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8/24/21

DRAFT FACT SHEET
Virginia Water Protection (VWP) Individual Permit No. 21-0416
Mountain Valley Pipeline Project, Craig, Franklin, Giles, Montgomery, Pittsylvania, and Roanoke Counties, Virginia

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DEQ has reviewed the application for the VWP Individual Permit No. 21-0416 and has determined that the project qualifies for an individual permit. Pursuant to Va. Code 62.1-44.15:20.D, issuance of the permit shall, in conjunction with Certification No. 17-001, constitute the certification required under Section 401 of the federal Clean Water Act for the project.

The following details the application review process and summarizes relevant information for developing the Part I - Special Conditions for permit issuance.

1. Contact Information:

Permittee Legal Name and Address:

Mountain Valley Pipeline, LLC
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Canonsburg, PA 15317
Robert Cooper
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724-271-7600

Agent Legal Name and Address

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Henry Schumacher
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Phone

2. Processing Dates:

Prefiling Meeting Request:	1/26/21
Prefiling Meeting:	2/3/21
Received Application:	2/22/21
Received Joint Permit Application (JPA) Number:	3/1/21
Water Quality Certification Request:	3/4/21
Application Complete:	6/4/21
Permit Fee Deposited by Accounting:	6/4/21
Processing Deadline (120 days from Complete Application):	10/2/21
1st Request for Additional Information Sent:	3/16/21
Final Request for Additional Information Received:	5/14/21

Notification of JPA sent to Local Government(s):	3/30/21
Request for comments sent to VDH, VDWR, VDCR, VMRC:	4/19/21
Letters sent to Riparian Landowners:	4/13/21
Draft Permit Package Issued:	8/20/21
Copy of Public Notice sent to DEQ Central Office:	Date
Copy of Public Notice sent to Local Gov't and Planning District:	Date
Public Notice Published:	8/25/21 to 8/28/21
End of 60-Day Public Comment Period:	10/27/21
Received Verification of Publication:	Date
Public Meeting or Hearing:	9/27/21 & 9/28/21
Permit Decision:	Date
Water Quality Certification Action Deadline:	12/31/21

3. Project Location and Site Description:

The Mountain Valley Pipeline (MVP) Project is a 42-inch diameter natural gas pipeline approximately 304 miles in length, running from Wetzel County, West Virginia to Transco Village in Pittsylvania County, Virginia. The portion of the project located within Virginia consists of approximately 107 miles of pipeline and 51 miles of access roads in Giles, Craig, Montgomery, Roanoke, Franklin, and Pittsylvania counties. Stationing numbers and mileposts (MP) identified on application map entitled *Mountain Valley Pipeline Project Spreads 8, 9, 10 & 11,* dated July 2018, and *Figure 4. Detail Maps 4-525 through 4-786* of the application provide reference points for locations along the pipeline. *Figure 5. USACE Norfolk District Wetlands and Waterbodies Overview Map* depicts the Project's location in Virginia, including surface waters located within the project's right-of-way.

The portions of this project occurring in uplands are in various states of construction. Generally, the applicant has cleared right-of-way and installed pipeline in the upland areas that do not require permits to impact surface waters. Many of these areas remain cleared and in a state of temporary stabilization as MVP seeks authorization to install the pipeline across streams and wetlands. MVP previously undertook some surface water impacts in Virginia under its original Nationwide Permit 12 authorization. MVP has installed one wetland and three stream crossings in Montgomery County and two wetland and twenty-one stream crossings in Franklin County. The current VWP Permit application is for the remaining impacts to state waters associated with pipeline construction, access roads and support activities. The application proposes 428 total surface water impact locations comprised of 315 temporary stream impact locations, 2 permanent stream impact locations, 72 temporary wetland impact locations, 1 permanent fill wetland impact and 38 permanent conversion wetland impacts.

Information for each impact location including county, waterbody, basin, subbasin, section, class, special standards, HUC, latitude, longitude, U.S.G.S. Quadrangle and State Watershed Number are provided in Table 4 located in Appendix 2 of this document.

In Virginia, the MVP crosses three EPA Level III ecoregions: 1) Ridge and Valley (MPs 191.3 to 238.1), 2) Blue Ridge (MPs 238.1 to 251.7 and 252.0 to 253.5), and 3) Piedmont (MPs 251.7 to 252.0 and 253.5 to 303.5). "*The Ridge and Valley ecoregion is a diverse and extensive region extending from New York south into Alabama. The landscape is a mix of forest, pasture, and cropland. The terrain is northeast-southwest oriented with roughly parallel ridges, rolling valleys, and irregular hills composed of*

sandstone, shale, limestone, and dolomite. The MVP pipeline route across the Ridge and Valley physiographic region would cross through the Middle New, Upper James, and Upper Roanoke River watersheds.

The Blue Ridge ecoregion is a narrow region that extends from southern Pennsylvania south into northern Georgia. The terrain is generally rugged with a variety of features including narrow ridges, hilly plateaus, and massive mountainous areas with a landscape a mix of forest, small pasture, fruit orchards, and tree farms. The MVP pipeline route across the Blue Ridge physiographic region would cross through the Upper Roanoke River watershed.

