecal Coliform	Unknown	0.8	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Mudlick Run	WVMW-9	Fecal Coliform	Unknown	2.9	Entire length	2014	No
UNT/West Fork River RM 13.91	WVMW-9.5	Fecal Coliform	Unknown	0.7	Entire length	2014	No
Browns Run	WVMW-10	CNA-Biological	Unknown	1.0	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.0	Entire length	2014	No
Shinns Run	WVMW-11	Aluminum (d)	Unknown	6.6	Entire length	2014	No
		Fecal Coliform	Unknown	6.6	Entire length	2014	No
UNT/Shinns Run RM 3.69	WVMW-11-D	Fecal Coliform	Unknown	1.6	Entire length	2014	No
UNT/Shinns Run RM 4.15	WVMW-11-E	Aluminum (d)	Unknown	1.0	Entire length	2014	Yes
		CNA-Biological	Unknown	1.0	Entire length	2014	Yes
		Iron	Unknown	1.0	Entire length	2014	Yes
		pH	Unknown	1.0	Entire length	2014	Yes
UNT/Shinns Run RM 5.61	WVMW-11-F	Aluminum (d)	Unknown	0.6	Entire length	2014	No
		Iron	Unknown	0.6	Entire length	2014	No
		pH	Unknown	0.6	Entire length	2014	No
Robinson Run	WVMW-12	CNA-Biological	Unknown	5.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	5.4	Entire length	2014	No
Tenmile Creek	WVMW-13	Fecal Coliform	Unknown	26.4	Entire length	2014	No
Jack Run	WVMW-13-0.5A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Jones Creek	WVMW-13-A	Fecal Coliform	Unknown	8.8	Entire length	2014	No
Nolan Run	WVMW-13-A-1	Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
		Manganese	Unknown	2.0	Entire length	2014	No
Little Tenmile Creek	WVMW-13-B	Fecal Coliform	Unknown	13.0	Entire length	2014	No
Peters Run	WVMW-13-B-1	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Fecal Coliform	Unknown	1.0	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Little Elk Creek	WVMW-13-B-5	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Big Elk Creek	WVMW-13-B-6	CNA-Biological	Unknown	3.0	Entire length	2014	Yes
		Fecal Coliform	Unknown	3.0	Entire length	2014	No
Middle Run/Little Tenmile Creek	WVMW-13-B-7	CNA-Biological	Unknown	3.8	Entire length	2014	Yes
		Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Mudlick Run	WVMW-13-B-9	CNA-Biological	Unknown	2.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.4	Entire length	2014	No
Isaac Creek	WVMW-13-C	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Gregory Run	WVMW-13-D	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Katy Lick Run	WVMW-13-E	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Flag Run	WVMW-13-E.5	Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Rockcamp Run	WVMW-13-F	Fecal Coliform	Unknown	6.8	Entire length	2014	No
Little Rockcamp Run	WVMW-13-F-1	Fecal Coliform	Unknown	3.6	Mouth to RM 3.6	2014	No
Grass Run	WVMW-13-G	Fecal Coliform	Unknown	5.6	Entire length	2014	No
Indian Run	WVMW-13-H	Fecal Coliform	Unknown	5.0	Entire length	2014	No
Salem Fork	WVMW-13-I	CNA-Biological	Unknown	9.2	Entire length	2014	Yes
		Fecal Coliform	Unknown	9.2	Entire length	2014	No
UNT/Salem Fork RM 2.43	WVMW-13-I-0.5	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Cherrycamp Run	WVMW-13-I-2	CNA-Biological	Unknown	3.2	Entire length	2014	Yes
		Fecal Coliform	Unknown	3.2	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Patterson Fork	WVMW-13-I-3	CNA-Biological	Unknown	2.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	2.4	Entire length	2014	No
UNT/Patterson Fork RM 0.59	WVMW-13-I-3-B	CNA-Biological	Unknown	1.8	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Tenmile Creek RM 22.53	WVMW-13-M.5	Fecal Coliform	Unknown	0.3	Entire length	2014	No
		Iron	Unknown	0.3	Entire length	2014	No
Coburn Fork	WVMW-13-N	Fecal Coliform	Unknown	4.2	Entire length	2014	No
Shaw Run	WVMW-13-N-1	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/West Fork River RM 20.42	WVMW-14.2	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Simpson Creek	WVMW-15	Fecal Coliform	Unknown	28.0	Entire length	2014	No
Smith Run	WVMW-15-B	Aluminum (d)	Unknown	2.0	Entire length	2014	No
		Fecal Coliform	Unknown	2.0	Entire length	2014	No
Barnett Run	WVMW-15-C	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Davisson Run	WVMW-15-D	CNA-Biological	Unknown	3.0	Entire length	2014	No
		Fecal Coliform	Unknown	3.0	Entire length	2014	No
Ann Run	WVMW-15-E	CNA-Biological	Unknown	3.6	Entire length	2014	Yes
		Fecal Coliform	Unknown	3.6	Entire length	2014	No
Beards Run	WVMW-15-G	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Berry Run	WVMW-15-I	Fecal Coliform	Unknown	3.3	Entire length	2014	No
Right Fork/Simpson Creek	WVMW-15-J	Fecal Coliform	Unknown	3.6	Entire length	2014	No
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	Aluminum (d)	Unknown	0.3	Entire length	2014	No
Buck Run	WVMW-15-J-1	Fecal Coliform	Unknown	2.7	Entire length	2014	No
Sand Lick Run	WVMW-15-J-2	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Gabe Fork	WVMW-15-J-3	Fecal Coliform	Unknown	5.5	Entire length	2014	No
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Fecal Coliform	Unknown	1.7	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Bartlett Run	WVMW-15-K	Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Stillhouse Run	WVMW-15-L-1	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Simpson Creek RM 26.94	WVMW-15-N	Fecal Coliform	Unknown	0.9	Entire length	2014	No
UNT/Lambert Run RM 1.49	WVMW-16-A	Iron	Unknown	1.0	Entire length	2014	No
UNT/Lambert Run RM 2.77	WVMW-16-B	Fecal Coliform	Unknown	1.7	Entire length	2014	No
		Iron	Unknown	1.7	Entire length	2014	No
Jack Run	WVMW-17	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Crooked Run	WVMW-19	Fecal Coliform	Unknown	2.5	Entire length	2014	No
Limestone Run	WVMW-20	Fecal Coliform	Unknown	6.2	Entire length	2014	No
Stone Coal Run	WVMW-20-A	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Simpson Fork	WVMW-20-B	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Johnson Fork	WVMW-20-C	CNA-Biological	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No
Phoenix Hollow	WVMW-20-D	Fecal Coliform	Unknown	0.6	Entire length	2014	No
		Iron	Unknown	0.6	Entire length	2014	No
Elk Creek	WVMW-21	Fecal Coliform	Unknown	29.0	Entire length	2014	No
Murphy Run	WVMW-21-A	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Ann Moore Run	WVMW-21-B	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Nutter Run	WVMW-21-D	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Turkey Run	WVMW-21-E	CNA-Biological	Unknown	1.7	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.7	Entire length	2014	No
Hooppole Run	WVMW-21-F	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Brushy Fork	WVMW-21-G	Fecal Coliform	Unknown	14.0	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Brushy Fork RM 3.37	WVMW-21-G-0.5	Fecal Coliform	Unknown	1.6	Entire length	2014	No
		Iron	Unknown	1.6	Entire length	2014	No
Coplin Run	WVMW-21-G-1	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Glade Run	WVMW-21-G-2	Fecal Coliform	Unknown	1.3	Entire length	2014	No
Stonecoal Run	WVMW-21-G-3	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Zachs Run	WVMW-21-H	Fecal Coliform	Unknown	2.6	Entire length	2014	No
Chub Run	WVMW-21-I	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Fall Run	WVMW-21-J	Fecal Coliform	Unknown	1.9	Entire length	2014	No
Hastings Run	WVMW-21-K	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Gnatty Creek	WVMW-21-M	Fecal Coliform	Unknown	8.9	Entire length	2014	No
Rooting Creek	WVMW-21-M-1	CNA-Biological	Unknown	8.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	8.4	Entire length	2014	No
Stouts Run	WVMW-21-N	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Birds Run	WVMW-21-O	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Arnold Run	WVMW-21-P	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Isaacs Run	WVMW-21-Q	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Stewart Run	WVMW-21-S	Fecal Coliform	Unknown	3.6	Entire length	2014	No
UNT/Elk Creek RM 27.87	WVMW-21-T.7	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Davisson Run	WVMW-22	Fecal Coliform	Unknown	4.8	Entire length	2014	No
UNT/West Fork River RM 37.02	WVMW-22.8	Fecal Coliform	Unknown	1.9	Entire length	2014	No
Washburncamp Run	WVMW-22-A	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Browns Creek	WVMW-23	Fecal Coliform	Unknown	5.0	Entire length	2014	No
Coburns Creek	WVMW-24	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Sycamore Creek	WVMW-25	Fecal Coliform	Unknown	5.7	Entire length	2014	No
Lost Creek	WVMW-26	Fecal Coliform	Unknown	11.4	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Lost Creek RM 4.23	WVMW-26-0.8A	Iron	Unknown	0.7	Entire length	2014	No
Bonds Run	WVMW-26-A	CNA-Biological	Unknown	1.4	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.4	Entire length	2014	No
UNT/Lost Creek RM 6.91	WVMW-26-B	Fecal Coliform	Unknown	2.1	Entire length	2014	No
Buffalo Creek	WVMW-27	Fecal Coliform	Unknown	4.7	Entire length	2014	No
Duck Creek	WVMW-28	CNA-Biological	Unknown	4.0	Entire length	2014	Yes
		Fecal Coliform	Unknown	4.0	Entire length	2014	No
UNT/Duck Creek RM 2.78	WVMW-28-J	Fecal Coliform	Unknown	0.6	Entire length	2014	No
Isaacs Creek	WVMW-29	CNA-Biological	Unknown	6.2	Entire length	2014	Yes
		Fecal Coliform	Unknown	6.2	Entire length	2014	No
		Iron	Unknown	6.2	Entire length	2014	No
UNT/Isaacs Creek RM 2.90	WVMW-29-D	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Two Lick Creek	WVMW-30	Fecal Coliform	Unknown	3.8	Entire length	2014	No
Hackers Creek	WVMW-31	Fecal Coliform	Unknown	25.4	Entire length	2014	No
McKinney Run	WVMW-31-A	Fecal Coliform	Unknown	2.9	Entire length	2014	No
West Run	WVMW-31-B	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Jesse Run	WVMW-31-C	Fecal Coliform	Unknown	7.4	Entire length	2014	No
		Iron	Unknown	7.4	Entire length	2014	No
Lifes Run	WVMW-31-D	Fecal Coliform	Unknown	3.6	Entire length	2014	No
Stony Run	WVMW-31-E	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Bloody Run	WVMW-31-E.5	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Laurel Lick	WVMW-31-F	Fecal Coliform	Unknown	3.0	Entire length	2014	No
		Iron	Unknown	3.0	Entire length	2014	No
Buckhannon Run	WVMW-31-G	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Lefthand Fork	WVMW-31-H	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Kincheloe Creek	WVMW-32	Fecal Coliform	Unknown	10.2	Entire length	2014	No
		Iron	Unknown	10.2	Entire length	2014	No
Browns Run	WVMW-32-B	Fecal Coliform	Unknown	1.4	Entire length	2014	No
		Iron	Unknown	1.4	Entire length	2014	No
Right Fork/Kincheloe Creek	WVMW-32-E	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Tanner Fork	WVMW-32-G	Fecal Coliform	Unknown	3.2	Entire length	2014	No
		Iron	Unknown	3.2	Entire length	2014	No
McCann Run	WVMW-34	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Sycamore Lick	WVMW-35	CNA-Biological	Unknown	1.8	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.8	Entire length	2014	No
		Iron	Unknown	1.8	Entire length	2014	No
Freemans Creek	WVMW-36	Fecal Coliform	Unknown	5.6	Entire length	2014	No
		Iron	Unknown	5.6	Entire length	2014	No
Geelick Run	WVMW-36-A	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Mare Run	WVMW-36-C.5	Fecal Coliform	Unknown	2.2	Entire length	2014	No
Right Fork/Freemans Creek	WVMW-36-D	Fecal Coliform	Unknown	7.4	Entire length	2014	No
		Iron	Unknown	7.4	Entire length	2014	No
Left Fork/Freemans Creek	WVMW-36-E	Fecal Coliform	Unknown	5.9	Entire length	2014	No
		Iron	Unknown	5.9	Entire length	2014	No
UNT/West Fork River RM 65.49	WVMW-36.4	CNA-Biological	Unknown	1.5	Entire length	2014	Yes
		Fecal Coliform	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

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Maxwell Run	WVMW-37	Fecal Coliform	Unknown	2.4	Entire length	2014	No
		Iron	Unknown	2.4	Entire length	2014	No
Stonecoal Creek	WVMW-38	Fecal Coliform	Unknown	12.8	Entire length	2014	No
		Iron	Unknown	4.5	Mouth to RM 4.5	2014	No
UNT/Stonecoal Creek RM 2.43	WVMW-38-A.6	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Hilly Upland Run	WVMW-38-C	Fecal Coliform	Unknown	2.5	Entire length	2014	No
Grass Run	WVMW-38-E	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Right Fork/Stonecoal Creek	WVMW-38-G	CNA-Biological	Unknown	1.2	Mouth to RM 1.2 (below impoundment)	2014	Yes
		Fecal Coliform	Unknown	7.3	Abv impoundment to HW	2014	No
		Iron	Unknown	7.3	Abv impoundment to HW	2014	No
Pringle Fork	WVMW-38-G-3	CNA-Biological	Unknown	1.3	Mouth to RM 1.3	2014	No
		Fecal Coliform	Unknown	3.6	Entire length	2014	No
		Iron	Unknown	1.3	Mouth to RM 1.3	2014	No
Spruce Fork	WVMW-38-G-6	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Gladly Fork	WVMW-38-G-7	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Fall Run	WVMW-38-G-7-A	Fecal Coliform	Unknown	1.3	Entire length	2014	No
		Iron	Unknown	1.3	Entire length	2014	No
Polk Creek	WVMW-39	CNA-Biological	Unknown	8.5	Entire length	2014	Yes
		Fecal Coliform	Unknown	8.5	Entire length	2014	Yes
		Iron	Unknown	8.5	Entire length	2014	No
Dry Fork	WVMW-39-B	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Sassafras Run	WVMW-39-C	Fecal Coliform	Unknown	2.3	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Murphy Creek	WVMW-41	Fecal Coliform	Unknown	6.3	Entire length	2014	No
		Iron	Unknown	6.3	Entire length	2014	No
Rush Run	WVMW-43	Fecal Coliform	Unknown	6.0	Entire length	2014	No
		Iron	Unknown	6.0	Entire length	2014	No
Stone Lick	WVMW-44	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Skin Creek	WVMW-46	Fecal Coliform	Unknown	1.6	RM 11.0 to HW	2014	No
Wolf Fork	WVMW-46-A	Fecal Coliform	Unknown	3.8	Entire length	2014	No
Glady Fork	WVMW-46-B	Fecal Coliform	Unknown	2.7	Entire length	2014	No
Linger Run	WVMW-46-C-6	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Hughes Fork	WVMW-46-G	CNA-Biological	Unknown	2.6	Entire length	2014	Yes
Canoe Run	WVMW-49	Fecal Coliform	Unknown	3.5	Entire length	2014	No
Dunkin Run	WVMW-50-A	Iron	Unknown	1.4	Entire length	2014	No
Sammy Run	WVMW-50-E	Fecal Coliform	Unknown	2.1	Entire length	2014	No
		Iron	Unknown	2.1	Entire length	2014	No
Abrams Run	WVMW-54	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Right Fork/West Fork River	WVMW-55	Fecal Coliform	Unknown	6.8	Entire length	2014	No
Big Run	WVMW-55-A	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Sugarcamp Run	WVMW-55-C	Fecal Coliform	Unknown	2.6	Entire length	2014	No

Supplemental Table A - Previously Listed Waters - No TMDL Developed

WEST VIRGINIA**WEST VIRGINIA****Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2012**

Stream Name	Stream Code	Criteria	Reason for Delisting
HYDROLOGIC GROUP A			

CHEAT WATERSHED - HUC# 05020004

Cheat Lake	WVMC-(L1)	PCBs	New Fish Tissue data does not support listing
Shavers Fork	WVMCS	PCBs	New Fish Tissue data does not support listing
Middle Run	WVMC-60-D-3-B	Fecal Coliform	TMDL Modeling indicates no impairment

SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

South Branch Potomac River	WVPSB	Fecal Coliform	New water quality data does not support listing
		PCBs	New Fish Tissue data does not support listing

HYDROLOGIC GROUP B**COAL WATERSHED - HUC# 05050009**

Raines Fork	WVKC-47-E-4	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
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ELK WATERSHED - HUC# 05050007

Fall Run	WVKE-98-B-3	pH	Listed in error
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NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002

UNT/UNT RM 1.31/Middle Fork RM 3.83	WVPNB-4-FF-5-A	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable
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TYGART VALLEY WATERSHED - HUC# 05020001

Tygart Lake	WVMT-(L1)	PCBs	New Fish Tissue data does not support listing
Poundmill Run	WVMT-69	CNA-Biological	Biological data used for (previous) listing has been deemed non-comparable

Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2012

Stream Name	Stream Code	Criteria	Reason for Delisting
HYDROLOGIC GROUP C			
GAULEY WATERSHED - HUC# 05050005			
Meadow Creek	WVKG-19-P	Iron (trout)	Water quality criteria revised and data no longer supports listing
Hominy Creek	WVKG-24	Iron (trout)	Water quality criteria revised and data no longer supports listing
Line Laurel Creek	WVKG-24-E-3	Iron (trout)	Water quality criteria revised and data no longer supports listing
Cherry River	WVKG-34	Iron (trout)	Water quality criteria revised and data no longer supports listing
MIDDLE OHIO NORTH WATERSHED - HUC# 05030201			
Middle Island Creek	WVOMI	PCBs	New Fish Tissue data does not support listing
MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202			
Elk Fork Lake	WVO-32-M-(L1)	PCBs	New Fish Tissue data does not support listing
TUG FORK WATERSHED - HUC# 05070201			
Windmill Gap Branch	WVBST-99-L-4	Fecal Coliform	Improved due to implementation of a restoration project

WEST VIRGINIA**WEST VIRGINIA****Supplemental Table A - Previously Listed Waters - No TMDL Developed - 2012**

Stream Name	Stream Code	Criteria	Reason for Delisting
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HYDROLOGIC GROUP D**LITTLE KANAWHA WATERSHED - HUC# 05030203**

Little Kanawha River	WVLK	pH	New water quality data does not support listing
Hughes River	WVLKH	PCBs	New Fish Tissue data does not support listing

MONONGAHELA WATERSHED - HUC# 05020003

Cobun Creek	WVM-9	pH	New water quality data does not support listing
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UPPER NEW WATERSHED - HUC# 05050002

Bluestone Lake	WVKN-(L1)	PCBs	New Fish Tissue data does not support listing
Kee Reservoir	WVKNB-12-J-2-(L1)	PCBs	New Fish Tissue data does not support listing

HYDROLOGIC GROUP E**UPPER OHIO SOUTH WATERSHED - HUC# 05030106**

Conner Run	WVO-77-A	Selenium	New water quality data does not support listing
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WEST FORK WATERSHED - HUC# 05020002

West Fork River	WVMW	PCBs	New Fish Tissue data does not support listing
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Supplemental Table B - Waters with TMDLs developed

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
HYDROLOGIC GROUP A			
CHEAT WATERSHED - HUC# 05020004			
Cheat River	WVMC	Iron	2011
UNT/Cheat River RM 1.85	WVMC-0.1	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Cheat River RM 4.07	WVMC-0.5	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Cheat River RM 7.70	WVMC-2.3	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Cheat River RM 8.39	WVMC-2.4	Aluminum (d)	2011
		Iron	2011
		pH	2011
Coles Run	WVMC-2.5	CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
Birch Hollow	WVMC-2.5-A	Fecal Coliform	2011
Kelly Run	WVMC-2.7	CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
Crammeys Run	WVMC-3	Fecal Coliform	2011
		Iron	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Whites Run	WVMC-4	CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
Maple Run	WVMC-5	Aluminum (d)	2011
		pH	2011
Bull Run	WVMC-11	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/Bull Run RM 1.64	WVMC-11-0.1A	Aluminum (d)	2011
		Iron	2011
		pH	2011
Middle Run	WVMC-11-A	Aluminum (d)	2011
		Iron	2011
		pH	2011
Mountain Run	WVMC-11-B	Aluminum (d)	2011
		Iron	2011
		pH	2011
Lick Run	WVMC-11-B-1	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Bull Run RM 3.73	WVMC-11-C	Aluminum (d)	2011
		Iron	2011
		pH	2011
Left Fork Bull Run	WVMC-11-D	Aluminum (d)	2011
		Iron	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Right Fork Bull Run	WVMC-11-E	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
Big Sandy Creek	WVMC-12	CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
		pH	2011
UNT/Big Sandy Creek RM 2.91	WVMC-12-0.2A	Aluminum (d)	2011
		Iron	2011
		pH	2011
Sovern Run	WVMC-12-0.5A	Aluminum (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
		pH	2011
Parker Run	WVMC-12-0.7A	Fecal Coliform	2011
		Iron	2011
		pH	2011
Little Laurel Run	WVMC-12-A-1	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Little Sandy Creek	WVMC-12-B	Aluminum (trout) (d)	2011
		Fecal Coliform	2011
		Iron (trout)	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Webster Run	WVMC-12-B-0.5	Fecal Coliform	2011
		Iron	2011
		pH	2011
UNT/Webster Run RM 1.25	WVMC-12-B-0.5-B	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/Little Sandy Creek RM 2.80	WVMC-12-B-0.6	Fecal Coliform	2011
UNT/Little Sandy Creek RM 5.04	WVMC-12-B-0.8	Fecal Coliform	2011
Beaver Creek	WVMC-12-B-1	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Glade Run	WVMC-12-B-1-A	Aluminum (d)	2011
		Fecal Coliform	2011
		Iron	2011
		pH	2011
UNT/Beaver Creek RM 1.25	WVMC-12-B-1-B	pH	2011
UNT/Beaver Creek RM 1.68	WVMC-12-B-1-C	Aluminum (d)	2011
		Iron	2011
		pH	2011
Barnes Run	WVMC-12-B-2	Fecal Coliform	2011
		pH	2011
Hog Run	WVMC-12-B-3	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Elk Run	WVMC-12-B-4	pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Piney Run	WVMC-12-B-4.5	Aluminum (trout) (d)	2011
		Fecal Coliform	2011
		Iron (trout)	2011
		pH	2011
Cherry Run	WVMC-12-B-5	Aluminum (trout) (d)	2011
		Fecal Coliform	2011
		Iron (trout)	2011
		pH	2011
UNT/Cherry Run RM 1.96	WVMC-12-B-5-C	Iron	2011
		pH	2011
Mill Run	WVMC-12-B-6	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Hazel Run	WVMC-12-C	Aluminum (trout) (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron (trout)	2011
		pH	2011
Glade Run	WVMC-12-D	Fecal Coliform	2011
		Iron	2011
UNT/Big Sandy Creek RM 10.23	WVMC-12-D.4	Fecal Coliform	2011
Glade Run	WVMC-12-E	Fecal Coliform	2011
		Iron	2011
Conner Run	WVMC-13.5	Aluminum (d)	2011
		Iron	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Greens Run	WVMC-16	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
South Fork/Greens Run	WVMC-16-A	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/South Fork RM 0.63/Greens Run	WVMC-16-A-1	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
Muddy Creek	WVMC-17	Aluminum (d)	2011
		Aluminum (trout) (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
		Iron (trout)	2011
		pH	2011
Sypolt Run	WVMC-17-0.5A	Iron	2011
		pH	2011
Crab Orchard Run	WVMC-17-0.7A	Iron	2011
Martin Creek	WVMC-17-A	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fickey Run	WVMC-17-A-0.5	Aluminum (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
		pH	2011
Glade Run	WVMC-17-A-1	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/Glade Run RM 1.06	WVMC-17-A-1-A	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Glade Run RM 1.36	WVMC-17-A-1-B	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Muddy Creek RM 9.80	WVMC-17-A.8	Fecal Coliform	2011
		Iron	2011
		pH	2011
UNT/UNT RM 0.12/Muddy Creek RM 9.80	WVMC-17-A.8-1	Aluminum (d)	2011
		pH	2011
Jump Rock Run	WVMC-17-B	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Sugarcamp Run	WVMC-17-C	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
Roaring Creek	WVMC-18	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Roaring Creek RM 0.34	WVMC-18-0.1A	Fecal Coliform	2011
Lick Run	WVMC-18-A	Aluminum (d)	2011
		pH	2011
Little Lick Run	WVMC-18-A-1	Aluminum (d)	2011
		Fecal Coliform	2011
		pH	2011
UNT/Ragtag Run RM 0.81	WVMC-20-A-1	Fecal Coliform	2011
Buffalo Run	WVMC-22	Aluminum (d)	2011
		Iron	2011
		pH	2011
Morgan Run	WVMC-23	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/Morgan Run RM 1.03	WVMC-23-0.2A	Aluminum (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron	2011
		pH	2011
UNT/UNT RM 0.34/Morgan Run RM 1.03	WVMC-23-0.2A-1	Fecal Coliform	2011
		Iron	2011
Church Creek	WVMC-23-A	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
UNT/Church Creek RM 1.26	WVMC-23-A-1	Aluminum (d)	2011
		Iron	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/UNT RM 0.12/Church Creek RM 1.26	WVMC-23-A-1-A	Aluminum (d)	2011
		Iron	2011
		pH	2011
Heather Run	WVMC-24	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		Manganese	2011
		pH	2011
UNT/Heather Run RM 1.47	WVMC-24-A	Fecal Coliform	2011
Lick Run	WVMC-25	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		Manganese	2011
		pH	2011
UNT/Lick Run RM 1.04	WVMC-25-A	Aluminum (d)	2011
		Iron	2011
		Manganese	2011
		pH	2011
Joes Run	WVMC-26	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		Manganese	2011
		pH	2011
Pringle Run	WVMC-27	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		Manganese	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Pringle Run RM 3.17	WVMC-27-C	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Pringle Run RM 3.33	WVMC-27-D	Aluminum (d)	2011
		Iron	2011
		pH	2011
UNT/Pringle Run RM 3.60	WVMC-27-E	Aluminum (d)	2011
		Iron	2011
		pH	2011
Buckhorn Run	WVMC-31	pH	2011
Spruce Run	WVMC-32-B	Iron (trout)	2011
Bucklick Run	WVMC-32-E	Fecal Coliform	2011
		Iron (trout)	2011
Birchroot Run	WVMC-33-C	Fecal Coliform	2011
Blackwater River	WVMC-60-D	Aluminum (trout) (d)	2011
		DO	1998
		Iron (trout)	2011
		pH	2011
Big Run	WVMC-60-D-1	pH	2011
Tub Run	WVMC-60-D-2	Aluminum (d)	2011
		Iron	2011
		pH	2011
Finley Run	WVMC-60-D-2.7	Aluminum (d)	2011
		Iron	2011
		pH	2011
North Fork/Blackwater River	WVMC-60-D-3	Aluminum (d)	2011
		Iron	2011
		pH	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Long Run	WVMC-60-D-3-A	Aluminum (d)	2011
		CNA-Biological	2011
		Iron	2011
		pH	2011
Middle Run	WVMC-60-D-3-B	Aluminum (d)	2011
		Iron	2011
		pH	2011
Snyder Run	WVMC-60-D-3-C	pH	2011
Sand Run	WVMC-60-D-3-E	Aluminum (trout) (d)	2011
		CNA-Biological	2011
		Fecal Coliform	2011
		Iron (trout)	2011
Beaver Creek	WVMC-60-D-5	Aluminum (d)	2011
		Iron	2011
		pH	2011
Hawkins Run	WVMC-60-D-5-C	Aluminum (d)	2011
		pH	2011
UNT/Beaver Creek RM 8.81	WVMC-60-D-5-E	pH	2011
UNT/Beaver Creek RM 11.36	WVMC-60-D-5-G	Aluminum (trout) (d)	2011
		Iron (trout)	2011
		pH	2011
UNT/Beaver Creek RM 11.91	WVMC-60-D-5-H	pH	2011

SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007

Shenandoah River	WVS	PCBs	2001
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Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

South Branch Potomac River	WVPSB	Fecal Coliform	1998
Anderson Run	WVPSB-18	Fecal Coliform	1998
Mill Creek	WVPSB-25	Fecal Coliform	1998
Lunice Creek	WVPSB-26	Fecal Coliform	1998

UPPER KANAWHA WATERSHED - HUC# 05050006

Campbells Creek	WVK-49	CNA-Biological	2005
		Fecal Coliform	2005
Dry Branch	WVK-49-A	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
Spring Fork	WVK-49-B	Aluminum (d)	2005
		Fecal Coliform	2005
UNT/Left Fork RM 0.12/Spring Fork	WVK-49-B-2-A	Iron	2005
Coal Fork	WVK-49-D	Fecal Coliform	2005
Pointlick Fork	WVK-49-F	Fecal Coliform	2005
Wash Branch	WVK-49-F.5	Fecal Coliform	2005
Cline Branch	WVK-49-G	Fecal Coliform	2005
Big Bottom Hollow	WVK-49-H	CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
UNT/Campbells Creek RM 7.5 (Sprucepine Hollow)	WVK-49-J	Fecal Coliform	2005
Lens Creek	WVK-53	CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Left Fork/Lens Creek	WVK-53-A	Fecal Coliform	2005
		Iron	2005
UNT/Left Fork RM 1.83/Lens Creek	WVK-53-A-0.4	Aluminum (d)	2005
		Iron	2005
		pH	2005
Ring Hollow	WVK-53-B	Fecal Coliform	2005
Fourmile Fork	WVK-53-C	CNA-Biological	2005
		Fecal Coliform	2005
Witcher Creek	WVK-57	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
		pH	2005
Dry Branch	WVK-57-A	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
Left Fork/Witcher Creek	WVK-57-C	Fecal Coliform	2005
Counterfeit Branch	WVK-57-D	Iron	2005
UMT/Witcher Creek RM 5.18	WVK-57-D.5	Aluminum (d)	2005
		pH	2005
Fields Creek	WVK-58	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
Scott Branch	WVK-58-B	Fecal Coliform	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Wolfpen Hollow	WVK-58-B.1	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
		pH	2005
Coopers Hollow	WVK-58-B.3	Fecal Coliform	2005
Mill Branch	WVK-58-B.8	Aluminum (d)	2005
New West Hollow	WVK-58-B.8-1	Aluminum (d)	2005
		Iron	2005
South Hollow	WVK-58-C	CNA-Biological	2005
Carroll Branch	WVK-59	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
		pH	2005
Slaughter Creek	WVK-60	Aluminum (d)	2005
Little Creek	WVK-60-A	Aluminum (d)	2005
		CNA-Biological	2005
		pH	2005
UNT/Little Creek RM 0.39	WVK-60-A-1	Aluminum (d)	2005
		pH	2005
Bradley Fork	WVK-60-B	Aluminum (d)	2005
		pH	2005
UNT/Slaughter Creek RM 3.14	WVK-60-B.1	Aluminum (d)	2005
		pH	2005
Cabin Creek	WVK-61	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
		pH	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Dry Branch	WVK-61-B	Fecal Coliform	2005
		Iron	2005
UNT/Dry Branch RM 0.74	WVK-61-B-1	Aluminum (d)	2005
		CNA-Biological	2005
		pH	2005
Paint Branch	WVK-61-E	Iron	2005
Longbottom Creek	WVK-61-F	Fecal Coliform	2005
Left Fork/Longbottom Creek	WVK-61-F-1	CNA-Biological	2005
Greens Branch	WVK-61-G	Fecal Coliform	2005
		pH	2005
Coal Fork	WVK-61-H	Aluminum (d)	2005
Laurel Fork/Coal Fork	WVK-61-H-1	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
		CNA-Biological	2005
UNT/Coal Fork RM 4.63	WVK-61-H-3	Aluminum (d)	2005
		Iron	2005
Bear Hollow	WVK-61-I	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		pH	2005
UNT/Bear Hollow RM 0.28	WVK-61-I-1	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		pH	2005
Cane Fork	WVK-61-J	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
		pH	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Toms Fork	WVK-61-K	Aluminum (d)	2005
Tenmile Fork	WVK-61-L	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
			2005
UNT/Tenmile Fork RM 1.22	WVK-61-L-0.5	Aluminum (d)	2005
UNT/Tenmile Fork RM 4.17	WVK-61-L-5	Iron	2005
Fifteenmile Fork	WVK-61-O	Aluminum (d)	2005
		Iron	2005
		pH	2005
Abbott Creek	WVK-61-O-1	Aluminum (d)	2005
		Iron	2005
		pH	2005
Hicks Hollow	WVK-61.5	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
		pH	2005
Watson Branch	WVK-62	Aluminum (d)	2005
		pH	2005
Mile Branch	WVK-63	Aluminum (d)	2005
		CNA-Biological	2005
		Fecal Coliform	2005
		Iron	2005
Paint Creek	WVK-65	pH	2001
Jones Branch	WVK-65-C	Iron	2001
Tenmile Fork	WVK-65-M	Iron	2001
		pH	2001
Long Branch	WVK-65-M-1	Iron	2001
		pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hickory Camp Branch	WVK-65-P	CNA-Biological	2001
		Iron	2001
		pH	2001
Cedar Creek	WVK-65-Q	pH	2001
UNT/Paint Creek RM 16.71	WVK-65-Q.3	Iron	2001
		pH	2001
UMT/Paint Creek RM 17.10	WVK-65-Q.5	Iron	2001
		pH	2001
Fifteenmile Creek	WVK-65-R	Iron	2001
Spring Branch	WVK-65-S	pH	2001
Skitter Creek	WVK-65-T	Iron	2001
Lykins Creek	WVK-65-W	Iron	2001
		pH	2001
Long Branch	WVK-65-Y-2	Iron	2001
Packs Branch	WVK-65-DD	Iron	2001
Big Fork	WVK-65-DD-2	Iron	2001
Morris Creek	WVK-70	CNA-Biological	2005
		Iron	2005
		Manganese	2005
		pH	2005
Schuyler Fork	WVK-70-A	Aluminum (d)	2005
		pH	2005
Staten Run	WVK-71	CNA-Biological	2005
		Iron	2005
Smithers Creek	WVK-72	Aluminum (d)	2005
Blake Branch	WVK-72-A	Aluminum (d)	2005
		Fecal Coliform	2005
Fishhook Fork	WVK-72-A-1	Aluminum (d)	2005
		Manganese	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Bullpush Fork	WVK-72-B	Aluminum (d)	2005
Burnett Hollow	WVK-72-B-2	Aluminum (d)	2005
Armstrong Creek	WVK-73	Aluminum (trout)	2005
		CNA-Biological	2005
		pH	2005
Tucker Hollow	WVK-73-A	Aluminum (d)	2005
		pH	2005
Jenkins Fork	WVK-73-D	Aluminum (d)	2005
		CNA-Biological	2005
		pH	2005
Craig Hollow	WVK-73-D-1	Aluminum (d)	2005
		pH	2005
Powellton Fork	WVK-73-E	Aluminum (d)	2005
		Iron	2005
Laurel Branch/Powellton Fork	WVK-73-E-1	Iron	2005
Woodrum Branch	WVK-73-E-2	Iron	2005
Right Fork/Armstrong Creek	WVK-73-F	Aluminum (d)	2005
		pH	2005
Boomer Branch	WVK-74	Aluminum (d)	2005
		CNA-Biological	2005
Jarrett Branch	WVK-75	Aluminum (d)	2005
		CNA-Biological	2005
		Iron	2005
		Manganese	2005
		pH	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Jarrett Branch RM 1.21	WVK-75-A	Aluminum (d)	2005
		Manganese	2005
		pH	2005
Loop Creek	WVK-76	Fecal Coliform	2005
Mulberry Fork	WVK-76-C-1	Fecal Coliform	2005
Beards Fork	WVK-76-D	Aluminum (d)	2005
Ingram Branch	WVK-76-K	Aluminum (d)	2005
		CNA-Biological	2005
		pH	2005

UPPER OHIO NORTH WATERSHED - HUC# 05030101

Ohio River (Upper North)	WVO-un	PCBs	2002
Cross Creek	WVO-95	CNA-Biological	2005
		Fecal Coliform	2005
UNT/Cross Creek RM 1.81	WVO-95-0.5A	Fecal Coliform	2005
Bosley Run	WVO-95-A	CNA-Biological	2005
		Fecal Coliform	2005
North Potrock Run	WVO-95-C	Fecal Coliform	2005
Potrock Run	WVO-95-D	CNA-Biological	2005
		Fecal Coliform	2005
Alleghany Steel Run	WVO-95.5	CNA-Biological	2005
		Fecal Coliform	2005
UMT/Alleghany Steel Run RM 1.09	WVO-95.5-A	CNA-Biological	2005
		Fecal Coliform	2005
Harmon Creek	WVO-97	CNA-Biological	2005
		Fecal Coliform	2005
UNT/Harmon Creek RM 2.95	WVO-97-0.7A	Fecal Coliform	2005
UNT/Harmon Creek RM 3.32	WVO-97-0.9A	Fecal Coliform	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Sappingtons Run	WVO-97-A	CNA-Biological Fecal Coliform	2005 2005
Alexanders Run	WVO-97-B	CNA-Biological Fecal Coliform Iron	2005 2005 2005
Mechling Run	WVO-97-C	Fecal Coliform	2005
Brown Hollow	WVO-97-D	CNA-Biological Fecal Coliform	2005 2005
Kings Creek	WVO-98	Fecal Coliform	2005
Turkeyfoot Run	WVO-98-0.5A	Fecal Coliform	2005
Rush Run	WVO-98-0.7A	CNA-Biological Fecal Coliform	2005 2005
North Fork/Kings Creek	WVO-98-A	Fecal Coliform	2005
Marrow Run	WVO-98-A.5	CNA-Biological Fecal Coliform	2005 2005
UNT/Kings Creek RM 6.95	WVO-98-C	Fecal Coliform	2005
Deep Gut Run	WVO-101	Aluminum (d) CNA-Biological Iron pH	2005 2005 2005 2005
Tomlinson Run Lake	WVO-102-(L1)	Sedimentation/Siltation	1998
South Fork/Tomlinson Run	WVO-102-B	CNA-Biological Fecal Coliform	2005 2005
North Fork/Tomlinson Run	WVO-102-C	CNA-Biological Fecal Coliform	2005 2005
Mercer Run	WVO-102-C-1	CNA-Biological Fecal Coliform	2005 2005
UNT/North Fork RM 4.48/Tomlinson Run	WVO-102-C-6	Fecal Coliform	2005

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
YOUGHIOGHENY WATERSHED - HUC# 05020006			
Buffalo Run	WVMY-0.2	Fecal Coliform	2009
		pH	2009
Snowy Creek	WVMY-2	CNA-Biological	2009
		Fecal Coliform	2009
		Iron (trout) AQ, HH	2009
Laurel Run	WVMY-2-0.2A	Aluminum (d)	2009
		Iron	2009
		pH	2009
Little Laurel Run	WVMY-2-0.2A-1	pH	2009
North Branch/Snowy Creek	WVMY-2-A	Fecal Coliform	2009
		Iron (trout) AQ	2009
Wardwell Run	WVMY-2-A-1	CNA-Biological	2009
		Fecal Coliform	2009
South Branch/Snowy Creek	WVMY-2-B	Fecal Coliform	2009
Rhine Creek	WVMY-4	Fecal Coliform	2009
Maple Run	WVMY-5	CNA-Biological	2009
		Fecal Coliform	2009
UNT/Maple Run RM 5.22	WVMY-5-E	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
HYDROLOGIC GROUP B			
COAL WATERSHED - HUC# 05050009			
Coal River	WVKC	Fecal Coliform	2006
Browns Creek	WVKC-2	CNA-Biological	2006
		Fecal Coliform	2006
Smith Creek	WVKC-4	CNA-Biological	2006
		Fecal Coliform	2006
Martin Creek	WVKC-4-A	Fecal Coliform	2006
Little Smith Creek	WVKC-4-C	CNA-Biological	2006
		Fecal Coliform	2006
Falls Creek	WVKC-5	Fecal Coliform	2006
Fuquay Creek	WVKC-8	Fecal Coliform	2006
Crooked Creek	WVKC-9	CNA-Biological	2006
		Fecal Coliform	2006
Alum Creek	WVKC-9.5	Fecal Coliform	2006
UNT/Alum Creek RM 1.53	WVKC-9.5-A	Fecal Coliform	2006
Little Alum Creek	WVKC-9.5-B	Fecal Coliform	2006
Little Coal River	WVKC-10	Fecal Coliform	2006
Cobb Creek	WVKC-10-E	Fecal Coliform	2006
Dicks Creek	WVKC-10-F	Iron	2006
Little Hewitt Creek	WVKC-10-H	Iron	2006
		pH	2006
Big Horse Creek	WVKC-10-I	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Laurel Fork	WVKC-10-I-2	Fecal Coliform	2006
		Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Peters Cave Fork	WVKC-10-I-3	Fecal Coliform	2006
		Iron	2006
Dodson Fork	WVKC-10-I-6	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Rich Hollow	WVKC-10-I-8	Iron	2006
Little Horse Creek	WVKC-10-J	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
UMT/Little Horse Creek RM 2.31	WVKC-10-J-8	Fecal Coliform	2006
Camp Creek	WVKC-10-L	Fecal Coliform	2006
Rock Creek	WVKC-10-N	CNA-Biological	2006
		Fecal Coliform	2006
Hubbard Fork	WVKC-10-N-2	CNA-Biological	2006
		Fecal Coliform	2006
Right Fork/Rock Creek	WVKC-10-N-3	CNA-Biological	2006
		Fecal Coliform	2006
Left Fork/Rock Creek	WVKC-10-N-4	CNA-Biological	2006
		Fecal Coliform	2006
Lick Creek	WVKC-10-O	CNA-Biological	2006
		Fecal Coliform	2006
Turtle Creek	WVKC-10-P	CNA-Biological	2006
		Fecal Coliform	2006
Spruce Fork	WVKC-10-T	Fecal Coliform	2006
		Iron	2006
Sparrow Creek	WVKC-10-T-1	Fecal Coliform	2006
Laurel Branch	WVKC-10-T-2	Fecal Coliform	2006
Low Gap Creek	WVKC-10-T-3	Fecal Coliform	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hunters Branch	WVKC-10-T-5	Aluminum (d)	2006
		Iron	2006
		pH	2006
Sixmile Creek	WVKC-10-T-7	Fecal Coliform	2006
Bias Branch	WVKC-10-T-8	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Hewett Creek	WVKC-10-T-9	Fecal Coliform	2006
		Iron	2006
Meadow Fork	WVKC-10-T-9-A	Fecal Coliform	2006
Missouri Fork	WVKC-10-T-9-B	CNA-Biological	2006
		Fecal Coliform	2006
Isom Branch	WVKC-10-T-9-B.5	Fecal Coliform	2006
Craddock Fork	WVKC-10-T-9-C	Fecal Coliform	2006
		Iron	2006
Sycamore Branch	WVKC-10-T-9-C-2	Fecal Coliform	2006
Baldwin Fork	WVKC-10-T-9-D	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Stollings Branch	WVKC-10-T-10	Fecal Coliform	2006
Spruce Laurel Fork	WVKC-10-T-11	CNA-Biological	2006
		Iron	2006
Sycamore Fork	WVKC-10-T-11-F	Iron	2006
Dennison Fork	WVKC-10-T-11-K	Iron	2006
Rockhouse Creek	WVKC-10-T-13	Fecal Coliform	2006
		Iron	2006
Beech Creek	WVKC-10-T-15	Iron	2006
		Selenium	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Left Fork/Beech Creek	WVKC-10-T-15-A	Iron	2006
		Selenium	2006
Seng Camp Creek	WVKC-10-T-16	Iron	2006
Trace Branch	WVKC-10-T-19	Iron	2006
		Selenium	2006
White Oak Branch	WVKC-10-T-22	Iron	2006
Brushy Fork	WVKC-10-T-24	Iron	2006
Laurel Fork	WVKC-10-T-25	Iron	2006
Pond Fork	WVKC-10-U	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Robinson Creek	WVKC-10-U-3	Iron	2006
Jacks Branch	WVKC-10-U-4	Iron	2006
Bull Creek	WVKC-10-U-5	Iron	2006
West Fork/Pond Fork	WVKC-10-U-7	CNA-Biological	2006
		Iron	2006
Whites Branch	WVKC-10-U-7-B	Fecal Coliform	2006
		Iron	2006
James Creek	WVKC-10-U-7-I	Iron	2006
		Selenium	2006
Casey Creek	WVKC-10-U-8	CNA-Biological	2006
		Iron	2006
		Selenium	2006
Beaver Pond Branch	WVKC-10-U-9	Iron	2006
		Selenium	2006
Lacey Branch	WVKC-10-U-21	Iron	2006
Big Coal River	WVKC-Big	Fecal Coliform	2006
Brier Creek	WVKC-13	Fecal Coliform	2006
Fork Creek	WVKC-14	Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Bull Creek	WVKC-16	Iron	2006
Lick Creek	WVKC-19	CNA-Biological	2006
		Fecal Coliform	2006
Brush Creek	WVKC-21	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Honeycamp Fork	WVKC-21-A	Iron	2006
Ridgeview Hollow	WVKC-21-C	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Drawdy Creek	WVKC-24	Fecal Coliform	2006
		Iron	2006
Short Creek	WVKC-26	Fecal Coliform	2006
Toneys Branch	WVKC-27	Fecal Coliform	2006
		Iron	2006
Joes Creek	WVKC-29	Fecal Coliform	2006
		Iron	2006
Left Fork/Joes Creek	WVKC-29-A	Fecal Coliform	2006
Laurel Creek	WVKC-31	Fecal Coliform	2006
		Iron	2006
Sandlick Creek	WVKC-31-A	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Hopkins Fork	WVKC-31-B	Fecal Coliform	2006
		Iron (trout) AQ	2006
Big Jarrells Creek	WVKC-31-B-2	Fecal Coliform	2006
		Iron	2006
Logan Fork	WVKC-31-B-3	Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cold Fork	WVKC-31-C	Aluminum (d)	2006
		Iron	2006
		pH	2006
Little Laurel Creek	WVKC-31-G	Iron	2006
Mudlick Fork	WVKC-31-H	Iron	2006
Horse Branch	WVKC-32	Aluminum (d)	2006
		Iron	2006
		pH	2006
Haggle Branch	WVKC-33	Aluminum (d)	2006
		Iron	2006
		pH	2006
Jakes Branch	WVKC-34	Iron	2006
White Oak Creek	WVKC-35	Iron	2006
		Selenium	2006
Threemile Branch	WVKC-35-D	Aluminum (d)	2006
		Iron	2006
		pH	2006
Left Fork/White Oak Creek	WVKC-35-E	Iron	2006
		Selenium	2006
UNT/Big Coal River RM 32.06	WVKC-35.8	Aluminum (d)	2006
		Iron	2006
		pH	2006
Little Elk Creek	WVKC-39	Iron	2006
Seng Creek	WVKC-42	Fecal Coliform	2006
		Iron	2006
		Selenium	2006
Elk Run	WVKC-43	Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Marsh Fork	WVKC-46	Fecal Coliform	2006
		Iron	2006
		Iron (trout) AQ	2006
Little Marsh Fork	WVKC-46-A	Iron	2006
		Manganese	2006
Brushy Fork	WVKC-46-A-4	Iron	2006
		Manganese	2006
Ellis Creek	WVKC-46-B	Iron	2006
Hazy Creek	WVKC-46-C	Iron	2006
Stink Run	WVKC-46-E	Fecal Coliform	2006
		Iron	2006
Horse Creek	WVKC-46-F	Iron	2006
Peachtree Creek	WVKC-46-G	Iron	2006
Drews Creek	WVKC-46-G-1	Iron	2006
Martin Fork	WVKC-46-G-2	Aluminum (d)	2006
		Iron	2006
		pH	2006
Millers Fork	WVKC-46-G-3	Iron	2006
Dry Creek	WVKC-46-H	Fecal Coliform	2006
Rock Creek	WVKC-46-I	Fecal Coliform	2006
		Iron	2006
Righthand Fork/Rock Creek	WVKC-46-I-1	Fecal Coliform	2006
Flat Branch	WVKC-46-I.7	Fecal Coliform	2006
Sandlick Creek	WVKC-46-J	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Bee Branch	WVKC-46-J-2	Aluminum (d)	2006
		pH	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Right Fork/Sandlick Creek	WVKC-46-J-3	CNA-Biological Fecal Coliform	2006 2006
Wingrove Branch	WVKC-46-J-4	Fecal Coliform Iron	2006 2006
Harper Branch	WVKC-46-J-7	Iron	2006
Cove Creek	WVKC-46-K	Fecal Coliform Iron	2006 2006
UNT/Cove Creek RM 1.22	WVKC-46-K-2	Fecal Coliform	2006
Breckenridge Creek	WVKC-46-L	Fecal Coliform	2006
UNT/Breckenridge Creek RM 3.04	WVKC-46-L-1	Fecal Coliform	2006
Spanker Branch	WVKC-46-M	Fecal Coliform	2006
Maple Meadow Creek	WVKC-46-N	CNA-Biological Fecal Coliform Iron	2006 2006 2006
Rockhouse Fork	WVKC-46-N-1	Fecal Coliform Iron	2006 2006
Claypool Hollow	WVKC-46-N.9	Fecal Coliform	2006
Dingess Branch	WVKC-46-O	Fecal Coliform Iron	2006 2006
Surveyor Creek	WVKC-46-P	CNA-Biological Fecal Coliform Iron	2006 2006 2006
Millers Camp Branch	WVKC-46-Q	CNA-Biological Fecal Coliform Iron	2006 2006 2006
Clay Branch	WVKC-46-Q-0.1	Fecal Coliform	2006
Stephens Branch	WVKC-46-Q-1	Iron	2006
Shockley Branch	WVKC-46-Q-3	Iron	2006
Laurel Branch	WVKC-46-Q-4	Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Jehu Branch	WVKC-46-Q-5	Iron	2006
Clear Fork	WVKC-47	Aluminum (trout)	2006
		CNA-Biological	2006
		Fecal Coliform	2006
		Iron (trout)	2006
Sycamore Creek	WVKC-47-E	Fecal Coliform	2006
		Iron	2006
Stonecoal Branch	WVKC-47-F	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006
Long Branch	WVKC-47-G	Iron	2006
Dow Fork	WVKC-47-G-1	Aluminum (d)	2006
		Iron	2006
		pH	2006
Fulton Creek	WVKC-47-I	Iron	2006
White Oak Creek	WVKC-47-K	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Left Fork/White Oak Creek	WVKC-47-K-1	Iron	2006
Toney Fork	WVKC-47-L	Fecal Coliform	2006
		Iron	2006
Buffalo Fork	WVKC-47-L-1	Iron	2006
McDowell Branch	WVKC-47-N	Fecal Coliform	2006
		Iron	2006
Lick Run	WVKC-47-P.5	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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ELK WATERSHED - HUC# 05050007