The Piedmont ecoregion is a transitional area between the mountainous Appalachians and the relatively flat coastal plain. The area is comprised of oak-hickory-pine forests with rolling hills and plains dominating the landscape. Much of the region is urbanized with a mix of planted pine, pasture, and cropland (Woods et al., 1999). The MVP pipeline route across the Piedmont physiographic region would cross through the Upper Roanoke River and Bannister watersheds."

4. Application

The application was deemed complete based on the information received from the applicant from February 22, 2021, through June 4, 2021, including the request for water quality certification submitted on March 4, 2021. This information will be hereto referred to as the "application."

5. Project Purpose:

The applicant describes the Project's purpose and need in the narrative attachment to the JPA titled "Mountain Valley Pipeline Project Individual Permit Application," dated February 2021 and detailed in the FEIS. The overall project purpose is to provide natural gas for use by local distribution companies, industrial users, and power-generation facilities in the Mid-Atlantic, southeastern, and Appalachian markets. The Project will also provide markets along the route access natural gas supplies.

Specifically, the MVP's purpose is to deliver natural gas to five contracted shippers via a pooling point at Transco Station 165 in Pittsylvania County, Virginia. This entails construction of a 42" natural gas pipeline and associated infrastructure from the new Mobley Interconnect in Wetzel County, West Virginia to the WB Interconnect in Braxton County, West Virginia; Greene Interconnect in Monroe County, West Virginia; Roanoke Gas Lafayette Tap in Montgomery County, Virginia; the Roanoke Gas Franklin Tap in Franklin County, Virginia; and finally to the existing Transcontinental Gas Pipe Line Company LLC Station 165 in Pittsylvania County, Virginia.

6. Project Information and History:

On October 23, 2015, Mountain Valley Pipeline, LLC (MVP) filed an application with the Federal Energy Regulatory Commission (FERC) for authorization, pursuant to section 7(c) of the Natural Gas Act, to construct and operate its proposed Mountain Valley Pipeline Project in West Virginia and Virginia. To satisfy the requirements of the National Environmental Policy Act of 1969 (NEPA), FERC staff evaluated the potential environmental impacts associated with the construction and operation of the MVP Project in an Environmental Impact Statement (EIS). Numerous federal and state agencies including

the U.S. Army Corps of Engineers (USACE), the U.S. Environmental Protection Agency (EPA) and the U.S. Department of the Interior (DOI), Bureau of Land Management (BLM) and Fish and Wildlife Service (FWS) participated as cooperating agencies. FERC issued the draft EIS for the project on September 16, 2016, addressing the issues raised during the scoping period and up to the point of publication.

In October 2016, after the issuance of the draft EIS, Mountain Valley filed a number of minor route modifications to address recommendations in the draft EIS, avoid sensitive environmental areas, accommodate landowner requests, or for engineering design reasons. FERC issued a Final Environmental Impact Statement (FEIS) for the Mountain Valley Project in June 2017.

Mountain Valley submitted a Joint Permit Application to the USACE, Virginia Department of Environmental Quality (DEQ), and Virginia Marine Resources Commission (VMRC) on September 11, 2017. On January 23, 2018, the USACE Norfolk District issued a letter to Mountain Valley verifying that the Project complied with all conditions of Nationwide Permit 12 (NWP 12), including the Commonwealth's April 7, 2017, conditional water quality certification for the nationwide permit.

Additionally, due to significant public concern regarding construction of the pipeline raised during 2016-2017, DEQ made the decision to require an upland 401 certification for the project. This upland 401 certification included additional conditions to address several unique aspects of the project that are not directly regulated by other regulations or permits, including the Virginia Water Protection Program. The upland 401 certification conditions focused on providing additional protections related to those unique aspects that DEQ believes are necessary in upland areas to minimize potential impacts to water quality. The resources and impacts of concern are karst hydrogeology, private and public water supplies, maximization of riparian forest buffers, surface water withdrawals that are exempt from permitting requirements, minimization of landslide risks related to construction activity on steep slopes, minimization of risks associated with blasting activities, and financial responsibility associated with impacts to private drinking water sources.

Several parties filed a petition in the U.S. Court of Appeals for the Fourth Circuit challenging the Board's decision to issue the Upland 401 Certification. Following briefing and oral argument, the court denied the petition. An opinion was issued on August 1, 2018, upholding the State Water Control Board's (SWCB) unanimous decision to issue the Upland 401 Certification (*Sierra Club v. SWCB, 898 F.3d 383 (4th Cir. 2018*).

A number of legal and regulatory events occurred during 2018 that bear on the project history and the status of wetland permitting. In the face of continuing opposition and citizen demands, in April 2018, the SWCB directed DEQ to solicit public comment on three issues surrounding the Corps' verification of NWP 12. After the public comment process concluded, the SWCB decided to take no action to amend or modify the 401 certification with respect to MVP's NWP 12 verification.