Elk River	WVKE	Fecal Coliform Iron	2012 2012
Magazine Branch	WVKE-1	Fecal Coliform Iron	2012 2012
Elk Twomile Creek	WVKE-2	Fecal Coliform Iron	2012 2012
Baker Fork	WVKE-2-A	Iron	2012
Valley Grove Branch	WVKE-2-B	Fecal Coliform	2012
UNT/Elk Twomile Creek RM 6.36	WVKE-2-D	Iron	2012
Green Bottom	WVKE-2-E	CNA-Biological Fecal Coliform	2012 2012
Newhouse Branch	WVKE-3	CNA-Biological Fecal Coliform Iron	2012 2012 2012
Coonskin Branch	WVKE-4	CNA-Biological Iron	2012 2012
Mill Creek	WVKE-6	Iron	2012
Coopers Creek	WVKE-7	Fecal Coliform Iron	2012 2012
Little Coopers Creek	WVKE-7-0.5A	Iron	2012
Mile Fork	WVKE-7-A	Fecal Coliform Iron	2012 2012
Halls Fork	WVKE-7-A.5	Iron	2012
Fourmile Fork	WVKE-7-C	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Kaufman Branch	WVKE-7-E	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Indian Creek	WVKE-8	CNA-Biological	2012
		Iron	2012
Little Sandy Creek	WVKE-9	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Lick Branch	WVKE-9-A	Iron	2012
Wills Creek	WVKE-9-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Big Fork	WVKE-9-B-1	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Aarons Fork	WVKE-9-C	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Bullskin Branch	WVKE-9-E	Fecal Coliform	2012
		Iron	2012
Wolfpen Branch	WVKE-9-F	Fecal Coliform	2012
Ruffner Branch	WVKE-9-G	Fecal Coliform	2012
		Iron	2012
Poca Fork	WVKE-9-I	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Patterson Fork	WVKE-9-I-1	Fecal Coliform	2012
		Iron	2012
Canterbury Hollow	WVKE-9-I-1-B	Iron	2012
Jakes Run	WVKE-9-J	Fecal Coliform	2012
		Iron	2012
Big Fork	WVKE-9-K	Iron	2012
Rucker Fork	WVKE-9-N	Iron	2012
Hurricane Branch	WVKE-9-P	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Trail Branch	WVKE-9-P-1	Iron	2012
Pinch Creek	WVKE-10	Fecal Coliform	2012
		Iron	2012
Narrow Branch	WVKE-13	Fecal Coliform	2012
		Iron	2012
Blue Creek	WVKE-14	CNA-Biological	2012
		Iron	2012
Lower Threemile Fork	WVKE-14-B	Iron	2012
Upper Threemile Fork	WVKE-14-C	Iron	2012
Laurel Fork	WVKE-14-F	Iron	2012
Slack Branch	WVKE-14-G	Aluminum (d)	2012
		Fecal Coliform	2012
		Iron	2012
		pH	2012
Right Fork/Slack Branch	WVKE-14-G-1	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Whiteoak Fork	WVKE-14-G-2	Aluminum (d)	2012
		CNA-Biological	2012
		Iron	2012
		pH	2012
UNT/Whiteoak Fork RM 1.33	WVKE-14-G-2-B	Aluminum (d)	2012
		CNA-Biological	2012
		Iron	2012
		pH	2012
Pigeonroost Fork	WVKE-14-G-3	Iron	2012
Jims Fork	WVKE-14-G-4	Iron	2012
Sandlick Branch	WVKE-14-I	Iron	2012
Joes Hollow	WVKE-14-K	Aluminum (d)	2012
		Iron	2012
		pH	2012
Shirkey Branch	WVKE-14-L	Iron	2012
Morris Fork	WVKE-14-M	Iron	2012
Mudlick Branch	WVKE-14-M-2	Aluminum (d)	2012
		CNA-Biological	2012
		Iron	2012
		pH	2012
Hidden Hollow	WVKE-14-M-4	Aluminum (d)	2012
		Iron	2012
		pH	2012
Fivemile Fork	WVKE-14-M-5	Aluminum (d)	2012
		Iron	2012
		pH	2012
Rockcamp Fork	WVKE-14-N	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Middle Fork/Blue Creek	WVKE-14-O	Fecal Coliform	2012
		Iron (trout)	2012
Turner Fork	WVKE-14-O-1	Iron	2012
Pond Fork	WVKE-14-O-2	Iron	2012
Spruce Fork	WVKE-14-T	Iron	2012
Falling Rock Creek	WVKE-19	Fecal Coliform	2012
		Iron	2012
UNT/Falling Rock Creek RM 7.04	WVKE-19-C.8	Fecal Coliform	2012
		Iron	2012
Johnson Fork	WVKE-19-F	Iron	2012
Horse Fork	WVKE-19-G	Iron	2012
		pH	2012
Petes Fork	WVKE-19-H	Iron	2012
Jordan Creek	WVKE-20	Fecal Coliform	2012
		Iron	2012
Leatherwood Creek	WVKE-21	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Left Fork/Leatherwood Creek	WVKE-21-B	Iron	2012
Big Sandy Creek	WVKE-23	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Left Hand Creek	WVKE-23-D	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Gabes Creek	WVKE-23-D-2	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hurricane Creek	WVKE-23-D-3	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Cottontree Run	WVKE-23-D-4	Fecal Coliform	2012
		Iron	2012
Hardcamp Run	WVKE-23-D-4-A	Iron	2012
Coleman Run	WVKE-23-D-6	Fecal Coliform	2012
Little Blue Creek	WVKE-23-F	Iron	2012
Pigeon Run	WVKE-23-J	Iron	2012
Little Pigeon Run	WVKE-23-K	Iron	2012
Left Hand Run	WVKE-23-L	Fecal Coliform	2012
		Iron	2012
Little Left Hand Run	WVKE-23-L-1	Iron	2012
Ashleycamp Run	WVKE-23-L-4	Iron	2012
Two Run	WVKE-23-M	Iron	2012
Granny Creek	WVKE-23-N	Fecal Coliform	2012
		Iron	2012
Right Fork/Granny Creek	WVKE-23-N-2	Iron	2012
Dog Creek	WVKE-23-O	Iron	2012
Right Fork/Big Sandy Creek	WVKE-23-P	Iron	2012
Cookman Fork	WVKE-23-P-2	Iron	2012
Summers Fork	WVKE-23-P-2-A	Iron	2012
Middle Fork/Big Sandy Creek	WVKE-23-Q	Fecal Coliform	2012
		Iron	2012
Hollywood Run	WVKE-23-Q-0.5	Fecal Coliform	2012
		Iron	2012
Trace Fork	WVKE-23-Q-0.5-A	Iron	2012
Left Fork/Hollywood Run	WVKE-23-Q-0.5-B	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Morris Creek	WVKE-26	Aluminum (d)	2012
		Iron	2012
		pH	2012
Left Fork/Morris Creek	WVKE-26-A	Aluminum (d)	2012
		CNA-Biological	2012
		Iron	2012
		pH	2012
Queen Shoals Creek	WVKE-27	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Left Fork/Queen Shoals Creek	WVKE-27-A	Iron	2012
Porter Creek	WVKE-30	Fecal Coliform	2012
		Iron	2012
UNT/Porter Creek RM 5.49	WVKE-30-L	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Upper King Shoals Run	WVKE-32	Iron	2012
Camp Creek	WVKE-34	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Laurel Creek	WVKE-37	Fecal Coliform	2012
		Iron	2012
Laurel Fork	WVKE-37-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Horner Fork	WVKE-37-C	Fecal Coliform	2012
		Iron	2012
Reed Fork	WVKE-37-C-1	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Summers Fork	WVKE-37-D	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Hansford Fork	WVKE-37-E	Iron	2012
Valley Fork	WVKE-37-F	Iron	2012
Upper Birch Run	WVKE-39	Iron	2012
Little Sycamore Creek	WVKE-40	Iron	2012
Wade Fork	WVKE-40-A	Iron	2012
Sycamore Creek	WVKE-41	Fecal Coliform	2012
		Iron	2012
Adonijah Fork	WVKE-41-B	Fecal Coliform	2012
		Iron	2012
Right Fork/Sycamore Creek	WVKE-41-C	Fecal Coliform	2012
		Iron	2012
Grassy Fork	WVKE-41-C-1	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Little Beechy Creek	WVKE-42	Iron	2012
Blue Knob Creek	WVKE-43	Iron	2012
UNT/Elk River RM 48.53	WVKE-43.5	Aluminum (d)	2012
		Iron	2012
		pH	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Middle Creek	WVKE-45	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Lick Branch	WVKE-45-B	Fecal Coliform	2012
		Iron	2012
Leatherwood Creek	WVKE-46	Fecal Coliform	2012
		Iron	2012
		Selenium	2012
Cove Hollow	WVKE-46-A	Iron	2012
Right Fork/Leatherwood Creek	WVKE-46-C	Iron	2012
		Selenium	2012
Road Fork	WVKE-46-D	Fecal Coliform	2012
		Iron	2012
		Selenium	2012
Buffalo Creek	WVKE-50	Aluminum (d)	2012
		CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Lilly Fork	WVKE-50-B	pH	2012
		pH	2012
Big Branch	WVKE-50-B-3	Iron	2012
		pH	2012
		Selenium	2012
Beech Fork	WVKE-50-B-8	Iron	2012
		pH	2012
Sand Fork	WVKE-50-F	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hickory Fork	WVKE-50-H	Fecal Coliform	2012
		Iron (trout)	2012
Dog Run	WVKE-50-H-1	Iron	2012
Wallowhole Fork	WVKE-50-H-2	Iron	2012
Rockcamp Run	WVKE-50-I	Aluminum (trout) (d)	2012
		Fecal Coliform	2012
		Iron (trout)	2012
		pH	2012
Flat Fork	WVKE-50-I-1	Iron	2012
Hickory Fork	WVKE-50-I-3	Aluminum (d)	2012
		pH	2012
Whetstone Creek	WVKE-50-M	Iron	2012
Robinson Fork	WVKE-50-O	Iron	2012
Road Fork	WVKE-50-O-1	Iron	2012
Taylor Creek	WVKE-50-P	Aluminum (d)	2012
		CNA-Biological	2012
		Iron	2012
		pH	2012
Turkey Creek	WVKE-50-P-1	Iron	2012
Dille Run	WVKE-50-S	Aluminum (d)	2012
		CNA-Biological	2012
		pH	2012
Pheasant Run	WVKE-50-T	Aluminum (d)	2012
		Iron	2012
		pH	2012
Little Laurel Run	WVKE-57	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Big Otter Creek	WVKE-64	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Otterlick Run	WVKE-64-B	Iron	2012
Rush Fork	WVKE-64-C	Iron	2012
Moore Fork	WVKE-64-D	Fecal Coliform	2012
		Iron	2012
Wilson Fork	WVKE-64-D-1	Fecal Coliform	2012
		Iron	2012
Boggs Fork	WVKE-64-E	Iron	2012
Groves Creek	WVKE-69	Fecal Coliform	2012
		Iron	2012
O'Brion Creek	WVKE-70	Fecal Coliform	2012
		Iron	2012
Road Fork	WVKE-70-A	Fecal Coliform	2012
		Iron	2012
Duck Creek	WVKE-72	Fecal Coliform	2012
		Iron	2012
Tate Creek	WVKE-73	Fecal Coliform	2012
		Iron	2012
Laurel Fork	WVKE-73-A	Iron	2012
Strange Creek	WVKE-74	CNA-Biological	2012
		Fecal Coliform	2012
		Iron (trout)	2012
Right Fork/Strange Creek	WVKE-74-B	Iron	2012
Trace Fork	WVKE-74-E	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Dille Run	WVKE-74-H	Fecal Coliform	2012
		Iron	2012
Birch River	WVKE-76	Fecal Coliform	2012
		Iron	2012
		Iron (trout)	2012
		Selenium	2012
Leatherwood Run	WVKE-76-A	Iron	2012
Diatler Run	WVKE-76-B	Iron	2012
Middle Run	WVKE-76-C	Iron	2012
Long Run	WVKE-76-D	Iron	2012
Little Birch River	WVKE-76-E	Fecal Coliform	2012
		Iron	2012
Polemic Run	WVKE-76-E-2	Iron	2012
Laurel Run	WVKE-76-E-3	Iron	2012
Bear Run	WVKE-76-E-4	Iron	2012
Windy Run	WVKE-76-E-5	Iron	2012
Twolick Run	WVKE-76-E-6	Fecal Coliform	2012
		Iron	2012
Seng Run	WVKE-76-E-6-A	Iron	2012
Carpenter Fork	WVKE-76-E-7	Fecal Coliform	2012
		Iron	2012
Right Fork/Little Birch River	WVKE-76-E-9	Iron	2012
Lower Mill Creek	WVKE-76-J	Iron	2012
Powell Creek	WVKE-76-L	Fecal Coliform	2012
		Iron (trout)	2012
Tug Fork	WVKE-76-L-5	Iron	2012
Mill Creek	WVKE-76-M	Iron	2012
Anthony Creek	WVKE-76-N	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Poplar Creek	WVKE-76-O	Iron	2012
Skyles Creek	WVKE-76-P	Iron	2012
Jacks Run	WVKE-76-W	Aluminum (trout) (d)	2012
		Iron (trout)	2012
Back Fork	WVKE-76-X	Iron	2012
Meadow Fork	WVKE-76-Y	Iron	2012
Upper Mill Creek	WVKE-78	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Lower Rockcamp Run	WVKE-80	Iron	2012
Rockcamp Run	WVKE-82	Iron	2012
Sugar Creek	WVKE-83	Fecal Coliform	2012
		Iron	2012
Little Otter Creek	WVKE-84	CNA-Biological	2012
		Iron	2012
Rush Fork	WVKE-84-A	Iron	2012
Brushy Branch	WVKE-84-A-1	Iron	2012
Cutlips Fork	WVKE-84-B	Iron	2012
Bear Run	WVKE-84.5	Fecal Coliform	2012
		Iron	2012
Buffalo Creek	WVKE-86	Iron	2012
Granny Creek	WVKE-87	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Brush Fork	WVKE-87-A	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Laurel Fork	WVKE-87-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Granny Creek RM 4.16	WVKE-87-C	Fecal Coliform	2012
		Iron	2012
Old Woman Run	WVKE-88	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Buckeye Creek	WVKE-89	Iron	2012

LOWER KANAWHA WATERSHED - HUC# 05050008

Kanawha River (Lower)	WVK-lo	Dioxin	2000
Threemile Creek (South)	WVK-4	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Threemile Creek (North)	WVK-5	Fecal Coliform	2012
		Iron	2012
UNT/Threemile Creek RM 2.61	WVK-5-B	Iron	2012
UNT/Threemile Creek RM 7.11	WVK-5-F	Iron	2012
UNT/Threemile Creek RM 8.65	WVK-5-H	Iron	2012
Fivemile Creek	WVK-6	Fecal Coliform	2012
		Iron	2012
Little Fivemile Creek	WVK-6-A	DO	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Fivemile Creek RM 2.40	WVK-6-A.5	Iron	2012
Upper Fivemile Creek	WVK-6-B	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Lower Fivemile Creek	WVK-6-C	Iron	2012
Ninemile Creek	WVK-9	Fecal Coliform	2012
		Iron	2012
UNT/ Ninemile Creek RM 0.27	WVK-9-0.5A	Iron	2012
Upper Ninemile Creek	WVK-9-A	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Middle Ninemile Creek	WVK-9-B	Iron	2012
UNT/Ninemile Creek RM 3.25	WVK-9-C	Iron	2012
Cooper Fork	WVK-10-A	Fecal Coliform	2012
		Iron	2012
UNT/Cooper Fork RM 1.41	WVK-10-A-1	Iron	2012
UNT/UNT RM 0.39/Cooper Fork RM 1.41	WVK-10-A-1-B	Iron	2012
UNT/Cooper Fork RM 3.40	WVK-10-A-6	Iron	2012
Pond Branch	WVK-11	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Pond Branch RM 1.74	WVK-11-0.5A	Fecal Coliform	2012
		Iron	2012
UNT/Pond Branch RM 1.88	WVK-11-0.6A	Iron	2012
Thirteenmile Creek	WVK-12	Fecal Coliform	2012
		Iron	2012
UNT/Rocky Fork RM 0.69	WVK-12-0.3A	Iron	2012
Rocky Fork	WVK-12-A	Fecal Coliform	2012
		Iron	2012
Tom Allen Creek	WVK-12-B	Iron	2012
Buzzard Creek	WVK-12-D	Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Mudlick Fork	WVK-12-E	Fecal Coliform	2012
		Iron	2012
Sapsucker Run	WVK-12-E-1	Iron	2012
Beech Fork	WVK-12-E-2	Iron	2012
Bailey Branch	WVK-12-E-3	Iron	2012
Poplar Fork	WVK-12-F	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Thirteenmile Creek RM 15.64	WVK-12-F.1	Iron	2012
UNT/Thirteenmile Creek RM 15.82	WVK-12-F.2	Iron	2012
UNT/Poplar Fork RM 4.81	WVK-12-F-6	Iron	2012
Yeager Fork	WVK-12-G	Iron	2012
Baker Branch	WVK-12-H	Iron	2012
Spruce Run	WVK-12-I	Iron	2012
Long Hollow	WVK-12-K	Iron	2012
Little Spruce Run	WVK-12-L	Iron	2012
Peppermint Creek	WVK-12-M	Iron	2012
Little Sixteenmile Creek	WVK-13	Fecal Coliform	2012
		Iron	2012
Shady Fork	WVK-13-A	Iron	2012
Sixteenmile Creek	WVK-14	Fecal Coliform	2012
		Iron	2012
Slaty Hollow	WVK-14-0.2A	Iron	2012
UNT/Sixteenmile Creek RM 8.16	WVK-14-A.5	Iron	2012
Eighteenmile Creek	WVK-16	Fecal Coliform	2012
		Iron	2012
UNT/Eighteenmile Creek RM 2.84	WVK-16-0.4A	Iron	2012
Otter Branch	WVK-16-0.5A	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Jakes Run	WVK-16-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Isaacs Branch	WVK-16-C	Iron	2012
Lukes Branch	WVK-16-D	Iron	2012
Dads Branch	WVK-16-E	Iron	2012
Bear Branch	WVK-16-F	Iron	2012
Turkey Branch	WVK-16-G	Iron	2012
Left Fork/Turkey Branch	WVK-16-G-1	Iron	2012
Buffalo Branch	WVK-16-I	Iron	2012
Right Fork/Eighteenmile Creek	WVK-16-J	Fecal Coliform	2012
		Iron	2012
Slab Hollow	WVK-16-J-1	Iron	2012
Bucklick Creek	WVK-16-J-2	Iron	2012
Saltlick Creek	WVK-16-J-3	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Spring Valley Branch	WVK-16-K	Iron	2012
Sulug Branch	WVK-16-L	Iron	2012
Cherry Fork	WVK-16-M	Fecal Coliform	2012
		Iron	2012
Stumpy Run	WVK-16-M-1	Iron	2012
Painters Branch	WVK-16-M-2	Iron	2012
Sigman Fork	WVK-16-M-3	Iron	2012
Clendenin Creek	WVK-16-O	Iron	2012
Harris Branch	WVK-16-Q	Iron	2012
Buckelew Hollow	WVK-16-R	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cottrell Run	WVK-16-S	Fecal Coliform Iron	2012 2012
Five and Twenty Mile Creek	WVK-19	Fecal Coliform Iron	2012 2012
Honeycutt Run	WVK-19-A	Iron	2012
Stave Branch	WVK-19-A.5	Iron	2012
Evans Creek	WVK-19-B	Fecal Coliform Iron	2012 2012
Barnett Branch	WVK-19-B-1	Iron	2012
UNT/Evans Creek RM 1.92	WVK-19-B-4	Iron	2012
UNT/Evans Creek RM 2.30	WVK-19-B-5	Iron	2012
UNT/Five and Twenty Mile Creek RM 7.41	WVK-19-D	CNA-Biological Fecal Coliform Iron	2012 2012 2012
UNT/Little Buffalo Creek RM 1.17	WVK-20-A	CNA-Biological Fecal Coliform Iron	2012 2012 2012
UNT/UNT RM 0.44/Little Buffalo Creek RM 1.17	WVK-20-A-1	Iron	2012
Hurricane Creek	WVK-22	CNA-Biological Fecal Coliform Iron	2012 2012 2012
UNT/Hurricane Creek RM 1.64	WVK-22-0.5A	Iron	2012
Poplar Fork	WVK-22-B	CNA-Biological Fecal Coliform Iron	2012 2012 2012
Sugar Branch	WVK-22-B-1	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Cow Creek	WVK-22-B-2	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Cow Creek RM 2.33	WVK-22-B-2-F	Iron	2012
UNT/Poplar Fork RM 3.78	WVK-22-B-2.4	Iron	2012
Lick Branch	WVK-22-B-2.8	Iron	2012
Long Branch	WVK-22-B-3	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Rockstep Run	WVK-22-B-3-A	Iron	2012
UNT/Long Branch RM 1.25	WVK-22-B-3-B	Iron	2012
Crooked Creek	WVK-22-B-5	Fecal Coliform	2012
		Iron	2012
UNT/Crooked Creek RM 0.72	WVK-22-B-5-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Poplar Fork RM 9.86	WVK-22-B-6	Iron	2012
Sleepy Creek	WVK-22-C	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Trace Creek	WVK-22-C-2	Fecal Coliform	2012
		Iron	2012
Mill Creek	WVK-22-F	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Hurricane Water Supply Reservoir	WVK-22-F-(L1)	Iron	1998
		Sedimentation/Siltation	1998
		Trophic State Index	1998
Tackett Branch	WVK-22-F-1	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Mill Creek RM 1.02	WVK-22-F-2	Iron	2012
Trace Fork	WVK-22-G	Iron	2012
Bufs Branch	WVK-22-H	Iron	2012
Joes Branch	WVK-22-I	Iron	2012
Rider Creek	WVK-22-J	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Sams Fork	WVK-22-K	Fecal Coliform	2012
		Iron	2012
Little Hurricane Creek	WVK-24	Fecal Coliform	2012
		Iron	2012
Long Branch	WVK-24-A	Iron	2012
UNT/Little Hurricane Creek RM 1.35	WVK-24-A.3	Iron	2012
Harmon Branch	WVK-24-B	Iron	2012
Morrison Fork	WVK-24-C	Iron	2012
Lick Run	WVK-24-D	Iron	2012
Farley Creek	WVK-27	Fecal Coliform	2012
		Iron	2012
Bills Creek	WVK-28	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Bills Creek RM 0.81	WVK-28-A	Iron	2012
Pocatalico River	WVKP	CNA-Biological	2012
		Dioxin	2000
		Fecal Coliform	2012
		Iron	2012
Heizer Creek	WVKP-1	Iron	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Manila Creek	WVKP-1-A	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006
Sulphur Hollow	WVKP-1-A-0.4	Aluminum (d)	2006
		Iron	2006
		pH	2006
UMT/Manila Creek RM 2.3	WVKP-1-A-0.48	Aluminum (d)	2006
		Iron	2006
		pH	2006
Washington Hollow	WVKP-1-A-0.5	Iron	2006
Alcocks Hollow	WVKP-1-A-0.6	Aluminum (d)	2006
		Iron	2006
		pH	2006
UNT/Manila Creek RM 3.2	WVKP-1-A-0.8	Iron	2006
Coal Hollow	WVKP-1-A.3	Aluminum (d)	2006
		Iron	2006
		pH	2006
UMT/Heizer Creek RM 2.3	WVKP-1-A.6	Aluminum (d)	2006
		Iron	2006
		pH	2006
Clay Bank Branch	WVKP-1.8	Iron	2012
UNT/Pocatalico River RM 8.52	WVKP-2.5	Aluminum (d)	2012
		pH	2012
Kelly Creek	WVKP-3	Aluminum (d)	2012
		Iron	2012
		pH	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Harmond Creek	WVKP-4	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Harmond Creek RM 1.00	WVKP-4-B	Aluminum (d)	2012
		pH	2012
Rocky Fork	WVKP-5	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Lick Branch	WVKP-5-0.5A	Iron	2012
Fisher Branch	WVKP-5-A	Fecal Coliform	2012
		Iron	2012
Wolfpen Run	WVKP-5-B	Fecal Coliform	2012
		Iron	2012
UNT/Rocky Fork RM 4.32	WVKP-5-B.5	Fecal Coliform	2012
		Iron	2012
Howard Fork	WVKP-5-C	Fecal Coliform	2012
		Iron	2012
Martin Branch	WVKP-7	Fecal Coliform	2012
		Iron	2012
Schoolhouse Branch	WVKP-8	Fecal Coliform	2012
		Iron	2012
Campbells Branch	WVKP-8.5	Fecal Coliform	2012
		Iron	2012
Kelly Creek	WVKP-9	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Kelly Creek RM 0.51	WVKP-9-0.5A	Iron	2012
		pH	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Spring Branch	WVKP-9-A	Fecal Coliform	2012
		Iron	2012
Frog Creek	WVKP-10	Fecal Coliform	2012
		Iron	2012
Grasslick Run	WVKP-10-C	Iron	2012
Tanner Fork	WVKP-10-D	Iron	2012
Derrick Creek	WVKP-12	Fecal Coliform	2012
		Iron	2012
Tupper Creek	WVKP-13	Aluminum (d)	2006
		CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
		pH	2006
Legg Fork	WVKP-13-A	Fecal Coliform	2006
Sigman Fork	WVKP-13-A-1	Fecal Coliform	2006
Union Fork	WVKP-13-C.5	Aluminum (d)	2006
		Fecal Coliform	2006
		Iron	2006
		pH	2006
Rock Branch	WVKP-13-C.5-1	Aluminum (d)	2006
		Fecal Coliform	2006
		Iron	2006
		pH	2006
UNT/Pocatalico River RM 23.03	WVKP-13.1	Iron	2012
Grapevine Creek	WVKP-16	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Right Fork/Grapevine Creek	WVKP-16-A	Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Boardtree Run	WVKP-16-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Pocatalico Creek	WVKP-17	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Middle Fork/Pocatalico Creek	WVKP-17-B	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Sugar Creek	WVKP-17-B-4	Iron	2012
First Creek	WVKP-17-B-5	Iron	2012
Laurel Fork	WVKP-17-B-8	Iron	2012
Allen Fork	WVKP-17-C	Fecal Coliform	2012
		Iron	2012
Trace Fork	WVKP-17-C-1	Iron	2012
Dudden Fork	WVKP-17-E	Iron	2012
Dog Fork	WVKP-17-F	Iron	2012
Gays Branch	WVKP-17-J	Iron	2012
Raccoon Creek	WVKP-20	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Leatherwood Creek	WVKP-22	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Hicumbottom Run	WVKP-23	Iron	2012
Goose Creek	WVKP-25	Iron	2012
Camp Creek	WVKP-26	CNA-Biological	2012
		Iron	2012
Allen Creek	WVKP-27	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Green Creek	WVKP-28	Iron	2012
Coleman Fork	WVKP-28-A	Fecal Coliform	2012
		Iron	2012
Left Fork/Green Creek	WVKP-28-B	Iron	2012
Rush Fork	WVKP-28-C	Iron	2012
Anderson Lick Run	WVKP-28-E	CNA-Biological	2012
Straight Creek	WVKP-29	CNA-Biological	2012
		Iron	2012
White Oak Run	WVKP-30	Iron	2012
Red Oak Run	WVKP-31	Iron	2012
Wolf Creek	WVKP-32	Iron	2012
Flat Fork	WVKP-33	Fecal Coliform	2012
		Iron	2012
		PCBs	2001
Trace Fork	WVKP-33-A	Iron	2012
Higby Run	WVKP-33-B	Fecal Coliform	2012
		Iron	2012
Payne Hollow	WVKP-33-B-1	Iron	2012
Cox Fork	WVKP-33-E	Fecal Coliform	2012
		Iron	2012
Wolfcamp Run	WVKP-33-E-1	Iron	2012
Coon Creek	WVKP-33-E-2	Iron	2012
Cabbage Fork	WVKP-33-G	Fecal Coliform	2012
		Iron	2012
Wolfpen Run	WVKP-33-G-1	Iron	2012
Rock Creek	WVKP-35	Iron	2012
Big Creek	WVKP-36	Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
McKown Creek	WVKP-37	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Left Hand Run	WVKP-37-B	Iron	2012
Johnson Creek	WVKP-38	Fecal Coliform	2012
		Iron	2012
Greathouse Hollow	WVKP-38-0.8A	Fecal Coliform	2012
Pad Fork	WVKP-38-B	Iron	2012
UNT/Johnson Creek RM 6.43 (Jackson Fork)	WVKP-38-D	Iron	2012
Big Lick Run	WVKP-39	Fecal Coliform	2012
		Iron	2012
Silcott Fork	WVKP-39-A	Fecal Coliform	2012
		Iron	2012
UNT/Silcott Fork RM 1.96	WVKP-39-A-2	Iron	2012
Bear Fork	WVKP-39-C	Iron	2012
Round Knob Run	WVKP-40	Iron	2012
Rush Creek	WVKP-41	Fecal Coliform	2012
		Iron	2012
Slab Fork	WVKP-41-A	Iron	2012
Laurel Fork	WVKP-43	Fecal Coliform	2012
		Iron	2012
Flat Fork	WVKP-44	Iron	2012
Armour Creek	WVK-30	CNA-Biological	2012
		Dioxin	2000
		Fecal Coliform	2012
		Iron	2012
Blakes Creek	WVK-30-A	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Ridenour Lake	WVK-30-A-(L1)	Iron	1999
		Sedimentation/Siltation	1999
		Trophic State Index	1999
UNT/Armour Creek RM 3.25	WVK-30-B	Iron	2012
UNT/Armour Creek RM 3.54	WVK-30-C	Iron	2012
Scary Creek	WVK-32	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Scary Creek RM 0.14	WVK-32-0.1A	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
Rockstep Run	WVK-32-A	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Rockstep Run RM 0.82	WVK-32-A-2	Iron	2012
UNT/Scary Creek RM 2.13 (Crooked Creek)	WVK-32-B	Iron	2012
UNT/UNT RM 0.33/Scary Creek RM 2.13	WVK-32-B-1	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Scary Creek RM 3.84	WVK-32-E	Iron	2012
Gallatin Branch	WVK-33	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012
UNT/Gallatin Branch RM 0.47	WVK-33-A	Iron	2012
Davis Creek	WVK-39	CNA-Biological	2012
		Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Ward Hollow	WVK-39-A	Fecal Coliform Iron	2012 2012
Trace Fork	WVK-39-B	CNA-Biological Fecal Coliform Iron	2012 2012 2012
Mudsuck Branch	WVK-39-B-1	Iron	2012
Pot Branch	WVK-39-B-2	Iron	2012
Sugarcamp Creek	WVK-39-C	Iron	2012
Dry Branch	WVK-39-D	Iron	2012
Middle Fork/Davis Creek	WVK-39-E	Fecal Coliform Iron	2012 2012
Long Branch	WVK-39-E-1	Iron	2012
Rays Branch	WVK-39-F	CNA-Biological Fecal Coliform Iron	2012 2012 2012
Kirby Hollow	WVK-39-I	Iron	2012
Coal Hollow	WVK-39-J	CNA-Biological Fecal Coliform Iron	2012 2012 2012
Cane Fork	WVK-39-L	CNA-Biological Fecal Coliform Iron	2012 2012 2012
UNT/Cane Fork RM 0.83	WVK-39-L-1	Iron	2012
Kanawha Fork	WVK-39-M	Fecal Coliform Iron	2012 2012
Middlelick Branch	WVK-39-M-1	Iron	2012
Hoffman Hollow	WVK-39-M-1-A	pH	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Twomile Creek	WVK-41	CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
Woodward Branch	WVK-41-A	Fecal Coliform	2006
Pfieffer Branch	WVK-41-A-1	Fecal Coliform	2006
UNT/Woodward Branch RM 0.86	WVK-41-A-2	Fecal Coliform	2006
Chandler Branch	WVK-41-B	Fecal Coliform	2006
Sugar Creek	WVK-41-C	Fecal Coliform	2006
Left Fork/Twomile Creek	WVK-41-D	Fecal Coliform	2006
UNT/Left Fork RM 0.53/Twomile Creek	WVK-41-D-1	CNA-Biological	2006
		Fecal Coliform	2006
Rich Fork	WVK-41-D.5	Aluminum (d)	2006
		CNA-Biological	2006
		Fecal Coliform	2006
		Iron	2006
		pH	2006
Craig Branch	WVK-41-D.5-2	CNA-Biological	2006
Right Fork/Twomile Creek	WVK-41-E	Fecal Coliform	2006
Edens Fork	WVK-41-E-1	CNA-Biological	2006
		Fecal Coliform	2006
Sheldon Rock Branch	WVK-41-E-1-A	Fecal Coliform	2006
Holmes Branch	WVK-41-E-2	CNA-Biological	2006
		Fecal Coliform	2006
Trace Fork	WVK-41-E-2.5	Fecal Coliform	2006
Joplin Branch	WVK-42	Fecal Coliform	2012
		Iron	2012