Also, during 2018, the Virginia General Assembly amended the Code of Virginia to incorporate DEQ's decision to require two 401 water quality certifications for natural gas pipeline projects that have an internal diameter greater than thirty six inches. This law became effective on July 1, 2018. The law also requires these projects to obtain an individual Virginia Water Protection Permit rather than be authorized

under a general permit. The Board approved the associated amendments to the Virginia Water Protection Permit Program regulations in September 2018.

Additionally, by letter dated October 5, 2018, the USACE suspended MVP's authorization under NWP 12. The suspension was the result of a ruling by the United States Court of Appeals for the Fourth Circuit that vacated the USACE's verification of MVP's compliance with the NWP 12 in West Virginia.

In September 2020, the USACE proposed to re-issue and modify its NWPs, including NWP 12. By letter dated December 21, 2020, DEQ denied water quality certification under the NWP 12 specifically "for any applicant to the Federal Energy Regulatory Commission for a certificate of public convenience and necessity pursuant to § 7c of the federal Natural Gas Act (15 U.S.C. § 717f(c)) to construct any natural gas transmission pipeline greater than 36 inches inside diameter, in which case issuance of a Virginia Water Protection Permit pursuant to this article and a certification issued pursuant to Article 2.6 (§ 62.1-44.15:80 et seq.)."

A detailed project history was also provided by the applicant in Section 1.2 of the Individual Permit Application narrative, Attachment B of the application, and the water quality certification request.

7. Avoidance and Minimization Efforts:

The VWPP regulations incorporate the requirement of avoidance and minimization in accordance with the federal Guidelines for Specification of Disposal Sites for Dredged or Fill Material, 40 CFR Part 230, also known as the Section 404(b)(1) guidelines (See 9VAC25-210-80 B 1 g) in terms of impacts to surface waters. FERC, the lead federal agency on the MVP Project, issued the *Mountain Valley Project and Equitrans Expansion Project Final Environmental Impact Statement (FERC/FEIS-0272F)* in June 2017. The FERC is the federal agency responsible for authorizing interstate natural gas transmission facilities under the Natural Gas Act and was the lead federal agency for preparation of the FEIS in compliance with the requirements of NEPA. The FEIS established the "preferred alternative that could meet the project purpose" for the project, which resulted in the alignment presented in the Joint Permit Application to DEQ. The application states, "*The CWA requires that the location of discharges authorized under Section 404 be determined through the application of guidelines developed by the USACE and the Environmental Protection Agency (EPA). The guidelines required by Section 404(b), which are set forth at 40 C.F.R. Part 230, require that an applicant demonstrate that the proposed discharge of dredged or fill material is the least environmentally damaging practicable alternative (LEDPA)*".

DEQ assesses VWP Permit applications for whether the application demonstrates that alternatives were evaluated and that proposed alternative is demonstrated to be the LEDPA for any given project. However, with respect to FERC-regulated interstate pipelines, the Virginia code limits the scope of DEQ's review of project alternatives in two material respects. First, Virginia Statute § 62.1-44.15:21, Impacts to wetlands, states, "*Each wetland and stream crossing shall be considered as a single and complete project; however, only one individual Virginia Water Protection Permit addressing all such crossings shall be required for any such pipeline*." SecondSecond, Virginia Statute § 62.1-44.15:81, Application and preparation of draft certification conditions, states, **"***No action by either the Department or the Board on a certification pursuant to this article shall alter the siting determination made through Federal Energy Regulatory Commission or State Corporation Commission approval.*"

Therefore, the project's alignment as presented in the application for a VWP Permit has been determined by the FERC to be "*the preferred alternative that could meet the project purpose*," and the Code of Virginia specifically excludes DEQ from evaluating further alignment modifications. As of June 2021, the MVP has already installed approximately 70%of the pipeline in the upland portions of the project right-of-way, generally leaving only the jurisdictional water crossings unconstructed. The Application states, *"FERC, as the lead agency, reviewed the no action alternative, alternative modes of transportation, system alternatives, a number of major route alternatives, and over 25 route variations in the FEIS. Based on its technical analysis and comments received, FERC concluded that the proposed Project, with the adoption of one route variation, was the preferred alternative that could meet the project purpose."*

The following is a synopsis of the no action and offsite alternatives evaluated by the applicant that were evaluated prior to the FERC's approval of the current alignment, as presented in the Application, and detailed in the *Mountain Valley Project and Equitrans Expansion Project Final Environmental Impact Statement (FERC/FEIS-0272F).*

7.1 No Action Alternatives

Alternative # 1 No Action (No Build)

MVP would not construct the Project under The No Action (No Build) Alternative. The applicant explains that this alternative would likely result in other natural gas shippers seeking alternative means to transport the proposed volumes of gas in the market associated with the Project. This, in turn, may result in the expansion of existing natural gas infrastructure and transportation systems that would have associated environmental impacts. The applicant suggests that the No Build Alternative would limit economic growth in the areas proposed for natural gas delivery. Finally, the No Build Alternative does not support the stated purpose of the project, and therefore, is not a practicable alternative.