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002			
Green Spring Run	WVPNB-1	Fecal Coliform	2011
Patterson Creek	WVPNB-4	Fecal Coliform	2011
Plum Run	WVPNB-4-A	Fecal Coliform	2011
UNT/Painter Run RM 0.91	WVPNB-4-C-2	Fecal Coliform	2011
Horseshoe Creek	WVPNB-4-C.5	CNA-Biological	2011
		Fecal Coliform	2011
Cabin Run	WVPNB-4-J	CNA-Biological	2011
		Fecal Coliform	2011
Pargut Run	WVPNB-4-J-1	CNA-Biological	2011
		Fecal Coliform	2011
UNT/Patterson Creek RM 16.25	WVPNB-4-J.5	CNA-Biological	2011
		Fecal Coliform	2011
Beaver Run	WVPNB-4-N	Fecal Coliform	2011
Mill Creek	WVPNB-4-S	CNA-Biological	2011
		Fecal Coliform	2011
Elliber Run	WVPNB-4-V	Fecal Coliform	2011
Mikes Run	WVPNB-4-W	Fecal Coliform	2011
North Fork/Patterson Creek	WVPNB-4-EE	Fecal Coliform	2011
Elklick Run	WVPNB-4-EE-13	Fecal Coliform	2011
UNT/North Fork RM 8.37/Patterson Creek	WVPNB-4-EE-14	Fecal Coliform	2011
Middle Fork/Patterson Creek	WVPNB-4-FF	CNA-Biological	2011
		Fecal Coliform	2011
New Creek	WVPNB-7	CNA-Biological	2011
		Fecal Coliform	2011
UNT/New Creek RM 1.30	WVPNB-7-0.5A	Fecal Coliform	2011
Stony Run	WVPNB-7-A	Fecal Coliform	2011
Block Run	WVPNB-7-C	Fecal Coliform	2011

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/New Creek RM 4.26	WVPNB-7-C.4	CNA-Biological	2011
		Fecal Coliform	2011
King Run	WVPNB-7-E	Fecal Coliform	2011
Slaughterhouse Run	WVPNB-10	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
Montgomery Run	WVPNB-11	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006
UNT/Montgomery Run RM 1.40	WVPNB-11-A	Aluminum (d)	2006
		pH	2006
Piney Swamp Run	WVPNB-12	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006
UNT/Piney Swamp Run RM 0.76	WVPNB-12-B	Aluminum (d)	2006
		Iron	2006
		pH	2006
UMT/Piney Swamp Run RM 1.80	WVPNB-12-E	Aluminum (d)	2006
		Iron	2006
		pH	2006
UNT/Piney Swamp Run RM 2.19	WVPNB-12-F	Aluminum (d)	2006
		Iron	2006
		pH	2006
Abram Creek	WVPNB-16	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Abram Creek RM 1.97	WVPNB-16-0.5A	CNA-Biological	2006
Emory Creek	WVPNB-16-A	Aluminum (d)	2006
		CNA-Biological	2006
		Iron	2006
		pH	2006
UNT/Emory Creek RM 0.78	WVPNB-16-A-1	Aluminum (d)	2006
		pH	2006
Glade Run	WVPNB-16-B.5	Aluminum (d)	2006
		Iron	2006
		pH	2006
UNT/Glade Run RM 0.30	WVPNB-16-B.5-1	Aluminum (d)	2006
		Iron	2006
		pH	2006
Laurel Run	WVPNB-16-C	Aluminum (d)	2006
		Iron	2006
		pH	2006
UNT/Abram Creek RM 13.49	WVPNB-16-C.4	Aluminum (d)	2006
		Iron	2006
		pH	2006
UMT/Abram Creek RM 15.95	WVPNB-16-C.8	Aluminum (d)	2006
		Iron	2006
		pH	2006
Little Creek	WVPNB-16-D	Aluminum (d)	2006
		Iron	2006
		pH	2006
Stony River	WVPNB-17	Iron	2001
		pH	2001
Laurel Run	WVPNB-17-B.5	pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Fourmile Run	WVPNB-17-C	Iron	2001
		pH	2001
Laurel Run	WVPNB-17-D	Iron	2001
		pH	2001
Helmick Run	WVPNB-17-E	Iron	2001
		pH	2001
Little Buffalo Creek	WVPNB-19-A	Aluminum (trout)	2006
		Iron (trout) AQ, HH	2006
		pH	2006
Elk Run	WVPNB-22-A	Iron	2006

TYGART VALLEY WATERSHED - HUC# 05020001

Tygart Valley River	WVMT	Iron	2001
		Manganese	2001
		pH	2001
Goose Creek	WVMT-4	Iron	2001
		pH	2001
Lost Run	WVMT-5	Iron	2001
		pH	2001
Berkeley Run	WVMT-11	Iron	2001
		pH	2001
Shelby Run	WVMT-11-A	Iron	2001
		pH	2001
Long Run	WVMT-11-B	Iron	2001
		pH	2001
Berry Run	WVMT-11-B-1	Iron	2001
		pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Three Fork Creek	WVMT-12	Iron	2001
		pH	2001
Raccoon Creek	WVMT-12-C	Iron	2001
		pH	2001
Little Raccoon Creek	WVMT-12-C-2	Iron	2001
Brains Creek	WVMT-12-G-2	Iron	2001
		pH	2001
Birds Creek	WVMT-12-H	Iron	2001
		pH	2001
Squires Creek	WVMT-12-H-1	Iron	2001
		pH	2001
Sandy Creek	WVMT-18	Iron	2001
		pH	2001
Glade Run	WVMT-18-C	Iron	2001
		pH	2001
Little Sandy Creek	WVMT-18-E	Iron	2001
		pH	2001
Maple Run	WVMT-18-E-1	Iron	2001
		pH	2001
Left Fork/Little Sandy Creek	WVMT-18-E-3	Iron	2001
		pH	2001
Left Fork/Sandy Creek	WVMT-18-G	Iron	2001
Frost Run	WVMT-24-A	Iron	2001
		pH	2001
Fords Run	WVMT-27	Iron	2001
		pH	2001
Anglins Run	WVMT-29	Iron	2001
		pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Island Run	WVMT-36	Iron	2001
		Manganese	2001
		pH	2001
Beaver Creek	WVMT-37	Iron	2001
		Manganese	2001
		pH	2001
Laurel Run	WVMT-39	Iron (trout)	2001
		pH	2001
UNT/Tygart Valley River RM 75.2	WVMT-40.5	Iron	2001
		pH	2001
Grassy Run	WVMT-41	Iron	2001
		pH	2001
Roaring Creek	WVMT-42	Iron	2001
		pH	2001
Buckhannon River	WVMTB	Iron (trout) AQ	1998
Pecks Run	WVMTB-5	Iron	2001
		pH	2001
UNT/Pecks Run RM 2.24	WVMTB-5-0.8A	Iron	2001
		pH	2001
Little Pecks Run	WVMTB-5-B	Iron	2001
Mud Run	WVMTB-5-C	Iron	2001
Turkey Run	WVMTB-10	Iron	2001
		pH	2001
Sugar Run	WVMTB-10-A	Iron	2001
Fink Run	WVMTB-11	Iron	2001
		pH	2001
Mud Lick	WVMTB-11-B	Iron	2001
Bridge Run	WVMTB-11-B.7	Iron	2001
		pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Bull Run	WVMTB-18-B	Iron	2001
Blacklick Run	WVMTB-18-B-2	Iron	2001
Mudlick Run	WVMTB-18-B-3	Iron	2001
Tenmile Creek	WVMTB-25	Iron (trout) AQ	1998
Panther Creek	WVMTB-27	pH	2001
Swamp Run	WVMTB-29	Iron	2001
		pH	2001
Herods Run	WVMTB-30	pH	2001
Left Fork/Buckhannon River	WVMTB-32	Iron (trout) AQ	1998
Middle Fork River	WVMTM	pH	2001
Devil Run	WVMTM-4	Iron	2001
		pH	2001
Hell Run	WVMTM-6	Iron	2001
		pH	2001
White Oak Run	WVMTM-8	Iron	2001
		pH	2001
Cassity Fork	WVMTM-16	Iron	2001
		pH	2001
Panther Run	WVMTM-16-A	Iron	2001
		pH	2001

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
HYDROLOGIC GROUP C			
GAULEY WATERSHED - HUC# 05050005			
Scrabble Creek	WVKG-1	Fecal Coliform	2008
Twentymile Creek	WVKG-5	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
		pH	2008
Buckles Branch	WVKG-5-A	Iron	2008
Bells Creek	WVKG-5-B	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Open Fork	WVKG-5-B-1	Aluminum (d)	2008
		CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
		pH	2008
Williams Hollow	WVKG-5-B-1-B	Aluminum (d)	2008
		pH	2008
Sangamore Fork	WVKG-5-B-1-C	Aluminum (d)	2008
		CNA-Biological	2008
		Iron	2008
		pH	2008
Smith Branch	WVKG-5-B-2	Fecal Coliform	2008
Hughes Fork	WVKG-5-B-4	Iron	2008
		Selenium	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Rockcamp Fork	WVKG-5-B-5	Fecal Coliform	2008
Campbell Fork	WVKG-5-B-7	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Rockcamp Fork	WVKG-5-F	Aluminum (d)	2008
		CNA-Biological	2008
		pH	2008
Spring Branch	WVKG-5-F-1	Aluminum (d)	2008
		CNA-Biological	2008
		Iron	2008
		pH	2008
Lilly Branch	WVKG-5-G	Iron	2008
Hardway Branch	WVKG-5-K	Iron	2008
UNT/Hardway Branch RM 1.00	WVKG-5-K-2	Iron	2008
Boardtree Branch	WVKG-5-M	Iron	2008
Sugarcamp Branch	WVKG-5-N	Iron	2008
Stillhouse Branch	WVKG-5-O	Iron	2008
Robinson Fork	WVKG-5-P	Iron	2008
UNT/Robinson Fork RM 1.23	WVKG-5-P-4	Iron	2008
UNT/Twentymile Creek RM 17.20	WVKG-5-P.5	Iron	2008
Rader Fork	WVKG-5-R	Iron	2008
Rich Creek	WVKG-6	Fecal Coliform	2008
		Iron (trout) AQ, HH	2008
Lick Branch	WVKG-6-A	Fecal Coliform	2008
Bridge Fork	WVKG-6-B	Iron	2008
Kelly Fork	WVKG-6-D	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Peters Creek	WVKG-13	Fecal Coliform Iron (trout) AQ, HH	2008 2008
Otter Creek	WVKG-13-B	Fecal Coliform Iron	2008 2008
Line Creek	WVKG-13-C	Fecal Coliform	2008
Right Fork/Line Creek	WVKG-13-C-1	Iron	2008
UNT/Line Creek RM 1.31	WVKG-13-C-3	Aluminum (d) pH	2008 2008
Laurel Creek	WVKG-13-E	Fecal Coliform	2008
Jerry Fork	WVKG-13-F	Iron	2008
Jones Branch	WVKG-13-G	Fecal Coliform Iron	2008 2008
Keenan Branch	WVKG-13-H	Fecal Coliform	2008
Whitewater Branch	WVKG-13-J	Fecal Coliform	2008
Buck Garden Creek	WVKG-13-K	Fecal Coliform Iron	2008 2008
Hutchison Branch	WVKG-13-K-1	Fecal Coliform Iron	2008 2008
Rockcamp Branch	WVKG-13-L	Iron	2008
McClung Branch	WVKG-13-M	Fecal Coliform Iron	2008 2008
Pine Run	WVKG-13-N	Iron (trout) AQ	2008
Bryant Branch	WVKG-13-O	Iron	2008
Sewell Creek	WVKG-19-Q	Fecal Coliform Iron	2008 2008
Little Sewell Creek	WVKG-19-Q-1	Fecal Coliform Iron	2008 2008
Boggs Creek	WVKG-19-Q-1-A	Iron	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Briery Creek	WVKG-19-U-2-A	Aluminum (d) (trout) pH	2008 2008
Little Clear Creek	WVKG-19-V	Iron (trout) AQ, HH pH	2008 2008
Beaver Creek	WVKG-19-V-1	Iron	2008
Stony Run	WVKG-19-V-2	Iron	2008
Rader Run	WVKG-19-V-3	Iron	2008
UNT/Little Clear Creek RM 7.5	WVKG-19-V-3.8	Iron	2008
Cutlip Branch	WVKG-19-V-4	Iron	2008
Laurel Creek	WVKG-19-V-5	Iron (trout) pH	2008 2008
Kuhn Branch	WVKG-19-V-7	Iron (trout) AQ	2008
Joe Knob Branch	WVKG-19-V-7-A	Iron	2008
Hominy Creek	WVKG-24	Iron (trout) AQ	2008
Brushy Meadow Creek	WVKG-24-E-2	Fecal Coliform Iron (trout) AQ, HH	2008 2008
UNT/Brushy Meadow Creek RM 1.32	WVKG-24-E-2-B	Fecal Coliform	2008
UNT/Hominy Creek RM 19.37 (Colt Ridge Branch)	WVKG-24-I	Iron	2008
Jones Run	WVKG-26-B-2	CNA-Biological Fecal Coliform	2008 2008
Duffy Branch	WVKG-26-C	Iron	2008
Phillips Run	WVKG-26-D	Iron	2008
Enoch Branch	WVKG-26-H	Iron	2008
McMillion Creek	WVKG-26-I	Iron	2008
Brushy Fork	WVKG-26-K	Iron (trout)	2008
Lower Spruce Run	WVKG-26-K-1	Iron	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Spruce Run	WVKG-26-K-1-A	Aluminum (d)	2008
		Iron	2008
		pH	2008
Falls Run	WVKG-26-O-2	pH	2008
Laurel Fork	WVKG-26-P	Iron	2008
Big Beaver Creek	WVKG-30	Fecal Coliform	2008
Wyatt Run	WVKG-30-D	Fecal Coliform	2008
Little Beaver Creek	WVKG-30-E	Fecal Coliform	2008
UNT/Little Beaver Creek RM 4.0	WVKG-30-E-4	Fecal Coliform	2008
		Iron	2008
Left Fork/Big Beaver Creek	WVKG-30-H	Fecal Coliform	2008
Paddy Run	WVKG-30-K	Iron	2008
Bearpen Fork	WVKG-30-L	CNA-Biological	2008
		Iron	2008
Upper Laurel Run	WVKG-30-P	Aluminum (d)	2008
		pH	2008
Little Laurel Creek	WVKG-31	pH	2008
UNT/Little Laurel Creek RM 1.12	WVKG-31-B	pH	2008
UNT/Little Laurel Creek RM 1.89	WVKG-31-C	pH	2008
Panther Creek	WVKG-32	Aluminum (d) (trout)	2008
		Iron (trout)	2008
Nettle Run	WVKG-32-I	Iron	2008
Cranes Nest Run	WVKG-32-J	Iron (trout)	2008
Windy Run	WVKG-34-H-8	pH	2008
Armstrong Run	WVKG-34-H-9	pH	2008
Carpenter Run	WVKG-34-H-11.5	pH	2008
Turkey Creek	WVKG-60	pH	2008
Right Fork/Turkey Creek	WVKG-60-A	pH	2008
Big Run	WVKG-70	pH	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Barrenshe Run	WVKGC-4	pH	2008
Aldrich Branch	WVKGC-9	pH	2008
Lick Branch	WVKGC-14	pH	2008
Little Rough Run	WVKGC-17.3	pH	2008
Cold Run	WVKGC-18	pH	2008
Dogway Fork	WVKGC-19	pH	2008
Birchlog Run	WVKGC-21	pH	2008
Tumbling Rock Run	WVKGC-22	pH	2008
North Fork/Cranberry River	WVKGC-24	pH	2008
Left Fork/North Fork/Cranberry River	WVKGC-24-C	pH	2008
Craig Run	WVKGW-1	pH	2008
Middle Fork/Williams River	WVKGW-10	pH	2008
Kens Creek	WVKGW-18	pH	2008
Tea Creek	WVKGW-20	pH	2008
Sugar Creek	WVKGW-21	pH	2008
UNT/Sugar Creek RM 2.5	WVKGW-21-B	pH	2008

LOWER GUYANDOTTE WATERSHED - HUC# 05070102

Guyandotte River (Lower)	WVOG-lo	Fecal Coliform	2004
		Iron	2004
Right Fork/Merritt Creek	WVOG-10-A	CNA-Biological	2004
		Iron	2004
Limestone Branch	WVOG-48	Iron	2004
		pH	2004
Big Creek	WVOG-49	Aluminum (d)	2004
Ed Stone Branch	WVOG-49-A	CNA-Biological	2004
		Iron	2004
		pH	2004

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
North Branch/Ed Stone Branch	WVOG-49-A-1	Iron	2004
		pH	2004
Crawley Creek	WVOG-51	Aluminum (d)	2004
Godby Branch	WVOG-53	CNA-Biological	2004
		Iron	2004
		Manganese	2004
		pH	2004
Buffalo Creek	WVOG-61	Aluminum (d)	2004
		Iron	2004
		Manganese	2004
		pH	2004
Right Fork/Buffalo Creek	WVOG-61-A	Iron	2004
		pH	2004
Mud River	WVOGM	CNA-Biological	2004
		Selenium	2004
Sugartree Branch	WVOGM-47	CNA-Biological	2004
		Selenium	2004
Stanley Fork	WVOGM-48	CNA-Biological	2004
		Selenium	2004

MIDDLE OHIO NORTH WATERSHED - HUC# 05030201

Ohio River (Middle North)	WVO-mn	PCBs	2002
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Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202

Ohio River (Middle South)	WVO-ms	Dioxin	2000
		PCBs	2002
Turkey Run Lake	WVO-37-(L1)	Iron	1999
		Sedimentation/Siltation	1999
		Trophic State Index	1999

POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004

Elks Run	WVP-1	CNA-Biological	2008
		Fecal Coliform	2008
Elk Branch	WVP-1-A	CNA-Biological	2008
		Fecal Coliform	2008
UNT/Potomac River RM 199.27	WVP-2.2	CNA-Biological	2008
		Fecal Coliform	2008
Opequon Creek	WVP-4	CNA-Biological	2008
		Fecal Coliform	2008
Hoke Run	WVP-4-A	CNA-Biological	2008
		Fecal Coliform	2008
Eagle Run	WVP-4-B	CNA-Biological	2008
		Fecal Coliform	2008
Tuscarora Creek	WVP-4-C	CNA-Biological	2008
		Fecal Coliform	2008
Dry Run	WVP-4-C-1	CNA-Biological	2008
		Fecal Coliform	2008
Evans Run	WVP-4-D	CNA-Biological	2008
Shaw Run	WVP-4-F	CNA-Biological	2008
		Fecal Coliform	2008
Buzzard Run	WVP-4-H	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hopewell Run	WVP-4-I	CNA-Biological Fecal Coliform	2008 2008
UNT/Hopewell Run RM 1.85 (South Branch)	WVP-4-I-2	Fecal Coliform	2008
Middle Creek	WVP-4-J	CNA-Biological Fecal Coliform	2008 2008
Goose Creek	WVP-4-J-1	Fecal Coliform	2008
Three Run	WVP-4-L	Fecal Coliform	2008
Mill Creek	WVP-4-M	CNA-Biological Fecal Coliform	2008 2008
Sylvan Run	WVP-4-M-1	CNA-Biological	2008
Torytown Run	WVP-4-M-2	CNA-Biological Fecal Coliform	2008 2008
Turkey Run	WVP-4-N	CNA-Biological Fecal Coliform	2008 2008
Silver Spring Run	WVP-4-P	CNA-Biological Fecal Coliform	2008 2008
Jordan Run	WVP-4.5	Fecal Coliform	2008
Harlan Run	WVP-5	CNA-Biological Fecal Coliform	2008 2008
Tulissus Branch	WVP-5-A	CNA-Biological Fecal Coliform	2008 2008
Sleepy Creek	WVP-9	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
TUG FORK WATERSHED - HUC# 05070201			
Tug Fork	WVBST	Iron	2002
Powdermill Branch	WVBST-3	Iron	2002
Pigeon Creek	WVBST-24	Iron	2002
		pH	2002
Millstone Branch	WVBST-24-O	Iron	2002
Sugartree Creek	WVBST-32	Iron	2002
Williamson Creek	WVBST-33	Iron	2002
Sprouse Creek	WVBST-38	Iron	2002
Rutherford Branch	WVBST-40-B	Iron	2002
		pH	2002
Mitchell Branch	WVBST-40-C	Iron	2002
Chafin Branch	WVBST-40-D	Iron	2002
Thacker Creek	WVBST-42	Iron	2002
		Manganese	2002
		pH	2002
Scissorsville Branch	WVBST-42-A	Iron	2002
		Manganese	2002
		pH	2002
Mauchlinville Branch	WVBST-42-B	Iron	2002
		Manganese	2002
		pH	2002
Grapevine Creek	WVBST-43	Iron	2002
		Manganese	2002
Lick Fork	WVBST-43-A	Iron	2002
Panther Creek	WVBST-60	Iron	2002
Cub Branch	WVBST-60-D	Iron	2002
Grapevine Branch	WVBST-70-F	Iron	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Beartown Branch	WVBST-70-I	Iron	2002
Atwell Branch	WVBST-70-O	Iron	2002
Clear Fork	WVBST-76	Iron	2002
Shabbyroom Branch	WVBST-78-B	Iron	2002
Honeycamp Branch	WVBST-78-D	Iron	2002
Coontree Branch	WVBST-78-E	Iron	2002
Stonecoal Branch	WVBST-78-F	Iron	2002
Badway Branch	WVBST-78-G	Iron	2002
Newson Branch	WVBST-78-H	Iron	2002
Moorecamp Branch	WVBST-78-I	Iron	2002
Left Fork/Davy Branch	WVBST-85-A	Iron	2002
Shannon Branch	WVBST-94	Iron	2002
Upper Shannon Branch	WVBST-95	Iron	2002
Puncheoncamp Branch	WVBST-98-A	Iron	2002
Little Indian Creek	WVBST-100	Iron	2002
Jed Branch	WVBST-102	Iron	2002
Rock Narrows Branch	WVBST-103	Iron	2002
Harris Branch	WVBST-104	Iron	2002
Mitchell Branch	WVBST-105	Iron	2002
Sugarcamp Branch	WVBST-106	Iron	2002
Grapevine Branch	WVBST-107	Iron	2002
Sandlick Creek	WVBST-109	Iron	2002
Right Fork/Sandlick Creek	WVBST-109-A	Iron	2002
Left Fork/Sandlick Creek	WVBST-109-B	Iron	2002
Adkin Branch	WVBST-110	Iron	2002
Belcher Branch	WVBST-111	Iron	2002
Turnhole Branch	WVBST-112	Iron	2002
Harmon Branch	WVBST-113	Iron	2002
South Fork/Tug Fork	WVBST-115	Iron	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Tea Branch	WVBST-115-A	Iron	2002
McClure Branch	WVBST-115-B	Iron	2002
Jump Branch	WVBST-115-D	Iron	2002
Spice Creek	WVBST-115-E	Iron	2002
Laurel Branch	WVBST-115-F	Iron	2002
Road Fork	WVBST-115-G	Iron	2002
Belcher Branch	WVBST-116	Iron	2002
Loop Branch	WVBST-117	Iron	2002
Mill Branch	WVBST-118	Iron	2002
Dry Branch	WVBST-119	Iron	2002
Little Creek	WVBST-120	Iron	2002
Indian Grave Branch	WVBST-120-A	Iron	2002
Puncheoncamp Branch	WVBST-120-B	Iron	2002
Millseat Branch	WVBST-121	Iron	2002
Ballard Harmon Branch	WVBST-122	Iron	2002
Sams Branch	WVBST-123	Iron	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
HYDROLOGIC GROUP D			
GREENBRIER WATERSHED - HUC# 05050003			
Greenbrier River	WVKNG	Fecal Coliform	2008
Big Creek	WVKNG-3	Fecal Coliform	2008
Hungard Creek	WVKNG-13	Fecal Coliform	2008
Kelly Creek	WVKNG-15	Fecal Coliform	2008
Flint Hollow	WVKNG-15-A	Fecal Coliform	2008
Wolf Creek	WVKNG-18	Fecal Coliform	2008
Laurel Creek	WVKNG-18-A	Fecal Coliform	2008
Broad Run	WVKNG-18-B	Fecal Coliform	2008
Muddy Creek	WVKNG-22	Fecal Coliform	2008
Mill Creek	WVKNG-22-A	Fecal Coliform	2008
Kitchen Creek	WVKNG-22-C	Fecal Coliform	2008
UNT/Muddy Creek RM 20.10	WVKNG-22-E	Fecal Coliform	2008
Sinking Creek	WVKNG-22-E-1-(S)	Fecal Coliform	2008
Hughart Creek	WVKNG-22-E-1-A-(S)	Fecal Coliform	2008
Milligan Creek	WVKNG-22.7-A-1-(S)	Fecal Coliform	2008
Second Creek	WVKNG-23	Fecal Coliform	2008
Back Creek	WVKNG-23-H	Fecal Coliform	2008
Kitchen Creek	WVKNG-23-G	Fecal Coliform	2008
Monroe Draft	WVKNG-25-A	Fecal Coliform	2008
Little Creek	WVKNG-28-D	Fecal Coliform	2008
Whites Draft	WVKNG-28-F	Fecal Coliform	2008
UNT/Whites Draft RM 2.00	WVKNG-28-F-2	Fecal Coliform	2008
Meadow Creek	WVKNG-28-Q	Fecal Coliform	2008
Spring Creek	WVKNG-30	Fecal Coliform	2008
Beaver Creek	WVKNG-47	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Swago Creek	WVKNG-49	Fecal Coliform	2008
Knapp Creek	WVKNG-53	Fecal Coliform	2008
Browns Creek	WVKNG-53-D	Fecal Coliform	2008
Douthat Creek	WVKNG-53-H	Fecal Coliform	2008
Stony Creek	WVKNG-55	Fecal Coliform	2008
Indian Draft	WVKNG-55-A	Fecal Coliform	2008
Thorny Creek	WVKNG-59	Fecal Coliform	2008
UNT/Thorny Creek RM 9.27	WVKNG-59-E	Fecal Coliform	2008
Cloverlick Creek (Clover Creek)	WVKNG-61	Fecal Coliform	2008
Shock Run	WVKNG-66-D	Fecal Coliform	2008
Galford Run	WVKNG-66-E	Fecal Coliform	2008
Deer Creek	WVKNG-68	Fecal Coliform	2008
Buffalo Run	WVKNG-68-F	Fecal Coliform	2008
Allegheny Run	WVKNG-75	Fecal Coliform	2008