Alternative # 2 No Action (No Permit) Alternative

Under the No Action (No Permit) Alternative, MVP would construct the Project to avoid all impacts that would require permits from USACE under Clean Water Act (CWA) § 404 and Rivers and Harbors Act (RHA) § 10, and/or DEQ under CWA § 401. MVP explains that there are hundreds of streams within the proposed alignments. Construction with no CWA permits would require a combination of rerouting around resources, installing the pipeline beneath resources and bridging resources with the pipeline. Authorization from the USACE (and VMRC) would be necessary to cross RHA § 10 navigable waters using any of the available crossing methods. This would necessitate avoiding RHA § 10 waters altogether. There are five RHA § 10 waters that the proposed pipeline route crosses, two of which, the Roanoke River and Blackwater River, are in Virginia. Avoiding RHA § 10 waters would require a longer route resulting in increased stream crossings, many of them in mountainous terrain where the topography is often prohibitive to trenchless grossing methods. The applicant concludes *"the inherent engineering and cost challenges that must be overcome to construct the Project in mountainous terrain, attempting to do so while avoiding all stream and wetland impacts likely would prove not only impracticable, but impossible."*

7.2 Natural Gas Transportation Method Alternatives

MVP considered other methods of natural gas transportation besides the transportation of natural gas via underground steel pipelines, including transportation by ships, trucks, and railroads. MVP states in the Application "*While these following options were originally considered in the FEIS, before construction began, it is worth noting that any of the environmental impacts that would result from implementing these alternatives would be in addition to the many environmental impacts of the Project, including tree clearing and WOTUS crossings, that have already occurred*."

Alternative # 3 LNG Water Vessel Delivery

MVP considered transporting the natural gas by water to terminals via ships. The closest Liquid Natural Gas (LNG) import/export terminal to the Project is the Dominion Cove Point terminal in Calvert County, Maryland.

The Cove Point terminal total capacity (1.8 Bcf/D) is less than the amount proposed by the Project (2.0 Bcf/D). To handle the required volumes of the Project, the Cove Point terminal would have to expand to over double the current size. This expansion would result in temporary and permanent environmental impacts to wetlands and other aquatic resources along the Chesapeake Bay shore. MVP states, "*The regulatory risk of obtaining approvals to expand the terminal, the cost of the expansion, and the many years it would take to complete the expansion appear to present significant obstacles. Accordingly, this option is not an 'available' alternative within the meaning of 40 C.F.R. § 230.10(a)(2).*"

MVP states that even if this alternative were pursued, LNG Truck Delivery, LNG Railroad Delivery and pipeline delivery are not practicable alternatives to transport the Project's volume of gas from the Project terminus in West Virginia to the Cove Point terminal.

MVP states that this alternative would not satisfy the overall project purpose of "*transporting low-cost natural gas produced in the Appalachian Basin to markets in the Mid-Atlantic, Appalachia, and southeastern United States*." The LNG terminals on the East or Gulf coasts capable of importing gas shipped from Cove Point are all significantly further away from the Project's delivery points than the Project terminus in Mobley, West Virginia.

MVP states that this alternative is not less environmentally damaging than the proposed alternative. The Cove Point terminal would have to double its capacity and transportation infrastructure constructed to supply the gas to the intended recipients, resulting in cumulative environmental impacts greater than the impacts of the proposed Project. MVP states, "*Based on the considerations above, the Cove Point LNG alternative is not available, practicable, or less environmentally damaging than the Project*."

Alternative # 4 LNG Truck Delivery

MVP considered the potential transportation alternative of using trucks to transport LNG on

existing roadways. MVP found this alternative to be logistically impracticable because it would require the construction of new natural gas lignification facilities in the Appalachian Basin, new gasification facilities at the delivery points, and new pipeline to deliver the gas to the liquefaction points. MVP anticipates that the required infrastructure expansion under this alternative would have substantial environmental impacts. This alternative would also require MVP to procure 3,182 transportation trucks that would have high maintenance costs and introduce a large volume of truck traffic to the public road systems. MVP concludes that, "*Due to the technical and logistical constraints associated with the construction and operation of new liquefaction and regasification facilities and associated pipelines, this is not a practicable alternative*."

Alternative # 5 LNG Railroad Delivery

MVP considered the potential transportation alternative of using railroad tanker cars along existing tracks to transport LNG. MVP found this alternative to be logistically impracticable because it would require the construction of new natural gas liquefaction facilities and new gasification facilities at the delivery points, as well as the procurement of railway access and new railway construction. MVP anticipates that the required infrastructure expansion to liquefaction and gasification facilities and the projected requirement of railway extensions under this alternative would have substantial environmental impacts. This alternative would require 779 rail cars and a daily consumption of 95,600 gallons of fuel, resulting in an increase in local air pollution. MVP concludes that, "*The environmental impacts that would result from the implementation of this alternative would be in addition to the many environmental impacts of the Project, including tree clearing and WOTUS crossings, that have already. Therefore, the Project would be less environmentally damaging than this alternative.*"

7.3 System Alternatives

Systems alternatives would use existing and proposed natural gas transmission facilities to meet the Project's purpose. The FERC evaluated existing systems.