JAMES WATERSHED - HUC# 2080201

South Fork/Potts Creek	WVJ-1-E	Fecal Coliform	2008
Ray Fork	WVJ-1-E-1	CNA-Biological	2008
		Fecal Coliform	2008
UNT/Sweet Springs Creek RM 5.55	WVJ-2-H	Fecal Coliform	2008

LITTLE KANAWHA WATERSHED - HUC# 05030203

Little Kanawha River	WVLK	Iron	2000
Mountwood Park Lake	WVLK-10-(L1)	Sedimentation/Siltation	1998
Reedy Creek	WVLK-25	Iron	2000
Spring Creek	WVLK-31	Iron	2000

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Duck Creek	WVLK-82	CNA-Biological Iron	2008 2008
Lynch Run	WVLK-85	CNA-Biological Iron Fecal Coliform Manganese	2008 2008 2008 2008
UNT/Lynch Run RM 0.91	WVLK-85-C	Iron	2008
Sand Fork	WVLK-86	Iron	2000
Duskcamp Run	WVLK-88	CNA-Biological Fecal Coliform Iron	2008 2008 2008
Right Fork/Duskcamp Run	WVLK-88-A	CNA-Biological Iron	2008 2008
Copen Run	WVLK-90	Fecal Coliform	2008
Saltlick Creek	WVLK-95	Iron	2000
Saltlick Pond 9	WVLK-95-(L1)	Sedimentation/Siltation	2000

LOWER NEW WATERSHED - HUC# 05050004

New River (Lower)	WVKN-lo	Fecal Coliform	2008
Laurel Creek	WVKN-5	Fecal Coliform	2008
Mill Creek	WVKN-7	Fecal Coliform	2008
UNT/Mill Creek RM 1.71	WVKN-7-0.5A	Fecal Coliform	2008
Osborne Creek	WVKN-7-B	CNA-Biological Fecal Coliform Iron	2008 2008 2008
UNT/Osborne Creek RM 0.62	WVKN-7-B-0.3	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Marr Branch	WVKN-9	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
UNT/Marr Branch RM 1.00	WVKN-9-A	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Wolf Creek	WVKN-10	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
House Branch	WVKN-10-A	Fecal Coliform	2008
Crooked Run	WVKN-10-B	Fecal Coliform	2008
Short Creek	WVKN-10-C	Fecal Coliform	2008
UNT/Wolf Creek RM 9.08	WVKN-10-M	Aluminum (d)	2008
		Iron	2008
		pH	2008
Keeney Creek	WVKN-15	Fecal Coliform	2008
Coal Run	WVKN-16	Fecal Coliform	2008
Floyd Creek	WVKN-17-B	Aluminum (d)	2008
		CNA-Biological	2008
		Iron	2008
		pH	2008
Arbuckle Creek	WVKN-21	CNA-Biological	2008
		Fecal Coliform	2008
		Iron (trout) AQ	2008
Rocklick Creek	WVKN-21-A	Fecal Coliform	2008
Dunloup Creek	WVKN-22	Fecal Coliform	2002
		Iron	2002
		Iron (trout) AQ	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Meadow Fork	WVKN-22-B	Iron	2002
		pH	2002
Mill Creek	WVKN-22-K	Aluminum (d)	2008
		CNA-Biological	2008
		Iron	2008
		pH	2008
Piney Creek	WVKN-26	Fecal Coliform	2008
		Iron (trout) AQ	2008
Batoff Creek	WVKN-26-A	Aluminum (d)	2008
		Iron (trout) AQ, HH	2008
		pH	2008
Cranberry Creek	WVKN-26-E	CNA-Biological	2008
		Fecal Coliform	2008
		Iron (trout) AQ, HH	2008
Little Whitestick Creek	WVKN-26-E-1	Fecal Coliform	2008
Beaver Creek	WVKN-26-F	CNA-Biological	2008
		Fecal Coliform	2008
		Iron (trout) AQ	2008
Little Beaver Creek	WVKN-26-F-2	CNA-Biological	2008
		Fecal Coliform	2008
Whitestick Creek	WVKN-26-G	CNA-Biological	2008
		Fecal Coliform	2008
Soak Creek	WVKN-26-K	Fecal Coliform	2008
Bowyer Creek	WVKN-26-M	Fecal Coliform	2008
		Iron	2008
Laurel Creek	WVKN-26-N	Fecal Coliform	2008
		Iron	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Glade Creek	WVKN-29	CNA-Biological	2008
		Fecal Coliform	2008
Meadow Creek	WVKN-32	Fecal Coliform	2008
Brooks Branch	WVKN-42	Fecal Coliform	2008
Madam Creek	WVKN-44	Fecal Coliform	2008
Beech Run	WVKN-45	Fecal Coliform	2008

MONONGAHELA WATERSHED - HUC# 05020003

Camp Run	WVM-2.1	Iron	2002
		pH	2002
UNT/Monongahela River RM 93.07	WVM-2.6	Iron	2002
		pH	2002
Laurel Run	WVM-2.7	Iron	2002
		pH	2002
West Run	WVM-3	Iron	2002
		pH	2002
Robinson Run	WVM-4	Iron	2002
		pH	2002
Crafts Run	WVM-4-A	Iron	2002
		pH	2002
UNT/Robinson Run RM 1.09	WVM-4-B	Iron	2002
		pH	2002
Scotts Run	WVM-6	Iron	2002
Dents Run	WVM-7	Iron	2002
UNT/Dents Run RM 3.60	WVM-7-C	Iron	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Deckers Creek	WVM-8	Iron	2002
		Manganese	2002
		pH	2002
Hartman Run	WVM-8-0.5A	Iron	2002
		pH	2002
UNT/Deckers Creek RM 5.70	WVM-8-A.7	Iron	2002
		pH	2002
Glady Run	WVM-8-D	Iron	2002
		pH	2002
Slabcamp Run	WVM-8-F	Iron	2002
		pH	2002
Dillan Creek	WVM-8-G	Iron	2002
Laurel Run/Deckers Creek	WVM-8-H	Iron	2002
		pH	2002
Kanes Creek	WVM-8-I	Iron	2002
		pH	2002
Cobun Creek	WVM-9	pH	2002
Booths Creek	WVM-10	Iron	2002
		Manganese	2002
		pH	2002
Owl Creek	WVM-10-D	Iron	2002
		pH	2002
Mays Run	WVM-10-E	Iron	2002
		pH	2002
UNT/Booths Creek RM 6.27	WVM-10-F	Iron	2002
		pH	2002
Brand Run	WVM-11	Iron	2002
		Manganese	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Flaggy Meadow Run	WVM-14	Iron	2002
Birchfield Run	WVM-15	Iron	2002
		pH	2002
Parker Run	WVM-20	Iron	2002
		pH	2002
UNT/Monongahela River RM 123.45	WVM-20.2	Iron	2002
		pH	2002
Pharaoh Run	WVM-21	Iron	2002
Robinson Run	WVM-22-C	Iron	2002
		pH	2002
Sugar Run	WVM-22-K	Iron	2002
		Manganese	2002
		pH	2002
Mod Run	WVM-23-K	Iron	2002
Fleming Fork	WVM-23-N-1	Iron	2002
Whetstone Run	WVM-23-Q	Iron	2002
		pH	2002
Joes Run	WVM-23-R	Iron	2002
		pH	2002
UNT/Monongahela River RM 126.94	WVM-22.9	Iron	2001
UNT/Monongahela River RM 128.55	WVM-25.9	Iron	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UPPER NEW WATERSHED - HUC# 05050002			
Indian Creek	WVKN-51	CNA-Biological	2008
		Fecal Coliform	2008
Bradshaw Creek	WVKN-51-A	Fecal Coliform	2008
Stinking Lick Creek	WVKN-51-B	Fecal Coliform	2008
Hans Creek	WVKN-51-D	Fecal Coliform	2008
Indian Draft	WVKN-51-G	Fecal Coliform	2008
UNT/Indian Draft RM 1.46	WVKN-51-G-1	Fecal Coliform	2008
Laurel Creek	WVKN-51-H-(S)	Fecal Coliform	2008
Cooks Run	WVKN-51-I	Fecal Coliform	2008
Rock Camp Creek	WVKN-51-K	Fecal Coliform	2008
Turkey Creek	WVKN-51-O	Fecal Coliform	2008
Gin Hollow	WVKN-51-R	Fecal Coliform	2008
Burnside Branch	WVKN-51-S-1-(S)	Fecal Coliform	2008
Adair Run	WVKN-59	Fecal Coliform	2008
East River	WVKN-60	Fecal Coliform	2008
Fivemile Creek	WVKN-60-C	Fecal Coliform	2008
Possum Hollow	WVKN-60-C-2	Fecal Coliform	2008
Hales Branch	WVKN-60-C-3	Fecal Coliform	2008
Payne Branch	WVKN-60-C-4	Fecal Coliform	2008
Rich Creek	WVKN-61	Fecal Coliform	2008
Brush Creek	WVKN-61-A	Fecal Coliform	2008
Scott Branch	WVKN-61-B	Fecal Coliform	2008
Crooked Creek	WVKN-61-C	Fecal Coliform	2008
Mud Run	WVKN-61-D	Fecal Coliform	2008
Dry Creek	WVKN-61-E	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Painter Run	WVKN-61-E-1	Fecal Coliform	2008
Bluestone River	WVKNB	CNA-Biological	2008
		Fecal Coliform	2008
Pipestem Creek	WVKNB-1	Fecal Coliform	2008
Suck Creek	WVKNB-3-A	Fecal Coliform	2008
UNT/Jumping Branch RM 1.99	WVKNB-3-C-1-D	Fecal Coliform	2008
UNT/Jumping Branch RM 2.48	WVKNB-3-C-1-E	Fecal Coliform	2008
Mountain Creek	WVKNB-5	Fecal Coliform	2008
North Fork/Mountain Creek	WVKNB-5-B	Fecal Coliform	2008
Brush Creek	WVKNB-12	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Laurel Creek	WVKNB-12-B	Fecal Coliform	2008
Glady Fork	WVKNB-12-H	Fecal Coliform	2008
South Fork/Brush Creek	WVKNB-12-J	Fecal Coliform	2008
Middle Fork/South Fork/Brush Creek	WVKNB-12-J-2	Fecal Coliform	2008
Camp Creek	WVKNB-13	Fecal Coliform	2008
Wolf Creek	WVKNB-15	Fecal Coliform	2008
Rich Creek	WVKNB-18	Fecal Coliform	2008
		Iron	2008
Blacklick Creek	WVKNB-22	Fecal Coliform	2008
Rocky Branch	WVKNB-22-A	Fecal Coliform	2008
Barn Branch	WVKNB-22-C	Fecal Coliform	2008
Widemouth Creek	WVKNB-28	Fecal Coliform	2008
Righthand Fork/Widemouth Creek	WVKNB-28-B	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Lefthand Fork/Widemouth Creek	WVKNB-28-C	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Crane Creek	WVKNB-30	CNA-Biological	2008
		Fecal Coliform	2008
		Iron (trout) AQ	2008
Belcher Branch	WVKNB-30-C	Iron	2008
UNT/Crane Creek RM 4.47	WVKNB-30-D.5	Fecal Coliform	2008
Simmons Creek	WVKNB-33	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Laurel Fork	WVKNB-34.5	CNA-Biological	2008
		Fecal Coliform	2008
Butt Hollow (Lick Branch)	WVKNB-35	Fecal Coliform	2008
Brush Fork	WVKNB-36	CNA-Biological	2008
		Fecal Coliform	2008
		Iron	2008
Neal Hollow	WVKNB-37	Fecal Coliform	2008

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
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HYDROLOGIC GROUP E

CACAPON WATERSHED - HUC# 02070003

Lost River	WVPC-24	Fecal Coliform	1998
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DUNKARD WATERSHED - HUC# 05020005

Dunkard Creek	WVM-1	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Dolls Run	WVM-1-A	CNA-Biological	2009
		Fecal Coliform	2009
Pedlar Run	WVM-1-A-1	CNA-Biological	2009
		Fecal Coliform	2009
UNT/Pedlar Run RM 1.20	WVM-1-A-1-B	Fecal Coliform	2009
Smoky Drain	WVM-1-A-2	CNA-Biological	2009
		Fecal Coliform	2009
Jakes Run	WVM-1-B.1	CNA-Biological	2009
		Fecal Coliform	2009
UNT/Jakes Run RM 2.33	WVM-1-B.1-2	Fecal Coliform	2009
UNT/Jakes Run RM 5.54	WVM-1-B.1-12	Fecal Coliform	2009
Blacks Run	WVM-1-B.3	CNA-Biological	2009
Days Run	WVM-1-C	CNA-Biological	2009
		Fecal Coliform	2009
Shriver Run	WVM-1-C-3	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Building Run	WVM-1-C-3-A	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Days Run RM 5.86	WVM-1-C-4	CNA-Biological Fecal Coliform	2009 2009
Roberts Run	WVM-1-D.4	Fecal Coliform	2009
Miracle Run	WVM-1-E	Fecal Coliform	2009
Thomas Run	WVM-1-E-1	Fecal Coliform	2009
Right Branch/Miracle Run	WVM-1-E-2	CNA-Biological Fecal Coliform	2009 2009
Scott Run	WVM-1-E-4	Fecal Coliform	2009
West Virginia Fork/Dunkard Creek	WVM-1-F	Chloride Fecal Coliform Iron	2009 2009 2009
Wise Run	WVM-1-F-3	CNA-Biological Fecal Coliform	2009 2009
Range Run	WVM-1-F-5	CNA-Biological Fecal Coliform	2009 2009
North Fork/West Virginia Fork	WVM-1-F-6	CNA-Biological Fecal Coliform	2009 2009
Camp Run	WVM-1-F-6-A	CNA-Biological Fecal Coliform	2009 2009
South Fork/West Virginia Fork	WVM-1-F-7	Chloride Fecal Coliform Iron	2009 2009 2009
Middle Fork/South Fork/West Virginia Fork	WVM-1-F-7-A	Fecal Coliform	2009
UNT/South Fork RM 2.94/West Virginia Fork	WVM-1-F-7-F	Chloride	2009
Pennsylvania Fork/Dunkard Creek	WVM-1-G	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
LOWER OHIO WATERSHED - HUC# 05090101			
Ohio River (Lower)	WVO-lo	Dioxin	2000
		PCBs	2002
Fourpole Creek	WVO-3	Fecal Coliform	2002
TWELVEPOLE WATERSHED - HUC# 05090102			
Camp Creek	WVO-2-Q-8	Aluminum (d)	2009
		CNA-Biological	2009
		Iron	2009
		pH	2009
UNT/Camp Creek RM 0.50	WVO-2-Q-8-0.5A	Aluminum (d)	2009
		pH	2009
Left Fork/Camp Creek	WVO-2-Q-8-A	Aluminum (d)	2009
		CNA-Biological	2009
		Fecal Coliform	2009
		pH	2009
Tiger Fork	WVO-2-Q-8-A-1	Fecal Coliform	2009
Right Fork/Camp Creek	WVO-2-Q-8-B	Aluminum (d)	2009
		CNA-Biological	2009
		Iron	2009
		pH	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UPPER GUYANDOTTE WATERSHED - HUC# 05070101			
Guyandotte River (Upper)	WVOG-up	Aluminum (d)	2004
		CNA-Biological	2004
		Fecal Coliform	2004
		Iron	2004
Island Creek	WVOG-65	Aluminum (d)	2004
Coal Branch	WVOG-65-A	CNA-Biological	2004
		Iron	2004
		pH	2004
Copperas Mine Fork	WVOG-65-B	Aluminum (d)	2004
		CNA-Biological	2004
		Iron	2004
		pH	2004
Mud Fork	WVOG-65-B-1	CNA-Biological	2004
		Iron	2004
		pH	2004
Lower Dempsey Branch	WVOG-65-B-1-A	CNA-Biological	2004
		Iron	2004
		pH	2004
Ellis Branch	WVOG-65-B-1-B	CNA-Biological	2004
		Iron	2004
		pH	2004
Upper Dempsey Branch	WVOG-65-B-1-E	CNA-Biological	2004
		Iron	2004
		pH	2004
Trace Fork	WVOG-65-B-4	CNA-Biological	2004
		Iron	2004
		pH	2004

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Buffalo Creek	WVOG-75	Aluminum (d)	2004
Mudlick Branch	WVOG-75-C.5	CNA-Biological	2004
		Iron	2004
		pH	2004
Huff Creek	WVOG-76	CNA-Biological	2004
		Iron	2004
		Manganese	2004
Toney Fork	WVOG-76-L	CNA-Biological	2004
		Iron	2004
Oldhouse Branch	WVOG-77-A.5	CNA-Biological	2004
		Iron	2004
		Manganese	2004
		pH	2004
Gilbert Creek	WVOG-89	Aluminum (d)	2004
Muzzle Creek	WVOG-92-I	CNA-Biological	2004
		Iron	2004
Buffalo Creek	WVOG-92-K	CNA-Biological	2004
		Iron	2004
		pH	2004
Kezee Fork	WVOG-92-K-1	Iron	2004
Mudlick Fork	WVOG-92-K-2	Iron	2004
Pad Fork	WVOG-92-Q	Iron	2004
Righthand Fork/Pad Fork	WVOG-92-Q-1	Iron	2004
Big Cub Creek	WVOG-96	Aluminum (d)	2004
Sturgeon Branch	WVOG-96-A	Iron	2004
Road Branch	WVOG-96-B	Iron	2004
Elk Trace Branch	WVOG-96-C	Iron	2004
Toler Hollow	WVOG-96-F	CNA-Biological	2004
		Iron	2004

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
McDonald Fork	WVOG-96-H	Iron	2004
Reedy Branch	WVOG-99	Iron	2004
Little Cub Creek	WVOG-108	Iron	2004
Indian Creek	WVOG-110	Iron	2004
Brier Creek	WVOG-110-A	Iron	2004
Marsh Fork	WVOG-110-A-2	Iron	2004
Pinnacle Creek	WVOG-124	CNA-Biological	2004
		Iron	2004
		Manganese	2004
Smith Branch	WVOG-124-D	CNA-Biological	2004
		Iron	2004
Laurel Branch/Pinnacle Creek	WVOG-124-H	Iron	2004
Spider Creek	WVOG-124-I	Iron	2004
Cabin Creek	WVOG-127	Iron	2004
Joe Branch	WVOG-128	CNA-Biological	2004
		Iron	2004
Long Branch	WVOG-129	CNA-Biological	2004
		Iron	2004
Still Run	WVOG-130	Iron	2004
Barkers Creek	WVOG-131	CNA-Biological	2004
		Iron	2004
Hickory Branch	WVOG-131-B	Iron	2004
Gooney Otter Creek	WVOG-131-F	Iron	2004
Jims Branch	WVOG-131-F-1	Iron	2004
Noseman Branch	WVOG-131-F-2	Iron	2004
Slab Fork	WVOG-134	Aluminum (d) (trout)	2004
		CNA-Biological	2004
		Iron	2004

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Measle Fork	WVOG-134-D	Iron pH	2004 2004
Left Fork/Allen Creek	WVOG-135-A	CNA-Biological Iron	2004 2004
Devils Fork	WVOG-137	CNA-Biological Iron	2004 2004
Winding Gulf	WVOG-138	Aluminum (d) CNA-Biological Iron	2004 2004 2004
Stonecoal Creek	WVOG-139	CNA-Biological Iron	2004 2004
Clear Fork	WVOGC	Aluminum (d) CNA-Biological Iron	2004 2004 2004
Lower Road Branch	WVOGC-12	Iron	2004
Laurel Fork	WVOGC-16	CNA-Biological Iron Manganese	2004 2004 2004
Milam Fork	WVOGC-16-M	CNA-Biological Iron	2004 2004
Trough Fork	WVOGC-16-P	CNA-Biological Iron	2004 2004
Toney Fork	WVOGC-19	CNA-Biological Iron	2004 2004
Crane Fork	WVOGC-26	CNA-Biological Iron	2004 2004

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UPPER OHIO SOUTH WATERSHED - HUC# 05030106			
Ohio River (Upper South)	WVO-us	PCBs	2002
Fish Run	WVO-81	Fecal Coliform	2009
UNT/Fish Run RM 0.79	WVO-81-B	Fecal Coliform	2009
Grave Creek	WVO-83	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Middle Grave Creek	WVO-83-A	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
McLain Run	WVO-83-A-0.5	Iron	2009
Toms Run	WVO-83-A-1	Fecal Coliform	2009
		Iron	2009
Leach Run	WVO-83-A-1-A	Iron	2009
Little Toms Run	WVO-83-A-1.1	Fecal Coliform	2009
Meetinghouse Hollow	WVO-83-A-1.2	Iron	2009
Bartletts Run	WVO-83-A-1.3	Fecal Coliform	2009
Wells Run	WVO-83-A-1.5	Fecal Coliform	2009
North Fork/Middle Grave Creek	WVO-83-A-1.6	Fecal Coliform	2009
Whitney Run	WVO-83-A-2	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
UNT/Whitney Run RM 0.3	WVO-83-A-2-A	Fecal Coliform	2009
		Iron	2009
UNT/Grave Creek RM 2.41	WVO-83-A.1	Fecal Coliform	2009
Lick Run	WVO-83-B.4	Fecal Coliform	2009
French Run	WVO-83-B.5	Fecal Coliform	2009
Burch Run	WVO-83-C	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
North Fork/Grave Creek	WVO-83-E	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Molleys Hollow	WVO-84-A	Fecal Coliform	2009
Jim Run	WVO-85	CNA-Biological	2009
		Fecal Coliform	2009
Boggs Run	WVO-86	Fecal Coliform	2009
		Iron	2009
Browns Run	WVO-86-A	Fecal Coliform	2009
		Iron	2009
UNT/Boggs Run RM 2.69	WVO-86-C	Chloride	2009
Caldwell Run	WVO-87	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
George Run	WVO-87-A	Fecal Coliform	2009
Wheeling Creek	WVO-88	Fecal Coliform	2009
Long Run	WVO-88-B	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Waddles Run	WVO-88-B-1	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
UNT/Waddles Run RM 1.72	WVO-88-B-1-A	Iron	2009
Pogue Run	WVO-88-B-2	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Little Wheeling Creek	WVO-88-D	Fecal Coliform	2010
		Iron	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Peters Run	WVO-88-D-1	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Middle Wheeling Creek	WVO-88-D-2	Fecal Coliform	2009
		Iron	2009
UNT/Middle Wheeling Creek RM 3.05	WVO-88-D-2-0.4A	Fecal Coliform	2009
Tanyard Run	WVO-88-D-2-0.5A	Fecal Coliform	2009
Laidley Run	WVO-88-D-2-D	Fecal Coliform	2009
Todd Run	WVO-88-D-2-F	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Bear Rock Lake # 1	WVO-88-D-2-F-(L1)	Oxygen, Dissolved	1999
		Sedimentation/Siltation	1999
		Trophic State Index	1999
McCoy Run	WVO-88-D-3	Fecal Coliform	2009
		Iron	2009
Point Run	WVO-88-D-5	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Roneys Point Run	WVO-88-D-6	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
Battle Run	WVO-88-D-8	Fecal Coliform	2009
		Iron	2009
McGraw Run	WVO-88-D-9	Fecal Coliform	2009
UNT/Little Wheeling Creek RM 8.97	WVO-88-D-15	Fecal Coliform	2009
Britt Run	WVO-88-E.9	Fecal Coliform	2009
Grandstaff Run	WVO-88-H	Fecal Coliform	2009
Wherry Run	WVO-88-H-2	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Hollidays Run	WVO-88-H.5	Fecal Coliform	2009
Burch Run	WVO-88-I	Fecal Coliform	2009
Burch Run Lake	WVO-88-I-(L1)	Sedimentation/Siltation	1998
		Trophic State Index	1998
Big Run	WVO-88-I-1	Fecal Coliform	2009
UNT/Big Run RM 0.26	WVO-88-I-1-A	Fecal Coliform	2009
Stull Run	WVO-88-K	Fecal Coliform	2009
UNT/Wheeling Creek RM 25.77	WVO-88-M.3	Chloride	2009
		Fecal Coliform	2009
UNT/Wheeling Creek RM 26.23	WVO-88-M.35	Fecal Coliform	2009
UNT/Wheeling Creek RM 26.55	WVO-88-M.4	Fecal Coliform	2009
Enlow Fork	WVO-88-O	Fecal Coliform	2009
Glenns Run	WVO-89	Aluminum (d)	2009
		CNA-Biological	2009
		Iron	2009
		Manganese	2009
		pH	2009
Graeb Hollow	WVO-89-A	Iron	2009
UNT/Glenns Run RM 1.38	WVO-89-B	Iron	2009
Short Creek	WVO-90	Fecal Coliform	2009
Girty Run	WVO-90-A	Fecal Coliform	2009
North Fork/Short Creek	WVO-90-D	Chloride	2009
		Fecal Coliform	2009
UNT/North Fork RM 1.32/Short Creek	WVO-90-D-0.8	CNA-Biological	2009
		Fecal Coliform	2009
Huff Run	WVO-90-D-1	Chloride	2009
		Fecal Coliform	2009
UNT/North Fork RM 2.55/Short Creek	WVO-90-D-1.6	Fecal Coliform	2009
UNT/North Fork RM 2.77/Short Creek	WVO-90-D-1.8	Fecal Coliform	2009

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Weidman Run	WVO-90-D-2	CNA-Biological	2009
		Fecal Coliform	2009
UNT/Ohio River MP 79.4	WVO-91	Fecal Coliform	2009
Pierce Run	WVO-92-D	CNA-Biological	2009
		Fecal Coliform	2009
		Iron	2009
UNT/Pierce Run RM 2.67	WVO-92-D-6	Fecal Coliform	2009
UNT/Buffalo Creek RM 5.18	WVO-92-E.1	Iron	2009
Mingo Run	WVO-92-G	Fecal Coliform	2009
Castleman Run	WVO-92-L	CNA-Biological	2009
		Fecal Coliform	2009
Castleman Run Lake	WVO-92-L-(L1)	Sedimentation/Siltation	1999
		Trophic State Index	1999
Longs Run	WVO-92-L-1	Fecal Coliform	2009
Rices Run	WVO-92-L-4	Fecal Coliform	2009

WEST FORK WATERSHED - HUC# 05020002

West Fork River	WVMW	Iron	2002
Booths Creek	WVMW-2	Iron	2002
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Iron	2002
		pH	2002
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Iron	2002
		pH	2002
Hog Lick Run	WVMW-2-A	Iron	2002
Sweep Run	WVMW-2-C	Iron	2002
Horners Run	WVMW-2-D	Iron	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Purdys Run	WVMW-2-D-1	Iron	2002
		pH	2002
UNT/Booths Creek RM 8.22	WVMW-2-D.5	Iron	2002
Coons Run	WVMW-3	Iron	2002
		pH	2002
Bingamon Creek	WVMW-7	Iron	2002
Elklick Run	WVMW-7-C	Iron	2002
Cunningham Run	WVMW-7-D	Iron	2002
UNT/West Fork River RM 11.44	WVMW-7.1	Iron	2002
		pH	2002
Laurel Run	WVMW-8	Iron	2002
UNT/West Fork River RM 13.10	WVMW-8.5	Iron	2002
		pH	2002
Mudlick Run	WVMW-9	Iron	2002
		pH	2002
UNT/West Fork River RM 13.91	WVMW-9.5	Iron	2002
		pH	2002
Browns Run	WVMW-10	Iron	2002
Shinns Run	WVMW-11	Iron	2002
		pH	2002
Robinson Run	WVMW-12	Iron	2002
Pigotts Run	WVMW-12-A	Iron	2002
UNT/Robinson Run RM 1.08	WVMW-12-B	Iron	2002
Tenmile Creek	WVMW-13	Iron	2002
Jack Run	WVMW-13-0.5A	Iron	2002
Jones Creek	WVMW-13-A	Iron	2002
		Manganese	2002
Little Tenmile Creek	WVMW-13-B	Iron	2002
Peters Run	WVMW-13-B-1	Iron	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Iron	2002
Bennett Run	WVMW-13-B-2	Iron	2002
		pH	2002
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Iron	2002
Big Elk Creek	WVMW-13-B-6	Iron	2002
Mudlick Run	WVMW-13-B-9	Iron	2002
		pH	2002
Isaac Creek	WVMW-13-C	Iron	2002
Little Isaac Creek	WVMW-13-C-1	Iron	2002
Gregory Run	WVMW-13-D	Iron	2002
Katy Lick Run	WVMW-13-E	Iron	2002
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Iron	2002
Rockcamp Run	WVMW-13-F	Iron	2002
Little Rockcamp Run	WVMW-13-F-1	Iron	2002
Cherrycamp Run	WVMW-13-I-2	Iron	2002
Patterson Fork	WVMW-13-I-3	Iron	2002
Coburn Fork	WVMW-13-N	Iron	2002
		pH	2002
Shaw Run	WVMW-13-N-1	Iron	2002
		pH	2002
UNT/West Fork River RM 20.42	WVMW-14.2	Iron	2002
		pH	2002
Simpson Creek	WVMW-15	Iron	2002
UNT/Simpson Creek RM 1.23	WVMW-15-0.5A	Iron	2002
		pH	2002
Jack Run	WVMW-15-A	Iron	2002
		pH	2002
Smith Run	WVMW-15-B	Iron	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Jerry Run	WVMW-15-H	Iron	2002
		pH	2002
Berry Run	WVMW-15-I	Iron	2002
		pH	2002
Right Fork/Simpson Creek	WVMW-15-J	Iron	2002
		pH	2002
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	Iron	2002
		pH	2002
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Iron	2002
		pH	2002
Buck Run	WVMW-15-J-1	Iron	2002
		pH	2002
Sand Lick Run	WVMW-15-J-2	Iron	2002
		pH	2002
Gabe Fork	WVMW-15-J-3	Iron	2002
		pH	2002
Bartlett Run	WVMW-15-K	Iron	2002
		pH	2002
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Iron	2002
		pH	2002
West Branch/Simpson Creek	WVMW-15-L	Iron	2002
		pH	2002
UNT/West Branch RM 0.63/Simpson Creek	WVMW-15-L-0.5	Iron	2002
		pH	2002
Stillhouse Run	WVMW-15-L-1	Iron	2002
		pH	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Iron	2002
		pH	2002
Camp Run	WVMW-15-M	Iron	2002
		pH	2002
UNT/Simpson Creek RM 26.94	WVMW-15-N	Iron	2002
		pH	2002
Lambert Run	WVMW-16	Iron	2002
		pH	2002
Jack Run	WVMW-17	Iron	2002
Fall Run	WVMW-18	Iron	2002
		pH	2002
Crooked Run	WVMW-19	Iron	2002
		pH	2002
Simpson Fork	WVMW-20-B	Iron	2002
Elk Creek	WVMW-21	Iron	2002
Murphy Run	WVMW-21-A	Iron	2002
		pH	2002
Nutter Run	WVMW-21-D	Iron	2002
Turkey Run	WVMW-21-E	Iron	2002
Hooppole Run	WVMW-21-F	Iron	2002
Brushy Fork	WVMW-21-G	Iron	2002
Coplin Run	WVMW-21-G-1	Iron	2002
Gnatty Creek	WVMW-21-M	Iron	2002
Right Branch/Gnatty Creek	WVMW-21-M-5	Iron	2002
Charity Fork	WVMW-21-M-5-A	Iron	2002
Birds Run	WVMW-21-O	Iron	2002
Arnold Run	WVMW-21-P	Iron	2002
Isaacs Run	WVMW-21-Q	Iron	2002
Stewart Run	WVMW-21-S	Iron	2002

Supplemental Table B - Waters with TMDLs Developed

Stream Name	Stream Code	Criteria	TMDL Date
Washburncamp Run	WVMW-22-A	Iron	2002
		Manganese	2002
Browns Creek	WVMW-23	Iron	2002
Coburns Creek	WVMW-24	Iron	2002
Sycamore Creek	WVMW-25	Iron	2002
Lost Creek	WVMW-26	Iron	2002
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Iron	2002
Bonds Run	WVMW-26-A	Iron	2002
Buffalo Creek	WVMW-27	Iron	2002
Hackers Creek	WVMW-31	Iron	2002
		Manganese	2002
		pH	2002
Mare Run	WVMW-36-C.5	Iron	2002
Grass Run	WVMW-38-E	Iron	2002
		Manganese	2002
Stone Lick	WVMW-44	Iron	2002
		Manganese	2002
Fitz Run	WVMW-50-C	Iron	2002
		Manganese	2002
		pH	2002
Ward Run	WVMW-50-D	Iron	2002
		Manganese	2002

Supplemental Table C - Water Quality Improvements

Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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HYDROLOGIC GROUP A

CHEAT WATERSHED - HUC# 05020004

Cheat River	WVMC	pH	Cheat to RM 26.5 (Pringle Run)	2012
		Zinc	Cheat Lake to RM 17.7 (Muddy CK)	2012
UNT/Heather Run RM 1.47	WVMC-24-A	Iron	Entire length	2012
		Manganese	Entire length	2012
		pH	Entire length	2012
UNT/Pringle Run RM 1.75	WVMC-27-A	Iron	Entire length	2012
		Manganese	Entire length	2012
		pH	Entire length	2012
Snyder Run	WVMC-60-D-3-C	Iron	Entire length	2012
Hawkins Run	WVMC-60-D-5-C	Iron	Entire length	2012

SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

South Fork/South Branch Potomac River	WVPSB-21	Fecal coliform	Entire length	2002
North Fork/South Branch Potomac River	WVPSB-28	Fecal coliform	Entire length	2002

Supplemental Table C - Water Quality Improvements

Stream Name	Stream Code	Criteria	Improved reach description	Date added
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HYDROLOGIC GROUP B**ELK WATERSHED - HUC# 05050007**

Elk River	WVKE	Lead	Mouth to RM 21.8 (confluence of Big Sandy)	2012
Fall Run	WVKE-98-C-14	pH	Entire length	2008

TYGART VALLEY WATERSHED - HUC# 05020001

Marsh Fork	WVMTB-31-J	pH	Entire length	2008
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HYDROLOGIC GROUP C**GAULEY WATERSHED - HUC# 05070102**

Dogway Fork	WVKGC-19	pH	Mouth to RM 6.8	2006
Sugar Creek	WVKGW-21	pH	Mouth to RM 2.5	2006

POTOMAC DRAINS WATERSHED - HUC# 02070004

Indian Run	WVP-9-G	Fecal coliform	Entire length	2012
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TUG FORK WATERSHED - HUC# 05070201

Windmill Gap Branch	WVBST-99-L-4	Fecal coliform	Entire length	2012
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Supplemental Table D - Impaired Waters - No TMDL Development Needed

Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
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CATEGORY 4b - Impaired or threatened for one or more designated uses but does not require the development of a TMDL: Other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future.

HYDROLOGIC GROUP B

NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002

Stony River	WVPNB-17	Ammonia	Point Source Discharge	4.7	RM 7.7 (Mill Run) to RM 12.4 (Fourmile Run)
		CNA-Biological	Point Source Discharge	2.3	RM 12.4 (Fourmile Run) to RM 14.7 (Mount Storm Lake)
		Temperature, water	Point Source Discharge	2.3	RM 12.4 (Fourmile Run) to RM 14.7 (Mount Storm Lake)
Fourmile Run	WVPNB-17-C	Aluminum (d)	Point Source Discharge	1.5	Entire length
		Ammonia	Point Source Discharge	0.7	Mouth to RM 0.7

Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
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CATEGORY 4c - Impaired or threatened for one or more designated uses but does not require the development of a TMDL: Impairment is not caused by a pollutant.

HYDROLOGIC GROUP B

COAL WATERSHED - HUC# 05050009

Spruce Laurel Fork	WVKC-10-T-11	Low Flow Alterations	Coal Mining	7.6	From RM 6.1 to RM 13.7
Sycamore Fork	WVKC-10-T-11-F	Low Flow Alterations	Coal Mining	2.4	From mouth to RM 2.4
UNT/Sycamore Fork RM 1.4	WVKC-10-T-11-F-2	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/Sycamore Fork RM 1.7	WVKC-10-T-11-F-3	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/Sycamore Fork RM 2.0	WVKC-10-T-11-F-4	Low Flow Alterations	Coal Mining	0.3	From mouth to RM 0.3
UNT/Sycamore Fork RM 2.3	WVKC-10-T-11-F-5	Low Flow Alterations	Coal Mining	0.1	Entire length
Skin Poplar Branch	WVKC-10-T-11-G	Low Flow Alterations	Coal Mining	2.5	From mouth to RM 2.5
Jigly Branch	WVKC-10-T-11-G-1	Low Flow Alterations	Coal Mining	1.5	Entire length
UNT/Jigly Branch RM 0.8	WVKC-10-T-11-G-1-B	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/Skin Poplar Branch RM 2.5	WVKC-10-T-11-G-4	Low Flow Alterations	Coal Mining	0.3	From mouth to RM 0.3
Lower Lick Branch	WVKC-10-T-11-I	Low Flow Alterations	Coal Mining	0.7	From mouth to RM 0.7
UNT/James Branch RM 0.5	WVKC-10-U-16-A	Low Flow Alterations	Coal Mining	0.9	From RM 0.5 to RM 1.4
UNT/UNT RM 0.5/James Branch RM 0.5	WVKC-10-U-16-A-1	Low Flow Alterations	Coal Mining	0.6	Entire length
UNT/UNT RM 1.1/James Branch RM 0.5	WVKC-10-U-16-A-2	Low Flow Alterations	Coal Mining	0.6	Entire length
West Fork/Pond Fork	WVKC-10-U-7	Low Flow Alterations	Coal Mining	6.5	From RM 9.7 to RM 16.2
Bandy Branch	WVKC-10-U-7-E	Low Flow Alterations	Coal Mining	2.6	From mouth to RM 2.6
Mudlick Branch	WVKC-10-U-7-E-1	Low Flow Alterations	Coal Mining	1.7	From mouth to RM 1.7
UNT/Mudlick Branch RM 1.0	WVKC-10-U-7-E-1-A	Low Flow Alterations	Coal Mining	0.4	Entire length
Still Hollow	WVKC-10-U-7-E-2	Low Flow Alterations	Coal Mining	0.6	Entire length
James Creek	WVKC-10-U-7-I	Low Flow Alterations	Coal Mining	0.7	From RM 0.16 to RM 0.84
Ducky Ferrel Hollow	WVKC-10-U-7-I.5	Low Flow Alterations	Coal Mining	1.2	Entire length

Supplemental Table D - Impaired Waters - No TMDL Development Needed

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (miles)	Reach Description
UNT/James Creek RM 0.22	WVKC-10-U-7-I-1	Low Flow Alterations	Coal Mining	0.8	From mouth to RM 0.8
Matts Creek	WVKC-10-U-7-J	Low Flow Alterations	Coal Mining	2.0	From mouth to RM 2.0
UNT/Matts Creek RM 0.2	WVKC-10-U-7-J-1	Low Flow Alterations	Coal Mining	0.2	Entire length
UNT/Matts Creek RM 0.9	WVKC-10-U-7-J-2	Low Flow Alterations	Coal Mining	0.6	From mouth to RM 0.6
UNT/UNT RM 0.2/Matts Creek RM 0.9	WVKC-10-U-7-J-2-A	Low Flow Alterations	Coal Mining	0.3	Entire length
UNT/ Matts Creek RM 1.4	WVKC-10-U-7-J-3	Low Flow Alterations	Coal Mining	0.4	Entire length
UNT/West Fork RM 10.6	WVKC-10-U-7-K	Low Flow Alterations	Coal Mining	0.6	Entire length
UNT/West Fork RM 11.6	WVKC-10-U-7-L	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 11.8	WVKC-10-U-7-M	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 11.9	WVKC-10-U-7-N	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 12.1	WVKC-10-U-7-O	Low Flow Alterations	Coal Mining	0.4	From mouth to RM 0.4
UNT/West Fork RM 13.0	WVKC-10-U-7-P	Low Flow Alterations	Coal Mining	0.8	Entire length
UNT/West Fork RM 14.3	WVKC-10-U-7-Q	Low Flow Alterations	Coal Mining	1.1	Entire length
UNT/West Fork RM 14.5	WVKC-10-U-7-R	Low Flow Alterations	Coal Mining	1.0	Entire length
UNT/West Fork RM 15.5	WVKC-10-U-7-S	Low Flow Alterations	Coal Mining	0.9	From mouth to RM 0.9
UNT/UNT RM 0.3/West Fork RM 15.5	WVKC-10-U-7-S-1	Low Flow Alterations	Coal Mining	0.3	From mouth to RM 0.3
UNT/West Fork RM 15.7	WVKC-10-U-7-T	Low Flow Alterations	Coal Mining	0.5	Entire length
UNT/West Fork RM 16.0	WVKC-10-U-7-U	Low Flow Alterations	Coal Mining	0.4	Entire length

Supplemental Table E - Total Aluminum TMDLs

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
HYDROLOGIC GROUP A			
UPPER KANAWHA WATERSHED - HUC# 05050006			
Jones Branch	WVK-65-C	Aluminum (tot)	2001
Tenmile Fork	WVK-65-M	Aluminum (tot)	2001
Hickory Camp Branch	WVK-65-P	Aluminum (tot)	2001
UNT/Paint Creek RM 16.71	WVK-65-Q.3	Aluminum (tot)	2001
UNT/Paint Creek RM 17.10	WVK-65-Q.5	Aluminum (tot)	2001
Fifteenmile Creek	WVK-65-R	Aluminum (tot)	2001
Skitter Creek	WVK-65-T	Aluminum (tot)	2001
Lykins Creek	WVK-65-W	Aluminum (tot)	2001
Long Branch	WVK-65-Y-2	Aluminum (tot)	2001
Packs Branch	WVK-65-DD	Aluminum (tot)	2001
Big Fork	WVK-65-DD-2	Aluminum (tot)	2001

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
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HYDROLOGIC GROUP B**LOWER KANAWHA WATERSHED - HUC# 05050008**

Ridenour Lake	WVK-30-A-(L1)	Aluminum (tot)	1999
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NORTH BRANCH POTOMAC WATERSHED - HUC# 02070002

Laurel Run	WVPNB-17-D	Aluminum (tot)	2001
Helmick Run	WVPNB-17-E	Aluminum (tot)	2001

TYGART VALLEY WATERSHED - HUC# 05020001

Goose Creek	WVMT-4	Aluminum (tot)	2001
Lost Run	WVMT-5	Aluminum (tot)	2001
Berkeley Run	WVMT-11	Aluminum (tot)	2001
Shelby Run	WVMT-11-A	Aluminum (tot)	2001
Long Run	WVMT-11-B	Aluminum (tot)	2001
Berry Run	WVMT-11-B-1	Aluminum (tot)	2001
Brains Creek	WVMT-12-G-2	Aluminum (tot)	2001
Birds Creek	WVMT-12-H	Aluminum (tot)	2001
Squires Creek	WVMT-12-H-1	Aluminum (tot)	2001
Sandy Creek	WVMT-18	Aluminum (tot)	2001
Glade Run	WVMT-18-C	Aluminum (tot)	2001
Maple Run	WVMT-18-E-1	Aluminum (tot)	2001
Left Fork/Little Sandy Creek	WVMT-18-E-3	Aluminum (tot)	2001
Left Fork/Sandy Creek	WVMT-18-G	Aluminum (tot)	2001
Frost Run	WVMT-24-A	Aluminum (tot)	2001
Foxgrape Run	WVMT-26-B	Aluminum (tot)	2001
Little Hackers Creek	WVMT-26-C	Aluminum (tot)	2001
Fords Run	WVMT-27	Aluminum (tot)	2001

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
Anglins Run	WVMT-29	Aluminum (tot)	2001
Pecks Run	WVMTB-5	Aluminum (tot)	2001
UNT/Pecks Run RM 2.24	WVMTB-5-0.8A	Aluminum (tot)	2001
Mud Run	WVMTB-5-C	Aluminum (tot)	2001
Turkey Run	WVMTB-10	Aluminum (tot)	2001
Sugar Run	WVMTB-10-A	Aluminum (tot)	2001
Fink Run	WVMTB-11	Aluminum (tot)	2001
Bridge Run	WVMTB-11-B.7	Aluminum (tot)	2001
Tenmile Creek	WVMTB-25	Aluminum (tot)	1998
Swamp Run	WVMTB-29	Aluminum (tot)	2001
Devil Run	WVMTM-4	Aluminum (tot)	2001
Hell Run	WVMTM-6	Aluminum (tot)	2001
White Oak Run	WVMTM-8	Aluminum (tot)	2001
Panther Run	WVMTM-16-A	Aluminum (tot)	2001
Island Run	WVMT-36	Aluminum (tot)	2001
Laurel Run	WVMT-39	Aluminum (tot)	2001
UNT/Tygart Valley River RM 75.2	WVMT-40.5	Aluminum (tot)	2001

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
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HYDROLOGIC GROUP C**MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202**

Turkey Run Lake	WVO-37-(L1)	Aluminum (tot)	1999
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TUG FORK WATERSHED - HUC# 05070201

Tug Fork	WVBST	Aluminum (tot)	2002
PowderMill Branch	WVBST-3	Aluminum (tot)	2002
Millstone Branch	WVBST-24-O	Aluminum (tot)	2002
Sugartree Creek	WVBST-32	Aluminum (tot)	2002
Williamson Creek	WVBST-33	Aluminum (tot)	2002
Sprouse Creek	WVBST-38	Aluminum (tot)	2002
Rutherford Branch	WVBST-40-B	Aluminum (tot)	2002
Mitchell Branch	WVBST-40-C	Aluminum (tot)	2002
Chafin Branch	WVBST-40-D	Aluminum (tot)	2002
Thacker Creek	WVBST-42	Aluminum (tot)	2002
Scissorsville Branch	WVBST-42-A	Aluminum (tot)	2002
Mauchlinville Branch	WVBST-42-B	Aluminum (tot)	2002
Grapevine Creek	WVBST-43	Aluminum (tot)	2002
Lick Fork	WVBST-43-A	Aluminum (tot)	2002
Panther Creek	WVBST-60	Aluminum (tot)	2002
Cub Branch	WVBST-60-D	Aluminum (tot)	2002
Grapevine Branch	WVBST-70-F	Aluminum (tot)	2002
Beartown Branch	WVBST-70-I	Aluminum (tot)	2002
Atwell Branch	WVBST-70-O	Aluminum (tot)	2002
Clear Fork	WVBST-76	Aluminum (tot)	2002
Shabbyroom Branch	WVBST-78-B	Aluminum (tot)	2002
HoneyCamp Branch	WVBST-78-D	Aluminum (tot)	2002
Coontree Branch	WVBST-78-E	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
Stonecoal Branch	WVBST-78-F	Aluminum (tot)	2002
Badway Branch	WVBST-78-G	Aluminum (tot)	2002
Newson Branch	WVBST-78-H	Aluminum (tot)	2002
Moorecamp Branch	WVBST-78-I	Aluminum (tot)	2002
Left Fork/Davy Branch	WVBST-85-A	Aluminum (tot)	2002
Shannon Branch	WVBST-94	Aluminum (tot)	2002
Upper Shannon Branch	WVBST-95	Aluminum (tot)	2002
Puncheoncamp Branch	WVBST-98-A	Aluminum (tot)	2002
Little Indian Creek	WVBST-100	Aluminum (tot)	2002
Jed Branch	WVBST-102	Aluminum (tot)	2002
Rock Narrows Branch	WVBST-103	Aluminum (tot)	2002
Harris Branch	WVBST-104	Aluminum (tot)	2002
Mitchell Branch	WVBST-105	Aluminum (tot)	2002
Sugarcamp Branch	WVBST-106	Aluminum (tot)	2002
Grapevine Branch	WVBST-107	Aluminum (tot)	2002
Sandlick Creek	WVBST-109	Aluminum (tot)	2002
Right Fork/Sandlick Creek	WVBST-109-A	Aluminum (tot)	2002
Left Fork/Sandlick Creek	WVBST-109-B	Aluminum (tot)	2002
Adkin Branch	WVBST-110	Aluminum (tot)	2002
Belcher Branch	WVBST-111	Aluminum (tot)	2002
Turnhole Branch	WVBST-112	Aluminum (tot)	2002
Harmon Branch	WVBST-113	Aluminum (tot)	2002
South Fork/Tug Fork	WVBST-115	Aluminum (tot)	2002
Tea Branch	WVBST-115-A	Aluminum (tot)	2002
McClure Branch	WVBST-115-B	Aluminum (tot)	2002
Jump Branch	WVBST-115-D	Aluminum (tot)	2002
Spice Creek	WVBST-115-E	Aluminum (tot)	2002
Laurel Branch	WVBST-115-F	Aluminum (tot)	2002
Road Fork	WVBST-115-G	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
Belcher Branch	WVBST-116	Aluminum (tot)	2002
Loop Branch	WVBST-117	Aluminum (tot)	2002
Mill Branch	WVBST-118	Aluminum (tot)	2002
Dry Branch	WVBST-119	Aluminum (tot)	2002
Little Creek	WVBST-120	Aluminum (tot)	2002
Indian Grave Branch	WVBST-120-A	Aluminum (tot)	2002
Puncheoncamp Branch	WVBST-120-B	Aluminum (tot)	2002
Millseat Branch	WVBST-121	Aluminum (tot)	2002
Ballard Harmon Branch	WVBST-122	Aluminum (tot)	2002
Sams Branch	WVBST-123	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
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HYDROLOGIC GROUP D**LITTLE KANAWHA WATERSHED - HUC# 05030203**

Little Kanawha River	WVLK	Aluminum (tot)	2000
Reedy Creek	WVLK-25	Aluminum (tot)	2000
Spring Creek	WVLK-31	Aluminum (tot)	2000
Oil Creek	WVLK-94	Aluminum (tot)	2000

LOWER NEW WATERSHED - HUC# 05050004

Dunloup Creek	WVKN-22	Aluminum (tot)	2002
Meadow Fork	WVKN-22-B	Aluminum (tot)	2002

MONONGAHELA WATERSHED - HUC# 05020003

Monongahela River	WVM	Aluminum (tot)	2002
Laurel Run	WVM-2.7	Aluminum (tot)	2002
Robinson Run	WVM-4	Aluminum (tot)	2004
Hartman Run	WVM-8-0.5A	Aluminum (tot)	2002
UNT/Deckers Creek RM 5.70	WVM-8-A.7	Aluminum (tot)	2002
Booths Creek	WVM-10	Aluminum (tot)	2002
Mays Run	WVM-10-E	Aluminum (tot)	2002
Flaggy Meadow Run	WVM-14	Aluminum (tot)	2002
Robinson Run	WVM-22-C	Aluminum (tot)	2002
Sugar Run	WVM-22-K	Aluminum (tot)	2002
Mod Run	WVM-23-K	Aluminum (tot)	2002
Fleming Fork	WVM-23-N-1	Aluminum (tot)	2002
Whetstone Run	WVM-23-Q	Aluminum (tot)	2002
Joes Run	WVM-23-R	Aluminum (tot)	2002
UNT/Monongahela River RM 128.55	WVM-25.9	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
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HYDROLOGIC GROUP E**LOWER OHIO WATERSHED - HUC# 05090101**

Fourpole Creek	WVO-3	Aluminum (tot)	2002
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WEST FORK WATERSHED - HUC# 05020002

West Fork River	WVMW	Aluminum (tot)	2002
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Aluminum (tot)	2002
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Aluminum (tot)	2002
Hog Lick Run	WVMW-2-A	Aluminum (tot)	2002
Sweep Run	WVMW-2-C	Aluminum (tot)	2002
Horners Run	WVMW-2-D	Aluminum (tot)	2002
UNT/Booths Creek RM 8.22	WVMW-2-D.5	Aluminum (tot)	2002
Coons Run	WVMW-3	Aluminum (tot)	2002
Elklick Run	WVMW-7-C	Aluminum (tot)	2002
Cunningham Run	WVMW-7-D	Aluminum (tot)	2002
UNT/West Fork River RM 11.44	WVMW-7.1	Aluminum (tot)	2002
Laurel Run	WVMW-8	Aluminum (tot)	2002
UNT/West Fork RM 13.10	WVMW-8.5	Aluminum (tot)	2002
Mudlick Run	WVMW-9	Aluminum (tot)	2002
UNT/West Fork RM 13.91	WVMW-9.5	Aluminum (tot)	2002
Browns Run	WVMW-10	Aluminum (tot)	2002
Robinson Run	WVMW-12	Aluminum (tot)	2002
Pigotts Run	WVMW-12-A	Aluminum (tot)	2002
UNT/Robinson Run RM 1.08	WVMW-12-B	Aluminum (tot)	2002
Jack Run	WVMW-13-0.5A	Aluminum (tot)	2002
Jones Creek	WVMW-13-A	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
Peters Run	WVMW-13-B-1	Aluminum (tot)	2002
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Aluminum (tot)	2002
Bennett Run	WVMW-13-B-2	Aluminum (tot)	2002
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Aluminum (tot)	2002
Big Elk Creek	WVMW-13-B-6	Aluminum (tot)	2002
Mudlick Run	WVMW-13-B-9	Aluminum (tot)	2002
Isaac Creek	WVMW-13-C	Aluminum (tot)	2002
Little Isaac Creek	WVMW-13-C-1	Aluminum (tot)	2002
Gregory Run	WVMW-13-D	Aluminum (tot)	2002
Katy Lick Creek	WVMW-13-E	Aluminum (tot)	2002
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Aluminum (tot)	2002
Rockcamp Run	WVMW-13-F	Aluminum (tot)	2002
Little Rockcamp Run	WVMW-13-F-1	Aluminum (tot)	2002
Cherrycamp Run	WVMW-13-I-2	Aluminum (tot)	2002
Patterson Fork	WVMW-13-I-3	Aluminum (tot)	2002
Coburn Fork	WVMW-13-N	Aluminum (tot)	2002
Shaw Run	WVMW-13-N-1	Aluminum (tot)	2002
UNT/West Fork River RM 20.42	WVMW-14.2	Aluminum (tot)	2002
Simpson Creek	WVMW-15	Aluminum (tot)	2002
UNT/Simpson Creek RM 1.23	WVMW-15-0.5A	Aluminum (tot)	2002
Jack Run	WVMW-15-A	Aluminum (tot)	2002
Jerry Run	WVMW-15-H	Aluminum (tot)	2002
Berry Run	WVMW-15-I	Aluminum (tot)	2002
Right Fork/Simpson Creek	WVMW-15-J	Aluminum (tot)	2002
Buck Run	WVMW-15-J-1	Aluminum (tot)	2002
Sand Lick Run	WVMW-15-J-2	Aluminum (tot)	2002
Gabe Fork	WVMW-15-J-3	Aluminum (tot)	2002
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Aluminum (tot)	2002
Bartlett Run	WVMW-15-K	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Aluminum (tot)	2002
West Branch/Simpson Creek	WVMW-15-L	Aluminum (tot)	2002
UNT/West Branch RM 0.63/Simpson Creek	WVMW-15-L-0.5	Aluminum (tot)	2002
Stillhouse Run	WVMW-15-L-1	Aluminum (tot)	2002
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Aluminum (tot)	2002
Camp Run	WVMW-15-M	Aluminum (tot)	2002
UNT/Simpson Creek RM 26.94	WVMW-15-N	Aluminum (tot)	2002
Lambert Run	WVMW-16	Aluminum (tot)	2002
Jack Run	WVMW-17	Aluminum (tot)	2002
Fall Run	WVMW-18	Aluminum (tot)	2002
Crooked Run	WVMW-19	Aluminum (tot)	2002
Simpson Fork	WVMW-20-B	Aluminum (tot)	2002
Elk Creek	WVMW-21	Aluminum (tot)	2002
Murphy Run	WVMW-21-A	Aluminum (tot)	2002
Nutter Run	WVMW-21-D	Aluminum (tot)	2002
Turkey Run	WVMW-21-E	Aluminum (tot)	2002
Hooppole Run	WVMW-21-F	Aluminum (tot)	2002
Coplin Run	WVMW-21-G-1	Aluminum (tot)	2002
Right Branch/Gnatty Creek	WVMW-21-M-5	Aluminum (tot)	2002
Charity Fork	WVMW-21-M-5-A	Aluminum (tot)	2002
Birds Run	WVMW-21-O	Aluminum (tot)	2002
Arnold Run	WVMW-21-P	Aluminum (tot)	2002
Isaacs Run	WVMW-21-Q	Aluminum (tot)	2002
Stewart Run	WVMW-21-S	Aluminum (tot)	2002
Washburncamp Run	WVMW-22-A	Aluminum (tot)	2002
Browns Creek	WVMW-23	Aluminum (tot)	2002
Coburns Creek	WVMW-24	Aluminum (tot)	2002