Alternative # 6 Existing Systems

- Texas Eastern Pipeline System Alternative
- Columbia Pipeline System Alternative
- East Tennessee Pipeline System Alternative
- Transco Pipeline System Alternative

As detailed in the Application and FEIS, the FERC analysis concluded that using the alternative systems to meet the Project's purpose would result similar or greater environmental impacts as the Project. FERC determined that the system alternatives did not provide the necessary geographic coverage, did not allow for the volumes of gas proposed, would require facility expansion resulting in environmental impacts, added costs and long project delays.

7.4 Route Alternatives Analysis

Alternative # 7 Alternate Routes

MVP's route selection process considered pipeline length, avoidance of major population centers and avoidance of "sensitive areas" or "exclusion areas." The route selection considered avoidance of National Forests, National Parks, The Appalachian National Scenic Trail, and the Blue Ridge Parkway. Where avoidance of these resources was not practicable, MVP sought to find optimal crossing location. Additionally, the route analysis sought to collocate the pipeline with existing utility corridors to minimize the creation of new right-of-way. MVP evaluated collocation opportunities with existing pipelines, major highways and major electric transmission lines.

The initial corridor selection analysis identified 94 potential corridor segments consisting of approximately 2,362 miles of possible pipeline routes. MVP rejected as not practicable initial routes that partially collocated with power transmission lines, because the power lines perpendicular orientation across ridges and slopes "*presented significant construction challenges, as well as a high risk of slope failure and pipeline slips in the side-slope areas once the pipeline was in operation.*" MVP determined that collocation routes on major highways were not practicable due to federal and state constraints on activities within the roads' rights-of-way. MVP determined that location adjacent to highway rights-of-way was not practicable due to "*constructability challenges due to numerous roadway overpasses and underpasses, large interchanges, elevated sections of roadway including bridges, roadway cuts and fills, areas congested with development and homes, and narrow valleys where suitable terrain is already partially or fully encumbered by the roadway.*" MVP also determined that the roadway collocation alternative would be 143 miles longer, affect 2,100 more acres and cross an additional 104 perennial streams than the selected route.

MVP provides the following summary of the route selection process in the Application: "*Between FERC's FEIS and the Supplemental Environmental Impact Statement (SEIS) prepared by the U.S. Forest Service (USFS), the agencies evaluated 27 route alternatives and compared their impacts to the proposed pipeline. With one exception, none of the alternatives were found to be practicable or have less adverse environmental impacts than the proposed Project route. One alternative, Variation 250, was found to be practicable and have less adverse environmental impacts and has therefore been incorporated into the proposed Project route prior to completion of the FEIS. Additional details and maps for these alternatives can be found in the FERC FEIS § 3.4.2 and USFS SEIS § 2.*"

For additional information, see pages 11-23 of the *Mountain Valley Pipeline Project Individual Permit Application* dated February 2021, and pages 3-1 through 3-119 of the *Mountain Valley Project and Equitrans Expansion Project Final Environmental Impact Statement (FERC/FEIS-0272F)*, dated June 2017.

Therefore, the project's alignment as presented in the application for a VWP Permit has been determined by the FERC to be "*the preferred alternative that could meet the project purpose*". As discussed above, Virginia Statute § 62.1-44.15:21 requires that DEQ consider each stream and wetland crossing as a "single and complete project" for the purposes of its review of the application. Additionally, Virginia Statute § 62.1-44.15:81 prohibits DEQ from altering pipeline siting determinations made by FERC."

DEQ provided comments and recommendations to the FERC on December 22, 2016, for the Mountain Valley Project Draft Environmental Impact Statement (FERC/DEIS-DO272, FERC Docket Number CP16-10-000; DEQ 16-194F). These comments and recommendations addressed pre-impact characterization of temporary impact locations, surface water resources, recommended mitigation, and alignment revisions based on a GIS evaluation of each pipeline crossing of a waterbody.

Specific On-site Measures to Reduce Impacts

Beyond the siting determination, avoidance and minimization includes specific on-site measures taken to reduce the size, scope, configuration, or density of the proposed project, which would avoid or result in less adverse impact to surface waters. For the purpose of evaluating on-site avoidance and minimization efforts, DEQ considers each stream and wetland crossing to be a single and complete project. Furthermore, Virginia Statute § 62.1-44.15:21 J 1 requires DEQ to conduct an "individual review" only for any "proposed water body crossing with an upstream drainage area of five square miles or greater."

DEQ Section 401 Water Quality Certification

DEQ issued Section 401 Water Quality Certification No. 17-001 to MVP on December 8, 2017. The Certification addressed Project activities in upland areas outside of the USACE jurisdictional areas under 33 U.S.C. § 1344 and the VWP Permit Program. The Certification applies to all proposed upland activities associated with the construction, operation, maintenance, and repair of the pipeline, any components thereof or appurtenances thereto, and related access roads and rights-of-way as well as certain project-related surface water withdrawals. This Certification covers all relevant upland Project activities within the route identified in the Environmental Impact Statement. The Certification conditions related to the onsite avoidance and minimization of impacts to surface waters, including wetlands are:

1. Removal of riparian buffers not directly associated with the Project's construction activities is prohibited. Disturbance and removal of riparian buffers from Project-related upland land disturbing activities that would occur within 50 feet of any perennial, intermittent, or ephemeral surface waters shall be avoided where possible, and minimized to the maximum extent practicable if 50 feet is not possible. The Owner shall notify the Department of any and all instances in which it believes 50 feet is not possible and shall proceed only where the Department concurs with the Owner's use of less than 50 feet of buffer. Removal of riparian buffers not associated with crossings shall not be allowed where stream bank stability under normal flow conditions would be compromised.

2. The construction limit of disturbance (LOD) in upland areas approaching waterbody and wetland crossings shall be reduced from 125 feet to 75 feet wide and shall apply 50 feet from each side of the stream or wetland crossing to minimize the extent of riparian buffer disturbance. For any upland area approaching a waterbody or wetland crossing where this reduced LOD is not possible, notification of FERC approval (and Corps approval, if required) shall be provided to the Department prior to initiating land disturbing activity in that area.

3. Any surface water withdrawals for the purposes of hydrostatic testing shall not violate applicable Water Quality Standards and shall be managed so that no more than 10% of the instantaneous flow rate from the channel is removed; the intake screens shall be designed so that screen

openings are not larger than 1 millimeter and the screen face intake velocities are not greater than 0.25 feet per second.

4. Any surface water withdrawals for the purposes of horizontal directional drilling or dust control that do not exceed 10,000 gallons per day from non-tidal waters or two million gallons per day from tidal waters shall not violate applicable Water Quality Standards and shall be managed so that no more than 10% of the instantaneous flow rate from the channel is removed and the intake screens shall be designed so that screen openings are not larger than 1 millimeter and the screen face intake velocities are not greater than 0.25 feet per second.

5. All construction and installation associated with the Project, except as permitted by USACE, shall be accomplished in such a manner that construction material or waste material shall not be placed into any perennial, intermittent, or ephemeral surface waters or karst features.

6. The Owner shall implement the measures intended to minimize the potential for discharges of soil or rock as detailed in the General Blasting Plan (February 2017) and the Landslide Mitigation Plan Revision 4 (February 2017), and any subsequent revisions or addenda to the same approved by FERC. The Owner shall notify the Department immediately, but no later than 24 hours after discovery, if blasting or landslide activity results in unpermitted discharges of soil or rock to any perennial, intermittent, or ephemeral surface waters.

DEQ also regulates the potential discharge of sediments from the Project to surface waters through (a) regulations adopted for land-disturbing activities pursuant to the Stormwater Management Act (Va. Code § 62.1-44.15:24, *et seq.*) and Erosion and Sediment Control Law (Va. Code § 62.144.15:51, *et seq.*); and (b) all requirements of the Annual Standards and Specifications applicable to the Project initially approved by the Department on June 20, 2017.

In addition to the on-site avoidance and minimization measures proposed in the Application, DEQ's review of VWP Permit Application 21-0416, and subsequent requests for additional information resulted in the following on-site avoidance and minimization.

- The avoidance of impacts to wetlands W-IJ97 and W-D4, resulting in a reduction of 61 square feet of proposed permanent wetland impacts.

- A revision from permanent impact to temporary impact at wetland W-IJ96PEM, a reduction of 579 square feet to proposed permanent impacts.

- A revision from permanent impact to temporary impact at stream S-IJ85, a reduction of 401 square feet (50 linear feet) to proposed permanent stream impacts.

The VWP Permit application included MVP's evaluation of each surface water crossing of the pipeline for the practicability of using a trenchless crossing method rather than an open cut. Open-cut crossings install the pipeline via a trench excavated in the stream or wetland. Trenchless crossing methods bore or tunnel beneath the surface water resource. Trenchless methods include Horizontal Directional Drilling (HDD), Conventional Bore, Guided Conventional Bore, Microtunneling, and Direct Pipe. The Application's "*Table 15 - Crossing Method Summary*" summarizes MVP's evaluation of using trenchless

crossing methods at each surface water crossing to avoid and minimize impacts. MVP considered crossing length, bore-pit depth, stream depth, steep slopes, karst geology, cost, potential for bore failure and unique site-specific constraints. MVP's evaluation identified 236 locations where the pipeline crosses streams in Virginia. Of these 236 stream crossings, MVP determined that 92 could be crossed using trenchless methods, completely avoiding pipeline impacts to streams and wetlands at those locations.

To minimize the disturbance to surface waters from the construction equipment, the application evaluated whether equipment could access construction areas via the placement of timber mat bridges over streams instead of installing temporary road crossings and using fill material that would then have to be removed. Table B-1 of the Application identifies 317 individual stream impact areas, 315 of which are temporary impacts. Of the 315 temporary stream impact locations reported, the Application identifies 135 that propose the use of timber mats that span the affected stream channels with no direct impact proposed to the streambed.