Supplemental Table E - Total Aluminum TMDLs

Stream Name	Stream Code	Criteria	TMDL Date
Sycamore Creek	WVMW-25	Aluminum (tot)	2002
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Aluminum (tot)	2002
Bonds Run	WVMW-26-A	Aluminum (tot)	2002
Buffalo Creek	WVMW-27	Aluminum (tot)	2002
Mare Run	WVMW-36-C.5	Aluminum (tot)	2002
Grass Run	WVMW-38-E	Aluminum (tot)	2002
Stone Lick	WVMW-44	Aluminum (tot)	2002
Fitz Run	WVMW-50-C	Aluminum (tot)	2002
Ward Run	WVMW-50-D	Aluminum (tot)	2002

2012 Section 303(d) List - New Listings

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP A

CHEAT WATERSHED - HUC# 05020004

1 Lake 1730 acres

Cheat Lake	WVMC-(L1)	Methylmercury	Unknown	1730.0	Entire Lake	2024	No
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SHENANDOAH (JEFFERSON) WATERSHED - HUC# 02070007

2 streams 13 miles

Bullskin Run	WVS-6	Fecal Coliform	Unknown	8.5	Entire length	2024	No
North Fork/Bullskin Run	WVS-6-A	Fecal Coliform	Unknown	4.6	Entire length	2024	No
		Nitrite	Unknown	4.6	Entire length	2024	No

SOUTH BRANCH POTOMAC WATERSHED - HUC# 02070001

5 streams 71 miles

South Branch Potomac River	WVPSB	CNA-Algae	Unknown	34.3	RM 23.7 (Johns Run) to RM 58 (South Fork)	2024	No
Johnson Run	WVPSB-25-A	Fecal Coliform	Unknown	4.2	Entire length	2014	No
North Mill Creek	WVPSB-25-B	Fecal Coliform	Unknown	13.2	Entire length	2014	No
Brushy Run	WVPSB-25-B-2	Fecal Coliform	Unknown	4.9	Entire length	2014	No
South Mill Creek	WVPSB-25-C	Fecal Coliform	Unknown	14.5	Entire length	2014	No

UPPER KANAWHA WATERSHED - HUC# 05050006

23 streams 73 miles

Pointlick Fork	WVK-49-F	Selenium	Unknown	3.7	Entire length	2024	No
UNT/Pointlick Fork RM 2.26	WVK-49-F-4	Selenium	Unknown	0.7	Entire length	2024	No
Rattlesnake Hollow	WVK-49-I	Selenium	Unknown	2.0	Entire length	2024	No
Cabin Creek	WVK-61	Selenium	Unknown	22.7	Entire length	2024	No
Longbottom Creek	WVK-61-F	Chloride	Unknown	1.8	Mouth to RM 1.8	2024	No
Laurel Fork/Longbottom Creek	WVK-61-F-2	Chloride	Unknown	1.6	Entire length	2024	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Coal Fork	WVK-61-H	Chloride	Unknown	5.8	Entire length	2024	No
		Selenium	Unknown	5.8	Entire length	2024	No
Left Fork/Laurel Fork	WVK-61-H-1-A	Selenium	Unknown	2.2	Entire length	2024	No
UNT/Coal Fork RM 4.63	WVK-61-H-3	Chloride	Unknown	1.3	Entire length	2024	No
		Selenium	Unknown	1.3	Entire length	2024	No
Toms Fork	WVK-61-K	Selenium	Unknown	1.8	Entire length	2014	No
UNT/Tenmile Fork RM 4.17	WVK-61-L-5	Selenium	Unknown	0.3	Mouth to RM 0.3	2014	No
Fifteenmile Fork	WVK-61-O	Selenium	Unknown	3.6	Entire length	2024	No
Abbott Creek	WVK-61-O-1	Selenium	Unknown	2.3	Entire length	2024	No
Long Branch	WVK-61-O-2	Selenium	Unknown	2.9	Entire length	2024	No
UNT/Cabin Creek RM 18.06	WVK-61-O.4	Selenium	Unknown	0.7	Entire length	2024	No
UNT/Cabin Creek RM 20.9	WVK-61-P	Selenium	Unknown	1.9	Entire length	2024	No
Hurricane Fork	WVK-64-K	Selenium	Unknown	0.9	RM 1.9 to RM 2.8	2014	No
Fourmile Fork	WVK-65-E	Selenium	Unknown	2.4	Mouth to RM 2.4	2024	No
Dunn Hollow	WVK-69	Selenium	Unknown	2.0	Entire length	2024	No
Bullpush Fork	WVK-72-B	Selenium	Unknown	2.4	Entire length	2024	No
Armstrong Creek	WVK-73	Selenium	Unknown	1.6	Entire length	2024	No
UNT/Loop Creek RM 13.30	WVK-76-J.8	Selenium	Unknown	0.6	Entire length	2024	No
UNT/Open Fork RM 0.22	WVK-76-M-1	Selenium	Unknown	0.6	Entire length	2024	No

UPPER OHIO NORTH WATERSHED - HUC# 05030101

1 streams 3 miles

Mahan Run	WVO-96	Fecal Coliform	Unknown	2.8	Entire length	2024	No
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WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP B

COAL WATERSHED - HUC# 05050009

46 streams 138 miles

Coal River	WVKC	Selenium	Unknown	7.6	RM 11.3 to Forks of Big/Little Coal River	2025	No
Big Horse Creek	WVKC-10-I	Selenium	Unknown	4.1	RM 6.0 to HW	2025	No
Boone Block Hollow	WVKC-10-I-6-A-1	Selenium	Unknown	1.0	Entire length	2025	No
Jule Webb Fork	WVKC-10-I-11	Selenium	Unknown	1.4	Entire length	2025	No
Spruce Fork	WVKC-10-T	Selenium	Unknown	8.8	RM 22.2 to HW (to fks)	2025	No
Trace Branch	WVKC-10-T-11-B	Selenium	Unknown	2.2	Entire length	2025	No
UNT/Trace Branch RM 0.64	WVKC-10-T-11-B-1	Selenium	Unknown	0.9	Entire length	2025	No
White Oak Branch	WVKC-10-T-22	Selenium	Unknown	1.4	Mouth to RM 1.4	2025	No
Garland Fork	WVKC-10-T-23	Selenium	Unknown	3.2	Entire length	2025	No
Abe Burgess Fork	WVKC-10-T-23-C	Selenium	Unknown	1.9	Entire length	2025	No
Brushy Fork	WVKC-10-T-24	Selenium	Unknown	3.8	Entire length	2025	No
Robinson Creek	WVKC-10-U-3	Selenium	Unknown	2.6	RM 2.7 to HW	2025	No
Bull Creek	WVKC-10-U-5	Selenium	Unknown	3.5	Entire length	2025	No
UNT/Bull Creek RM 2.69	WVKC-10-U-5-G	Selenium	Unknown	0.5	Entire length	2025	No
West Fork/Pond Fork	WVKC-10-U-7	Selenium	Unknown	1.5	RM 9.0 to RM 10.5	2025	No
Bandy Branch	WVKC-10-U-7-E	Selenium	Unknown	2.8	Entire length	2025	No
Mudlick Branch	WVKC-10-U-7-E-1	Selenium	Unknown	2.0	Entire length	2025	No
UNT/James Creek RM 0.22	WVKC-10-U-7-I-1	Selenium	Unknown	2.9	Entire length	2025	No
UNT/UNT RM 0.86/James Creek RM 0.22	WVKC-10-U-7-I-1-A	Selenium	Unknown	1.2	Entire length	2025	No
UNT/James Creek RM 0.76	WVKC-10-U-7-I-2	Selenium	Unknown	0.7	Entire length	2025	No
Matts Creek	WVKC-10-U-7-J	Selenium	Unknown	0.9	Mouth to RM 0.9	2025	No
Jarrell Branch	WVKC-10-U-11	Selenium	Unknown	0.9	RM 0.9 to HW	2025	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Workman Branch	WVKC-10-U-15	Selenium	Unknown	1.8	Entire length	2025	No
UNT/James Branch RM 0.52	WVKC-10-U-16-A	Selenium	Unknown	0.2	Mouth to RM 0.2	2025	No
Big Coal River	WVKC-Big	Selenium	Unknown	14.8	Mouth (Coal forks) to RM 14.8	2025	No
Fork Creek	WVKC-14	Selenium	Unknown	2.5	Mouth to RM 2.5	2025	No
Road Fork	WVKC-16-D	Selenium	Unknown	1.7	Entire length	2025	No
Laurel Creek	WVKC-31	Selenium	Unknown	8.6	Entire length	2025	No
Stolling Fork	WVKC-31-I	Selenium	Unknown	2.5	Entire length	2025	No
Moccasin Hollow	WVKC-35-E-2	Selenium	Unknown	1.5	Entire length	2025	No
Right Fork/White Oak Creek	WVKC-35-F	Selenium	Unknown	1.1	Mouth to RM 1.1	2025	No
Culvert Hollow	WVKC-42-A	Selenium	Unknown	1.5	Entire length	2025	No
Brushy Fork	WVKC-46-A-4	Selenium	Unknown	1.9	Entire length	2025	No
Bacon Hollow	WVKC-46-A-5	Selenium	Unknown	1.0	Entire length	2025	No
UNT/Marsh Fork RM 4.13 (Upper Big Branch)	WVKC-46-A-7	Selenium	Unknown	1.1	RM 1.4 to HW	2025	No
UNT/Rockhouse Creek RM 0.99	WVKC-47-A-2	Selenium	Unknown	1.6	Entire length	2025	No
UNT/Rockhouse Creek RM 2.04	WVKC-47-A-5	Selenium	Unknown	1.3	Entire length	2025	No
Gardner Branch	WVKC-47-B	Selenium	Unknown	1.4	Entire length	2025	No
Laurel Branch	WVKC-47-D	Selenium	Unknown	1.3	Entire length	2025	No
Speed Branch	WVKC-47-E-1	Selenium	Unknown	1.1	Entire length	2025	No
White Oak Creek	WVKC-47-K	Selenium	Unknown	4.0	Entire length	2025	No
Horse Creek	WVKC-47-K.5	Selenium	Unknown	1.9	Entire length	2025	No
Toney Fork	WVKC-47-L	Selenium	Unknown	2.6	Mouth to RM 2.6	2025	No
Buffalo Fork	WVKC-47-L-1	Selenium	Unknown	2.5	Entire length	2025	No
Ewing Fork	WVKC-47-L-2	Selenium	Unknown	1.9	Entire length	2025	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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ELK WATERSHED - HUC# 05050007*1 Lake 1500 acres 3 streams 23 miles*

Sutton Lake	WVKE-(L1)	Methylmercury	Unknown	1500.0	Entire Lake	2025	No
Bullpen Fork	WVKE-46-C-1	Selenium	Unknown	2.3	Entire length	2025	No
Cannel Coal Hollow	WVKE-46-C-2	Selenium	Unknown	1.4	Entire length	2025	No
Little Birch River	WVKE-76-E	Selenium	Unknown	19.8	Entire length	2025	No

TYGART VALLEY WATERSHED - HUC# 05020001*3 streams 7 miles*

UNT/Tygart Valley River RM 7.22	WVMT-2.5	Selenium	Unknown	2.0	Entire length	2025	No
UNT/Birds Creek RM 0.64	WVMT-12-H-2	pH	Unknown	4.1	Entire length	2025	No
UNT/Sawmill Run RM 0.23	WVMTB-20-A	Selenium	Unknown	1.1	Entire length	2025	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP C

GAULEY WATERSHED - HUC# 05050005

19 streams 63 miles

Big Creek	WVKG-3	Selenium	Unknown	3.1	Entire length	2026	No
Twentymile Creek	WVKG-5	Selenium	Unknown	17.2	RM 7.4 to RM 24.6	2026	No
Bells Creek	WVKG-5-B	Selenium	Unknown	8.2	Entire length	2026	No
UNT/Bells Creek RM 4.39	WVKG-5-B-5.1	Selenium	Unknown	1.0	Entire length	2026	No
Hardway Branch	WVKG-5-K	Selenium	Unknown	2.0	Entire length	2026	No
Peters Fork	WVKG-5-K-1	Selenium	Unknown	1.6	Entire length	2026	No
UNT/Rader Fork RM 0.96	WVKG-5-R-1.5	Selenium	Unknown	0.7	Mouth to RM 0.7	2026	No
UNT/Rader Fork RM 1.48	WVKG-5-R-3	Selenium	Unknown	0.6	Entire length	2026	No
Crooked Run	WVKG-26-O-1	Selenium	Unknown	1.1	Entire length	2026	No
Big Beaver Creek	WVKG-30	Selenium	Unknown	3.1	RM 13.3 to HW	2026	No
Board Fork	WVKG-30-Q	Selenium	Unknown	2.8	Mouth to RM 2.8	2026	No
O'brien Fork	WVKG-30-S	Selenium	Unknown	4.0	Entire length	2026	No
Hunters Run	WVKG-34-H-4	pH	Unknown	2.7	Entire length	2026	No
Bear Run	WVKGC-6	pH	Unknown	3.1	Entire length	2026	No
Mill Branch	WVKGC-11	pH	Unknown	1.7	Entire length	2026	No
Queer Branch	WVKGC-13	pH	Unknown	2.1	Entire length	2026	No
Hanging Rock Branch	WVKGC-15	pH	Unknown	1.6	Entire length	2026	No
Rough Run	WVKGC-17	pH	Unknown	2.7	Entire length	2026	No
South Fork/Cranberry River	WVKGC-23	Iron (trout)	Unknown	6.0	Entire length	2026	No
Little Fork	WVKGW-10-A	pH	Unknown	3.4	Entire length	2026	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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LOWER GUYANDOTTE WATERSHED - HUC# 05070102**5 streams 9 miles**

Berry Branch	WVOGM-44	Selenium	Unknown	2.8	Entire length	2026	No
UNT/Berry Branch RM 1.43	WVOGM-44-A	Selenium	Unknown	1.3	Entire length	2026	No
Mullins Branch	WVOGM-45	Selenium	Unknown	1.2	Entire length	2026	No
Lukey Fork	WVOGM-50	Selenium	Unknown	2.5	Entire length	2026	No
Fawn Hollow	WVOG-38-M	Selenium	Unknown	0.9	Entire length	2026	No

MIDDLE OHIO SOUTH WATERSHED - HUC# 05030202**1 Lake 278 acres**

Elk Fork Lake	WVO-32-M-(L1)	Methylmercury	Unknown	278.0	Entire Lake	2026	No
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POTOMAC DIRECT DRAINS WATERSHED - HUC# 02070004**3 stream 14 miles**

South Fork/Indian Run	WVP-9-G-2	pH	Unknown	3.0	Entire length	2026	No
Warm Spring Run	WVP-10	Fecal Coliform	Unknown	10.3	Entire length	2026	No
UNT/Warm Spring Run RM 4.97	WVP-10-G	Fecal Coliform	Unknown	0.9	Entire length	2026	No

TUG FORK WATERSHED - HUC# 05070201**11 streams 20 miles**

Big Branch	WVBST-24-B	Selenium	Unknown	3.3	Mouth to RM 3.3	2026	No
Middle Fork/Spruce Fork	WVBST-24-E-2-A-1	Selenium	Unknown	2.2	Entire length	2026	No
Rockhouse Branch	WVBST-24-E-5	Selenium	Unknown	0.6	Entire length	2026	No
Right Fork/Trace Fork	WVBST-24-K-4	Selenium	Unknown	3.0	Entire length	2026	No
Middle Fork/Elk Creek	WVBST-24-N-5	Selenium	Unknown	1.4	RM 2.4 to HW	2026	No
Clark Branch	WVBST-99-J	Selenium	Unknown	1.8	Entire length	2026	No
Bearwallow Branch	WVBST-99-L-2	Selenium	Unknown	2.8	Entire length	2026	No

WEST VIRGINIA**2012 Section 303(d) List - New Listings****WEST VIRGINIA**

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Left Fork RM 0.89/Sandlick Creek	WVBST-109-B-3	Selenium	Unknown	1.2	Entire length	2026	No
UNT/Tug Fork RM 145.75	WVBST-114.2	Selenium	Unknown	0.9	Entire length	2026	No
Ballard Harmon Branch	WVBST-122	Selenium	Unknown	2.0	Entire length	2026	No
UNT/Ballard Harmon Branch RM 1.49	WVBST-122-A	Selenium	Unknown	0.5	Entire length	2026	No

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP D

LITTLE KANAWHA WATERSHED - HUC# 05030203

1 Lake 968 acres 4 streams 22 miles

Burnsville Lake	WVLK-(L1)	Methylmercury	Unknown	968.0	Entire Lake	2027	No
Berry Run	WVLK-2-A	Fecal Coliform	Unknown	2.7	Entire length	2027	No
Gillespie Run	WVLK-2-D	Fecal Coliform	Unknown	3.6	Entire length	2027	No
Mill Run	WVLK-4	Fecal Coliform	Unknown	2.3	Entire length	2027	No
Hughes River	WVLKH	Fecal Coliform	Unknown	13.8	Entire length	2027	No
		Iron	Unknown	13.8	Entire length	2027	No

LOWER NEW WATERSHED - HUC# 05050004

2 streams 6 miles

Owens Branch	WVKN-40	Fecal Coliform	Unknown	2.4	Entire length	2027	No
Tug Creek	WVKN-43	Fecal Coliform	Unknown	3.2	Entire length	2027	No

MONONGAHELA WATERSHED - HUC# 05020003

90 streams 344 miles

UNT/Building Run RM 0.47	WVM-1-C-3-A-1	Selenium	Unknown	0.4	Entire length	2027	No
Camp Run	WVM-2.1	Aluminum (d)	Unknown	3.2	Entire length	2013	No
UNT/Camp Run RM 0.79	WVM-2.1-A	Aluminum (d)	Unknown	1.5	Entire length	2013	No
		Iron	Unknown	1.5	Entire length	2013	No
		pH	Unknown	1.5	Entire length	2013	No
Crooked Run	WVM-2.5	Aluminum (d)	Unknown	3.2	Mouth to RM 3.2	2013	No
		Fecal Coliform	Unknown	5.4	Entire length	2013	No
		Iron	Unknown	3.2	Mouth to RM 3.2	2013	No
		pH	Unknown	3.2	Mouth to RM 3.2	2013	No
UNT/Crooked Run RM 2.27	WVM-2.5-B	Fecal Coliform	Unknown	2.0	Entire length	2013	No
		Iron	Unknown	2.0	Entire length	2013	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Monongahela River RM 93.07	WVM-2.6	Aluminum (d)	Unknown	1.0	Entire length	2013	No
West Run	WVM-3	Aluminum (d)	Unknown	6.4	Entire length	2013	No
		Fecal Coliform	Unknown	6.4	Entire length	2013	No
UNT/West Run RM 0.91	WVM-3-A	Chloride	Unknown	1.1	Entire length	2013	No
		Fecal Coliform	Unknown	1.1	Entire length	2013	No
UNT/West Run RM 3.79	WVM-3-D	Aluminum (d)	Unknown	2.4	Entire length	2013	No
		Fecal Coliform	Unknown	2.4	Entire length	2013	No
		Iron	Unknown	2.4	Entire length	2013	No
		pH	Unknown	2.4	Entire length	2013	No
Robinson Run	WVM-4	Fecal Coliform	Unknown	4.4	Entire length	2013	No
Crafts Run	WVM-4-A	Aluminum (d)	Unknown	2.6	Entire length	2013	No
UNT/Robinson Run RM 1.09	WVM-4-B	Aluminum (d)	Unknown	1.2	Entire length	2013	No
Scotts Run	WVM-6	Fecal Coliform	Unknown	6.0	Entire length	2013	No
Wades Run	WVM-6-A	Fecal Coliform	Unknown	2.8	Entire length	2013	No
		Iron	Unknown	2.8	Entire length	2013	No
Guston Run	WVM-6-B	Fecal Coliform	Unknown	2.6	Entire length	2013	No
		Iron	Unknown	2.6	Entire length	2013	No
UNT/Scotts Run RM 3.58	WVM-6-F	Iron	Unknown	0.5	Mouth to RM 0.5	2027	No
UNT/Scotts Run RM 4.17	WVM-6-G	Iron	Unknown	1.0	Entire length	2013	No
UNT/Scotts Run RM 4.79	WVM-6-H	Fecal Coliform	Unknown	1.4	Entire length	2013	No
		Iron	Unknown	1.4	Entire length	2013	No
UNT/Monongahela River RM 99.49 (Popenoe Run)	WVM-6.2	Chloride	Unknown	3.4	Entire length	2013	No
		Fecal Coliform	Unknown	3.4	Entire length	2013	No
Dents Run	WVM-7	Fecal Coliform	Unknown	9.2	Entire length	2013	No
Flaggy Meadow Run	WVM-7-A	Fecal Coliform	Unknown	1.0	Entire length	2013	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Dents Run RM 3.60	WVM-7-C	Aluminum (d)	Unknown	0.6	Entire length	2013	No
Falling Run	WVM-7.7	Fecal Coliform	Unknown	0.5	Entire length	2013	No
Deckers Creek	WVM-8	DO	Unknown	2.0	RM 18.5 to RM 20.5	2013	No
		Fecal Coliform	Unknown	17.3	Mouth to RM 5.7 and RM 8.9 to RM 20.5	2013	No
Hartman Run	WVM-8-0.5A	Fecal Coliform	Unknown	1.6	Entire length	2013	No
Aaron Creek	WVM-8-A	Fecal Coliform	Unknown	8.4	Entire length	2013	No
Knocking Run	WVM-8-A.5	Fecal Coliform	Unknown	2.0	Entire length	2013	No
UNT/Deckers Creek RM 5.70	WVM-8-A.7	Fecal Coliform	Unknown	2.2	Entire length	2013	No
Tibbs Run	WVM-8-B	Fecal Coliform	Unknown	5.3	Entire length	2013	No
Glady Run	WVM-8-D	Aluminum (d)	Unknown	1.4	Entire length	2013	No
Slabcamp Run	WVM-8-F	Aluminum (d)	Unknown	1.4	Entire length	2013	No
Dillan Creek	WVM-8-G	Aluminum (d)	Unknown	2.8	RM 2.6 (abv impoundment) to HW	2013	No
		Fecal Coliform	Unknown	2.1	Mouth to RM 2.1 (below impoundment)	2013	No
Laurel Run/Deckers Creek	WVM-8-H	Aluminum (d)	Unknown	3.5	Entire length	2013	No
Kanes Creek	WVM-8-I	Aluminum (d)	Unknown	4.3	Entire length	2013	No
UNT/Kanes Creek RM 2.36	WVM-8-I-0.9	Iron	Unknown	0.6	Entire length	2013	No
Cobun Creek	WVM-9	Fecal Coliform	Unknown	6.2	Mouth to RM 6.2	2013	No
Owl Creek	WVM-10-D	Aluminum (d)	Unknown	4.0	Entire length	2013	No
UNT/Booths Creek RM 6.27	WVM-10-F	Aluminum (d)	Unknown	1.0	Entire length	2013	No
UNT/Booths Creek RM 7.43	WVM-10-I	Fecal Coliform	Unknown	3.1	Entire length	2013	No
Brand Run	WVM-11	Aluminum (d)	Unknown	2.4	Entire length	2013	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Flaggy Meadow Run	WVM-14	Chloride	Unknown	2.2	Mouth to RM 2.2	2013	No
		Fecal Coliform	Unknown	3.0	Entire length	2013	No
UNT/Flaggy Meadow Run RM 2.15	WVM-14-D	Chloride	Unknown	0.8	Entire length	2013	No
Birchfield Run	WVM-15	Aluminum (d)	Unknown	2.3	Entire length	2013	No
Whiteday Creek	WVM-16	Iron (trout)	Unknown	7.2	RM 12.3 to HW	2013	No
UNT/Whiteday Creek RM 1.68	WVM-16-0.8A	Fecal Coliform	Unknown	1.2	Entire length	2013	No
Laurel Run/Whiteday Creek	WVM-16-D	Fecal Coliform	Unknown	2.6	Entire length	2013	No
Indian Creek	WVM-17	Fecal Coliform	Unknown	9.4	Entire length	2013	No
Little Indian Creek	WVM-17-A	Fecal Coliform	Unknown	5.6	Entire length	2013	No
UNT/Indian Creek RM 7.23	WVM-17-E	Fecal Coliform	Unknown	1.5	Entire length	2013	No
Prickett Creek	WVM-19	Fecal Coliform	Unknown	13.6	Entire length	2013	No
Scratchers Run	WVM-19-A	Fecal Coliform	Unknown	3.0	Entire length	2013	No
Grassy Run	WVM-19-E	Fecal Coliform	Unknown	2.5	Entire length	2013	No
Tunnel Hollow	WVM-19-J	Selenium	Unknown	0.8	Entire length	2023	No
Parker Run	WVM-20	Aluminum (d)	Unknown	2.6	Entire length	2013	No
		Fecal Coliform	Unknown	2.6	Entire length	2013	No
UNT/Monongahela River RM 123.45	WVM-20.2	Aluminum (d)	Unknown	1.0	Entire length	2013	No
Pharaoh Run	WVM-21	Fecal Coliform	Unknown	3.3	Entire length	2013	No
Paw Paw Creek	WVM-22	Chloride	Unknown	1.8	RM 10.3 to RM 12.1	2013	No
		Fecal Coliform	Unknown	14.4	Entire length	2013	No
Little Paw Paw Creek	WVM-22-A	Fecal Coliform	Unknown	7.4	Entire length	2013	No
Arnett Run	WVM-22-A.5	Iron	Unknown	1.2	Entire length	2013	No
		Selenium	Unknown	1.2	Entire length	2013	No
Bennefield Prong	WVM-22-H	Fecal Coliform	Unknown	2.4	Entire length	2013	No
Sugar Run	WVM-22-K	Fecal Coliform	Unknown	2.2	Entire length	2013	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Monongahela River RM 126.94	WVM-22.9	Aluminum (d)	Unknown	0.5	Entire length	2027	No
		pH	Unknown	0.5	Entire length	2027	No
Buffalo Creek	WVM-23	Chloride	Unknown	30.2	Entire length	2013	No
		Fecal Coliform	Unknown	30.2	Entire length	2013	No
		Iron	Unknown	30.2	Entire length	2013	No
Finchs Run	WVM-23-B	Fecal Coliform	Unknown	4.0	Entire length	2013	No
UNT/Finchs Run RM 1.15	WVM-23-B-1	Fecal Coliform	Unknown	1.6	Entire length	2013	No
		Iron	Unknown	1.6	Entire length	2013	No
Moody Run	WVM-23-C	Fecal Coliform	Unknown	1.9	Entire length	2013	No
Dunkard Mill Run	WVM-23-E	Fecal Coliform	Unknown	4.8	Entire length	2013	No
		Iron	Unknown	4.8	Entire length	2013	No
Bethel Run	WVM-23-E-0.5	Fecal Coliform	Unknown	3.4	Entire length	2013	No
UNT/Bethel Run RM 0.80	WVM-23-E-0.5-A	Fecal Coliform	Unknown	1.7	Entire length	2013	No
Little Laurel Run	WVM-23-F	Fecal Coliform	Unknown	1.4	Entire length	2013	No
		Iron	Unknown	1.4	Entire length	2013	No
Plum Run	WVM-23-I	Fecal Coliform	Unknown	6.2	Entire length	2013	No
		Iron	Unknown	6.2	Entire length	2013	No
Mod Run	WVM-23-K	DO	Unknown	4.0	Entire length	2013	No
		Fecal Coliform	Unknown	4.0	Entire length	2013	No
Mahan Run	WVM-23-L	Fecal Coliform	Unknown	3.6	Entire length	2013	No
Flaggy Meadow Run	WVM-23-N	Fecal Coliform	Unknown	2.5	Entire length	2013	No
Fleming Fork	WVM-23-N-1	Fecal Coliform	Unknown	1.5	Entire length	2013	No
Pyles Fork	WVM-23-O	Fecal Coliform	Unknown	11.0	Entire length	2013	No
Flat Run	WVM-23-O-3	Chloride	Unknown	5.0	Entire length	2013	No
		Fecal Coliform	Unknown	5.0	Entire length	2013	No
Llewellyn Run	WVM-23-O-3-A	Chloride	Unknown	2.6	Entire length	2013	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
State Road Fork	WVM-23-O-5	Fecal Coliform	Unknown	3.9	Entire length	2013	No
Campbell Run	WVM-23-O-7	Fecal Coliform	Unknown	3.0	Entire length	2013	No
Dents Run	WVM-23-P	Fecal Coliform	Unknown	5.1	Entire length	2013	No
		Iron	Unknown	5.1	Entire length	2013	No
Whetstone Run	WVM-23-Q	Fecal Coliform	Unknown	2.6	Entire length	2013	No
Joes Run	WVM-23-R	Fecal Coliform	Unknown	1.8	Entire length	2013	No
UNT/Buffalo Creek RM 23.53	WVM-23-T.3	Chloride	Unknown	1.1	Entire length	2013	No
Owen Davy Fork	WVM-23-W	Fecal Coliform	Unknown	4.0	Entire length	2013	No
Bartholomew Fork	WVM-23-X	Fecal Coliform	Unknown	6.1	Entire length	2013	No
Warrior Fork	WVM-23-Y	Fecal Coliform	Unknown	3.8	Entire length	2013	No
Evans Run	WVM-23-Y-1	Fecal Coliform	Unknown	2.5	Entire length	2013	No
Hickman Run	WVM-24	Fecal Coliform	Unknown	3.8	Entire length	2013	No
		Iron	Unknown	3.8	Entire length	2013	No
Coal Run	WVM-25	Fecal Coliform	Unknown	1.0	Entire length	2013	No
UNT/Monongahela River RM 128.55	WVM-25.9	Fecal Coliform	Unknown	1.2	Entire length	2013	No