Although Virginia Statute § 62.1-44.15:21 J 1 requires that DEQ conduct an individual review only for waterbody crossings with a drainage area greater than 5 square miles, DEQ has reviewed each crossing in the Application. Based on DEQ review of the Application, the Department has determined the Application meets the requirement of 9 VAC 25-210-80.B.1.g. in providing an alternatives analysis for the proposed Project detailing the specific on-site and off-site measures taken during project design and development to first avoid and then minimize impacts to surface waters to the maximum extent practicable in accordance with the Guidelines for Specification of Disposal Sites for Dredged or Fill Material, 40 CFR Part 230 in terms of impacts to state waters and fish and wildlife resources.

For the reasons discussed above we have determined that the alternatives evaluated are not practicable and/or do not meet the Project's purpose and need. Given the requirements under § 62.1-44.15:21 and prohibitions under § 62.1-44.15:81,we have determined the proposed project is the LEDPA.

8. Project Impacts:
The permit authorizes surface water impacts as listed below. In summary, this permit authorizes a total of 9.41 acres of impacts to surface waters consisting of 5.90 acres of wetlands and 3.51 acres (17,128 linear feet) of streams.

Impact Type	Surface Water Type	Impact Authorized	
		Square Feet	Linear Feet
Permanent	Palustrine Emergent Wetland (PEM)	1,707	N/A
	Stream Channel	441	63
	Subtotal	*2,148*	*63*
Conversion	PFO to PEM	51,826	N/A
	PSS to PEM	32,948	N/A
	Subtotal	*84,774*	N/A
Temporary	Palustrine Emergent Wetland (PEM)	170,409	N/A
	Stream Channel	152,684	17,065
	Subtotal	*323,093*	*17,065*
	TOTAL	**410,015 (9.41 Acres)**	**17,128**

The location and dimension of the Authorized surface water impacts shall be as depicted on the impacts maps provided as Figure 4 Detail Maps 4-552 through 4-786, Attachment H-3, entitled Virginia Plan and Profile Crossing Drawings, Attachment B entitled Table B-1 Virginia Stream Impacts, and Table B-2 Virginia Wetland Impacts, dated February 22, 2021, with latest revisions dated of May 14, 2021, received May 14, 2021.

9. Compensation for Unavoidable Impacts:

The VWP Permit requires the documentation of the purchase of wetland and stream compensation credits.

The Joint Permit Application provides documentation of compensatory mitigation for wetland and stream crossings. The applicant has provided compensation for the proposed permanent and conversion wetland impacts through the purchase of 7.1 wetland credits from Bannister Bend Farm, LLC Wetland Mitigation Bank in Pittsylvania County, Virginia, purchase agreement dated November 30, 2017. The applicant has provided compensation for the proposed permanent stream impacts through the purchase of 298 stream credits from Graham and David Mitigation Bank, LLC in Montgomery County, Virginia, purchase agreement dated November 30, 2017. The applicant has provided documentation of a reserved purchase of 0.014 wetland credits from Thompson Place Stream and Wetland Mitigation Bank in Blacksburg, VA, credit availability letter dated August 17, 2021.

Wetland or stream compensation is not required for temporary impacts as the temporary impacts are required to be restored to the pre-construction elevation and reseeded or planted to restore a native wetland or riparian vegetation. The restoration of temporarily impacted surface waters shall be in accordance with the approved stream and wetland restoration plan.

10. Site Inspection:

Starting in 2017 DEQ inspectors and DEQ approved third-party inspectors have conducted ongoing site inspections related to Erosion and Sediment Control plan approvals and compliance at proposed stream and wetland crossings.

11. Relevant Regulatory Agency Comments:

As part of the application-review process, DEQ contacted the appropriate state regulatory agencies. Any relevant agency comments were addressed in the VWP individual permit Part I - Special Conditions. Therefore, staff anticipates no adverse effect on water quality and fish and wildlife resources provided the applicant adheres to all permit conditions.

<u>Summary of State Agency Comments and Actions</u>

By email, dated April 19, 2021, DEQ requested comments from the following state agencies: Virginia Department of Wildlife Resources (VDWR), Virginia Department of Conservation and Recreation (VDCR), Virginia Marine Resources Commission (VMRC), and Virginia Department of Health (VDH). Failure to provide comments within 45 calendar days of the DEQ request for comments implies that the

agency has no comments on the project activities. Final comments were not received from VDWR within the 45 days; however, their draft comments were received on June 3, 2021, within the 45-day review period. VDWR subsequently provided final comments on July 7, 2021. VMRC did not reply with comments; however, it is issuing an MRC Individual Permit for the project. DCR and VDH replied with comments within the 45-day comment period. A summary of State Agency comments is presented below.

DEQ reviewed the comments from VDCR and VDWR listed below and summarized in the referenced attached tables. Based upon DEQ's review of the comments, some of the comments are addressed by VWP Permit Conditions, some comments are outside of the scope of VWP Program's statutory and regulatory authority, and compliance with some comments are necessary to protect any potential impacts to threatened or endangered species. The recommendations not addressed in the standard Permit conditions, and appropriate in terms of VWP Permit regulations, are included as a condition of the VWP Permit via Permit Condition E 1 – Wildlife Resources and attached to the Permit as Table 3 located in Appendix 1.