UPPER NEW WATERSHED - HUC# 05050002
1 stream 2 miles

Belcher Branch	WVKNB-30-C	Selenium	Unknown	2.2	Entire length	2027	No
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WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
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HYDROLOGIC GROUP E

BIG SANDY WATERSHED - HUC# 05070204

1 stream 2 miles

Miller Creek	WVBS-1	Fecal Coliform	Unknown	1.7	Entire length	2023	No
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CACAPON WATERSHED - HUC# 02070003

1 stream 37 miles

Cacapon River	WVPC	CNA-Algae	Unknown	37.0	RM 39 (North River) to RM 76 (Rte 259 bridge near Wardensville)	2023	No
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DUNKARD WATERSHED - HUC# 05020005

8 streams 20 miles

Days Run	WVM-1-C	Selenium	Unknown	3.6	RM 4.8 to HW	2023	No
UNT/Shriver Run RM 0.62	WVM-1-C-3-0.7A	Selenium	Unknown	0.9	Entire length	2023	No
UNT/Building Run RM 0.47	WVM-1-C-3-A-1	Selenium	Unknown	0.4	Entire length	2023	No
Right Branch/Miracle Run	WVM-1-E-2	Selenium	Unknown	8.8	Entire length	2023	No
UNT/Miracle Run RM 4.89	WVM-1-E-4.7	Selenium	Unknown	0.8	Entire length	2023	No
Shriver Run	WVM-1-F-4	Selenium	Unknown	1.8	Entire length	2023	No
Range Run	WVM-1-F-5	Selenium	Unknown	1.5	Mouth to RM 1.5	2023	No
UNT/South Fork RM 2.94/West Virginia Fork	WVM-1-F-7-F	Selenium	Unknown	1.7	Entire length	2023	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UPPER GUYANDOTTE WATERSHED - HUC# 05070101						21 streams 54 miles	
Whitman Creek	WVOG-65-B-2	Selenium	Unknown	3.0	RM 3.8 to HW	2023	No
Skifus Branch	WVOG-65-B-2-C	Selenium	Unknown	0.8	Entire length	2023	No
UNT/Trace Fork RM 2.95	WVOG-65-B-4-G	Selenium	Unknown	0.7	Entire length	2023	No
Pine Creek	WVOG-65-H	Selenium	Unknown	6.4	Entire length	2023	No
Right Fork/Pine Creek	WVOG-65-H-1	Selenium	Unknown	2.9	Entire length	2023	No
Left Fork/Pine Creek	WVOG-65-H-3	Selenium	Unknown	2.4	Entire length	2023	No
UNT/Pine Creek RM 5.96	WVOG-65-H-5	Selenium	Unknown	0.7	Entire length	2023	No
Dingess Run	WVOG-68	Selenium	Unknown	6.3	Mouth to RM 6.3	2023	No
Freeze Fork	WVOG-68-G	Selenium	Unknown	2.1	Entire length	2023	No
Georges Creek	WVOG-68-H	Selenium	Unknown	1.5	Mouth to RM 1.5	2023	No
UNT/Georges Creek RM 1.07	WVOG-68-H-1	Selenium	Unknown	1.2	Entire length	2023	No
Slab Fork	WVOG-70-B	Selenium	Unknown	4.0	Entire length	2023	No
Right Fork/Buffalo Creek	WVOG-75-A	Selenium	Unknown	8.1	Entire length	2023	No
UNT/Buffalo Creek RM 5.15	WVOG-75-C.3	Selenium	Unknown	1.0	Entire length	2023	No
UNT/Mudlick Branch RM 0.54	WVOG-75-C.5-1	Selenium	Unknown	0.8	Entire length	2023	No
Dingess Branch	WVOG-75-H	Selenium	Unknown	2.9	Entire length	2023	No
Paynter Branch	WVOG-76-M	Selenium	Unknown	2.5	Entire length	2023	No
UNT/Paynter Branch RM 1.86	WVOG-76-M-3	Selenium	Unknown	0.8	Entire length	2023	No
Road Branch	WVOG-76-O	Selenium	Unknown	2.5	Entire length	2023	No
UNT/Road Branch RM 1.79	WVOG-76-O-3	Selenium	Unknown	0.5	Entire length	2023	No
Berry Branch	WVOG-138-A	Fecal Coliform	Unknown	2.9	Entire length	2023	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
WEST FORK WATERSHED - HUC# 05020002				1 Lake 2650 acres 183 streams 682 miles			
Stonewall Jackson Lake	WVMW-(L1)	Methylmercury	Unknown	2650.0	Entire Lake	2023	No
Mill Fall Run	WVMW-1	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Booths Creek	WVMW-2	Fecal Coliform	Unknown	8.6	Entire length	2014	No
UNT/Booths Creek RM 1.39	WVMW-2-0.1A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Booths Creek RM 3.58	WVMW-2-0.5A	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/Booths Creek RM 4.11	WVMW-2-0.6A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Booths Creek RM 4.81	WVMW-2-0.8A	Iron	Unknown	0.8	Entire length	2014	No
Hog Lick Run	WVMW-2-A	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Sapp Run	WVMW-2-B	Fecal Coliform	Unknown	2.5	Entire length	2014	No
		Iron	Unknown	2.5	Entire length	2014	No
Purdys Run	WVMW-2-D-1	Aluminum (d)	Unknown	1.4	Entire length	2014	No
Hustead Fork	WVMW-2-E	Fecal Coliform	Unknown	9.0	Entire length	2014	No
		Iron	Unknown	9.0	Entire length	2014	No
Corbin Branch	WVMW-2-F	Fecal Coliform	Unknown	9.0	Entire length	2014	No
Thomas Fork	WVMW-2-G	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Coons Run	WVMW-3	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Helens Run	WVMW-4	Fecal Coliform	Unknown	4.0	Entire length	2014	No
Tevebaugh Creek	WVMW-5	Fecal Coliform	Unknown	4.6	Entire length	2014	No
Camp Run	WVMW-6	Fecal Coliform	Unknown	2.2	Entire length	2014	No
Bingamon Creek	WVMW-7	Chloride	Unknown	3.1	RM 11.5 to HW	2014	No
		Fecal Coliform	Unknown	14.6	Entire length	2014	No
Little Bingamon Creek	WVMW-7-A	Fecal Coliform	Unknown	6.0	Entire length	2014	No
		Iron	Unknown	6.0	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Little Bingamon Creek RM 1.59	WVMW-7-A-2	Fecal Coliform	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No
Long Run	WVMW-7-B	Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
Elklick Run	WVMW-7-C	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Cunningham Run	WVMW-7-D	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Glade Fork	WVMW-7-F	Fecal Coliform	Unknown	5.0	Entire length	2014	No
Coal Lick Run	WVMW-7-F-1	Fecal Coliform	Unknown	2.2	Entire length	2014	No
Quaker Fork	WVMW-7-G	Fecal Coliform	Unknown	3.0	Entire length	2014	No
Harris Fork	WVMW-7-H	Chloride	Unknown	1.8	Entire length	2014	No
		Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Harris Fork RM 0.65	WVMW-7-H-2	Chloride	Unknown	0.8	Entire length	2014	No
UNT/West Fork River RM 11.44	WVMW-7.1	Fecal Coliform	Unknown	0.7	Entire length	2014	No
Laurel Run	WVMW-8	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/West Fork River RM 13.10	WVMW-8.5	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Mudlick Run	WVMW-9	Fecal Coliform	Unknown	2.9	Entire length	2014	No
UNT/West Fork River RM 13.91	WVMW-9.5	Fecal Coliform	Unknown	0.7	Entire length	2014	No
Browns Run	WVMW-10	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Shinns Run	WVMW-11	Aluminum (d)	Unknown	6.6	Entire length	2014	No
		Fecal Coliform	Unknown	6.6	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
UNT/Shinns Run RM 3.69	WVMW-11-D	Fecal Coliform	Unknown	1.6	Entire length	2014	No
UNT/Shinns Run RM 5.61	WVMW-11-F	Aluminum (d)	Unknown	0.6	Entire length	2014	No
		Iron	Unknown	0.6	Entire length	2014	No
		pH	Unknown	0.6	Entire length	2014	No
Robinson Run	WVMW-12	Fecal Coliform	Unknown	5.4	Entire length	2014	No
Tenmile Creek	WVMW-13	Fecal Coliform	Unknown	26.4	Entire length	2014	No
Jack Run	WVMW-13-0.5A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Jones Creek	WVMW-13-A	Fecal Coliform	Unknown	8.8	Entire length	2014	No
Nolan Run	WVMW-13-A-1	Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
		Manganese	Unknown	2.0	Entire length	2014	No
Little Tenmile Creek	WVMW-13-B	Fecal Coliform	Unknown	13.0	Entire length	2014	No
Peters Run	WVMW-13-B-1	Fecal Coliform	Unknown	1.2	Entire length	2014	No
UNT/Little Tenmile Creek RM 1.91	WVMW-13-B-1.5	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Laurel Run/Little Tenmile Creek	WVMW-13-B-4	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Little Elk Creek	WVMW-13-B-5	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Big Elk Creek	WVMW-13-B-6	Fecal Coliform	Unknown	3.0	Entire length	2014	No
Middle Run/Little Tenmile Creek	WVMW-13-B-7	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Mudlick Run	WVMW-13-B-9	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Isaac Creek	WVMW-13-C	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Gregory Run	WVMW-13-D	Fecal Coliform	Unknown	2.4	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Katy Lick Run	WVMW-13-E	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Flag Run	WVMW-13-E.5	Fecal Coliform	Unknown	2.0	Entire length	2014	No
		Iron	Unknown	2.0	Entire length	2014	No
UNT/Tenmile Creek RM 10.82	WVMW-13-E.7	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Rockcamp Run	WVMW-13-F	Fecal Coliform	Unknown	6.8	Entire length	2014	No
Little Rockcamp Run	WVMW-13-F-1	Fecal Coliform	Unknown	3.6	Mouth to RM 3.6	2014	No
Grass Run	WVMW-13-G	Fecal Coliform	Unknown	5.6	Entire length	2014	No
Indian Run	WVMW-13-H	Fecal Coliform	Unknown	5.0	Entire length	2014	No
Salem Fork	WVMW-13-I	Fecal Coliform	Unknown	9.2	Entire length	2014	No
UNT/Salem Fork RM 2.43	WVMW-13-I-0.5	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Cherrycamp Run	WVMW-13-I-2	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Patterson Fork	WVMW-13-I-3	Fecal Coliform	Unknown	2.4	Entire length	2014	No
UNT/Patterson Fork RM 0.59	WVMW-13-I-3-B	Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Tenmile Creek RM 22.53	WVMW-13-M.5	Fecal Coliform	Unknown	0.3	Entire length	2014	No
		Iron	Unknown	0.3	Entire length	2014	No
Coburn Fork	WVMW-13-N	Fecal Coliform	Unknown	4.2	Entire length	2014	No
Shaw Run	WVMW-13-N-1	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/West Fork River RM 20.42	WVMW-14.2	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Simpson Creek	WVMW-15	Fecal Coliform	Unknown	28.0	Entire length	2014	No
Smith Run	WVMW-15-B	Aluminum (d)	Unknown	2.0	Entire length	2014	No
		Fecal Coliform	Unknown	2.0	Entire length	2014	No
Barnett Run	WVMW-15-C	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Davisson Run	WVMW-15-D	Fecal Coliform	Unknown	3.0	Entire length	2014	No
Ann Run	WVMW-15-E	Fecal Coliform	Unknown	3.6	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Beards Run	WVMW-15-G	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Berry Run	WVMW-15-I	Fecal Coliform	Unknown	3.3	Entire length	2014	No
Right Fork/Simpson Creek	WVMW-15-J	Fecal Coliform	Unknown	3.6	Entire length	2014	No
UNT/Right Fork RM 0.33/Simpson Creek	WVMW-15-J-0.3	Aluminum (d)	Unknown	0.3	Entire length	2014	No
Buck Run	WVMW-15-J-1	Fecal Coliform	Unknown	2.7	Entire length	2014	No
Sand Lick Run	WVMW-15-J-2	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Gabe Fork	WVMW-15-J-3	Fecal Coliform	Unknown	5.5	Entire length	2014	No
UNT/Simpson Creek RM 21.92	WVMW-15-J.5	Fecal Coliform	Unknown	1.7	Entire length	2014	No
Bartlett Run	WVMW-15-K	Fecal Coliform	Unknown	1.8	Entire length	2014	No
UNT/Simpson Creek RM 22.72	WVMW-15-K.7	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Stillhouse Run	WVMW-15-L-1	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/West Branch RM 1.57/Simpson Creek	WVMW-15-L-2	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Simpson Creek RM 26.94	WVMW-15-N	Fecal Coliform	Unknown	0.9	Entire length	2014	No
UNT/Lambert Run RM 1.49	WVMW-16-A	Iron	Unknown	1.0	Entire length	2014	No
UNT/Lambert Run RM 2.77	WVMW-16-B	Fecal Coliform	Unknown	1.7	Entire length	2014	No
		Iron	Unknown	1.7	Entire length	2014	No
Jack Run	WVMW-17	Fecal Coliform	Unknown	2.4	Entire length	2014	No
Crooked Run	WVMW-19	Fecal Coliform	Unknown	2.5	Entire length	2014	No
Limestone Run	WVMW-20	Fecal Coliform	Unknown	6.2	Entire length	2014	No
Stone Coal Run	WVMW-20-A	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Simpson Fork	WVMW-20-B	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Johnson Fork	WVMW-20-C	CNA-Biological	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Phoenix Hollow	WVMW-20-D	Fecal Coliform	Unknown	0.6	Entire length	2014	No
		Iron	Unknown	0.6	Entire length	2014	No
Elk Creek	WVMW-21	Fecal Coliform	Unknown	29.0	Entire length	2014	No
Murphy Run	WVMW-21-A	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Ann Moore Run	WVMW-21-B	Fecal Coliform	Unknown	0.8	Entire length	2014	No
Nutter Run	WVMW-21-D	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Turkey Run	WVMW-21-E	Fecal Coliform	Unknown	1.7	Entire length	2014	No
Hooppole Run	WVMW-21-F	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Brushy Fork	WVMW-21-G	Fecal Coliform	Unknown	14.0	Entire length	2014	No
UNT/Brushy Fork RM 3.37	WVMW-21-G-0.5	Fecal Coliform	Unknown	1.6	Entire length	2014	No
		Iron	Unknown	1.6	Entire length	2014	No
Coplin Run	WVMW-21-G-1	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Glade Run	WVMW-21-G-2	Fecal Coliform	Unknown	1.3	Entire length	2014	No
Stonecoal Run	WVMW-21-G-3	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Zachs Run	WVMW-21-H	Fecal Coliform	Unknown	2.6	Entire length	2014	No
Chub Run	WVMW-21-I	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Fall Run	WVMW-21-J	Fecal Coliform	Unknown	1.9	Entire length	2014	No
Hastings Run	WVMW-21-K	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Gnatty Creek	WVMW-21-M	Fecal Coliform	Unknown	8.9	Entire length	2014	No
Rooting Creek	WVMW-21-M-1	Fecal Coliform	Unknown	8.4	Entire length	2014	No
Stouts Run	WVMW-21-N	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Birds Run	WVMW-21-O	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Arnold Run	WVMW-21-P	Fecal Coliform	Unknown	2.8	Entire length	2014	No
Isaacs Run	WVMW-21-Q	Fecal Coliform	Unknown	2.0	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Stewart Run	WVMW-21-S	Fecal Coliform	Unknown	3.6	Entire length	2014	No
UNT/Elk Creek RM 27.87	WVMW-21-T.7	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Davisson Run	WVMW-22	Fecal Coliform	Unknown	4.8	Entire length	2014	No
UNT/West Fork River RM 37.02	WVMW-22.8	Fecal Coliform	Unknown	1.9	Entire length	2014	No
Washburncamp Run	WVMW-22-A	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Browns Creek	WVMW-23	Fecal Coliform	Unknown	5.0	Entire length	2014	No
Coburns Creek	WVMW-24	Fecal Coliform	Unknown	3.2	Entire length	2014	No
Sycamore Creek	WVMW-25	Fecal Coliform	Unknown	5.7	Entire length	2014	No
Lost Creek	WVMW-26	Fecal Coliform	Unknown	11.4	Entire length	2014	No
UNT/Lost Creek RM 3.32	WVMW-26-0.5A	Fecal Coliform	Unknown	1.0	Entire length	2014	No
UNT/Lost Creek RM 4.23	WVMW-26-0.8A	Iron	Unknown	0.7	Entire length	2014	No
Bonds Run	WVMW-26-A	Fecal Coliform	Unknown	1.4	Entire length	2014	No
UNT/Lost Creek RM 6.91	WVMW-26-B	Fecal Coliform	Unknown	2.1	Entire length	2014	No
Buffalo Creek	WVMW-27	Fecal Coliform	Unknown	4.7	Entire length	2014	No
Duck Creek	WVMW-28	Fecal Coliform	Unknown	4.0	Entire length	2014	No
UNT/Duck Creek RM 2.78	WVMW-28-J	Fecal Coliform	Unknown	0.6	Entire length	2014	No
Isaacs Creek	WVMW-29	Fecal Coliform	Unknown	6.2	Entire length	2014	No
		Iron	Unknown	6.2	Entire length	2014	No
UNT/Isaacs Creek RM 2.90	WVMW-29-D	Fecal Coliform	Unknown	1.6	Entire length	2014	No
Two Lick Creek	WVMW-30	Fecal Coliform	Unknown	3.8	Entire length	2014	No
Hackers Creek	WVMW-31	Fecal Coliform	Unknown	25.4	Entire length	2014	No
McKinney Run	WVMW-31-A	Fecal Coliform	Unknown	2.9	Entire length	2014	No
West Run	WVMW-31-B	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Jesse Run	WVMW-31-C	Fecal Coliform	Unknown	7.4	Entire length	2014	No
		Iron	Unknown	7.4	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Lifes Run	WVMW-31-D	Fecal Coliform	Unknown	3.6	Entire length	2014	No
Stony Run	WVMW-31-E	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Bloody Run	WVMW-31-E.5	Fecal Coliform	Unknown	2.0	Entire length	2014	No
Laurel Lick	WVMW-31-F	Fecal Coliform	Unknown	3.0	Entire length	2014	No
		Iron	Unknown	3.0	Entire length	2014	No
Buckhannon Run	WVMW-31-G	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Lefthand Fork	WVMW-31-H	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Kincheloe Creek	WVMW-32	Fecal Coliform	Unknown	10.2	Entire length	2014	No
		Iron	Unknown	10.2	Entire length	2014	No
Browns Run	WVMW-32-B	Fecal Coliform	Unknown	1.4	Entire length	2014	No
		Iron	Unknown	1.4	Entire length	2014	No
Right Fork/Kincheloe Creek	WVMW-32-E	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Tanner Fork	WVMW-32-G	Fecal Coliform	Unknown	3.2	Entire length	2014	No
		Iron	Unknown	3.2	Entire length	2014	No
McCann Run	WVMW-34	Fecal Coliform	Unknown	2.6	Entire length	2014	No
		Iron	Unknown	2.6	Entire length	2014	No
Sycamore Lick	WVMW-35	Fecal Coliform	Unknown	1.8	Entire length	2014	No
		Iron	Unknown	1.8	Entire length	2014	No
Freemans Creek	WVMW-36	Fecal Coliform	Unknown	5.6	Entire length	2014	No
		Iron	Unknown	5.6	Entire length	2014	No
Geelick Run	WVMW-36-A	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No

WEST VIRGINIA

2012 Section 303(d) List - New Listings

WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Mare Run	WVMW-36-C.5	Fecal Coliform	Unknown	2.2	Entire length	2014	No
Right Fork/Freemans Creek	WVMW-36-D	Fecal Coliform	Unknown	7.4	Entire length	2014	No
		Iron	Unknown	7.4	Entire length	2014	No
Left Fork/Freemans Creek	WVMW-36-E	Fecal Coliform	Unknown	5.9	Entire length	2014	No
		Iron	Unknown	5.9	Entire length	2014	No
UNT/West Fork River RM 65.49	WVMW-36.4	Fecal Coliform	Unknown	1.5	Entire length	2014	No
		Iron	Unknown	1.5	Entire length	2014	No
Maxwell Run	WVMW-37	Fecal Coliform	Unknown	2.4	Entire length	2014	No
		Iron	Unknown	2.4	Entire length	2014	No
Stonecoal Creek	WVMW-38	Fecal Coliform	Unknown	12.8	Entire length	2014	No
		Iron	Unknown	4.5	Mouth to RM 4.5	2014	No
UNT/Stonecoal Creek RM 2.43	WVMW-38-A.6	Fecal Coliform	Unknown	1.2	Entire length	2014	No
Hilly Upland Run	WVMW-38-C	Fecal Coliform	Unknown	2.5	Entire length	2014	No
Grass Run	WVMW-38-E	Fecal Coliform	Unknown	1.4	Entire length	2014	No
Right Fork/Stonecoal Creek	WVMW-38-G	Fecal Coliform	Unknown	7.3	Abv impoundment to HW	2014	No
		Iron	Unknown	7.3	Abv impoundment to HW	2014	No
Pringle Fork	WVMW-38-G-3	Fecal Coliform	Unknown	3.6	Entire length	2014	No
		Iron	Unknown	3.6	Mouth to RM 1.3	2014	No
Spruce Fork	WVMW-38-G-6	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Gladly Fork	WVMW-38-G-7	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Fall Run	WVMW-38-G-7-A	Fecal Coliform	Unknown	1.3	Entire length	2014	No
		Iron	Unknown	1.3	Entire length	2014	No
Polk Creek	WVMW-39	Iron	Unknown	8.5	Entire length	2014	No

WEST VIRGINIA
2012 Section 303(d) List - New Listings
WEST VIRGINIA

Stream Name	Stream Code	Criteria Affected	Source	Impaired Size (stream-miles) (lake-acres)	Reach Description	Projected TMDL Year (No Later Than)	2010 list?
Dry Fork	WVMW-39-B	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Sassafras Run	WVMW-39-C	Fecal Coliform	Unknown	2.3	Entire length	2014	No
Murphy Creek	WVMW-41	Fecal Coliform	Unknown	6.3	Entire length	2014	No
		Iron	Unknown	6.3	Entire length	2014	No
Rush Run	WVMW-43	Fecal Coliform	Unknown	6.0	Entire length	2014	No
		Iron	Unknown	6.0	Entire length	2014	No
Stone Lick	WVMW-44	Fecal Coliform	Unknown	1.0	Entire length	2014	No
Skin Creek	WVMW-46	Fecal Coliform	Unknown	1.6	RM 11.0 to HW	2014	No
Wolf Fork	WVMW-46-A	Fecal Coliform	Unknown	3.8	Entire length	2014	No
Glady Fork	WVMW-46-B	Fecal Coliform	Unknown	2.7	Entire length	2014	No
Linger Run	WVMW-46-C-6	Fecal Coliform	Unknown	1.8	Entire length	2014	No
Canoe Run	WVMW-49	Fecal Coliform	Unknown	3.5	Entire length	2014	No
Dunkin Run	WVMW-50-A	Iron	Unknown	1.4	Entire length	2014	No
Sammy Run	WVMW-50-E	Fecal Coliform	Unknown	2.1	Entire length	2014	No
		Iron	Unknown	2.1	Entire length	2014	No
Abrams Run	WVMW-54	Fecal Coliform	Unknown	3.8	Entire length	2014	No
		Iron	Unknown	3.8	Entire length	2014	No
Right Fork/West Fork River	WVMW-55	Fecal Coliform	Unknown	6.8	Entire length	2014	No
Big Run	WVMW-55-A	Fecal Coliform	Unknown	2.8	Entire length	2014	No
		Iron	Unknown	2.8	Entire length	2014	No
Sugarcamp Run	WVMW-55-C	Fecal Coliform	Unknown	2.6	Entire length	2014	No



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