VDCR

DEQ received comments from the VDCR on June 6, 2021. VDCR supports adherence to time-of-year restrictions (TOYRs) for instream work as recommended by the Virginia Department of Wildlife Resources (VDWR) and United States Fish and Wildlife Service (USFWS). Specific recommendations made by VDCR are included with Table 3, located in Appendix I. The following general recommendations were also received:

- Due to the legal status of the Roanoke logperch, orangefin madtom, and candy darter, VDCR recommends continued coordination with VDWR and USFWS to ensure compliance with protected species legislation.
- For bat species such as the eastern small-footed bat, the Indiana bat, the little brown bat, the tricolored bat, and the big brown bat, VDCR recommends continued coordination with USFWS and VDWR to ensure compliance with the protected species legislation. Due to the legal status of the tri-colored bat and little brown bat, VDCR recommends coordination with the VDWR, Virginia's regulatory authority for the management and protection of these species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570). VDCR recommends avoiding impacts to roost habitats during the summer or winter months.
- To minimize adverse impacts to the aquatic ecosystem as a result of the proposed activities, VDCR recommends the implementation of and strict adherence to applicable state and local erosion and sediment control/storm water management laws and regulations. VDCR recommends adherence to erosion and sediment control measures as required by the US Forest Service, FERC, and DEQ under the DSEIS protective of the downstream, karst resources.
- VDCR recommends adherence to the Emergency Spill Plan (APPENDIX D-2 Spill Prevention, Control, and Countermeasure (SPCC) Plan and Unanticipated Discovery of Contamination Plan for Construction Activities in Virginia) updated in October 20, 2017.
- VDCR supports the monitoring of water quality in these streams, rivers and creeks supporting rare, threatened and endangered resources to identify and address sediment loads during the construction of the Mountain Valley Pipeline.

- The applicant/developer must contact the local floodplain administrator for an official floodplain determination and comply with the community's local floodplain ordinance, including receiving a local permit. Failure to comply with the local floodplain ordinance could result in enforcement action from the locality. For state projects, VDCR recommends that compliance documentation be provided prior to the project being funded.

VDWR

VDWR provided preliminary comments to DEQ by email dated June 3, 2021, and July 7, 2021. VDWR provided final comments in table format on August 6, 2021. Specific recommendations made by VDWR are included in Appendix I, Table 3. VDWR also provided the following general recommendations:

- Mussel Surveys (associated with Craig Creek and tributaries): We recommend that a mussel survey be performed from 100 meters upstream through 400 meters downstream of impact areas as noted in the attached spreadsheet. This survey should be performed by a qualified, permitted biologist, preferably no more than six months prior to the start of construction. If mussel relocations are necessary, they should be coordinated with Brian Watson, DWR Region II Aquatic Resources Biologist (434-525-7522), and no federally listed species should be relocated without first coordinating with the USFWS (804-693-6694). All survey and relocation activities should adhere to the attached guidance. In addition, we recommend a time of year restriction on all instream work (not including any mussel surveys) as depicted in the attached spreadsheet. Survey results should be made available to Amy Martin in DWR's Headquarters office in Henrico and Brian Watson in DWR's Forest Office. Upon review of the results, we will make final recommendations regarding the protection of listed species known from the area. All survey reports should reference the ESSLog# displayed in the subject line of this email. If the applicant prefers, they may provide us with good, representative photographs of the impact area(s) for our review. The photos should clearly depict the size of the stream, the substrate type, and the banks up and downstream of the site. Upon review of the photos, we may be able to rule out the need for a mussel survey based on the habitat available on site.

- Stockable Trout Waters: there are a couple crossings of waters designated as stockable trout waters. If instream work in such waters is proposed, we ask that the applicant coordinate with our regional managers to ensure avoidance of any stocking or angling activities. Those contacts are as follows: Jeff Williams, 276-783-4860 or Jeff.Williams@DWR.virginia.gov and Scott Smith, 434-525-7522 or Scott.Smith@DWR.virginia.gov. I indicate on the spreadsheet whom to contact.

- Bored/Drilled crossings: Assuming the sites have been assessed and are appropriate for this method of crossing, that there is a frac-out plan in place, and there is strict adherence to erosion and sediment controls during installation bore pits and associated activities, such crossings do not have to adhere to instream work TOYRs.

- Ephemeral/Intermittent streams: If work can be performed when there is no flow in the stream (dry conditions) and erosion and sediment controls are in place during work, TOYRs are not necessary. Placement of cofferdams and installation of pump arounds to create a dry work

area/trench in a stream with flow is not considered "dry conditions" and such activities should adhere to any TOYR recommended for the crossing.

- Recommend that instream work be designed and performed in a manner that minimizes impacts upon natural streamflow and movement of resident aquatic species. If a dam and pump-around must be used, we recommend it be used for as limited a time as possible and that water returned to the stream be free of sediment and excess turbidity. To minimize potential wildlife entanglements resulting from use of synthetic/plastic erosion and sediment control matting, we recommend use of matting made from natural/organic materials such as coir fiber, jute, and/or burlap.

- To minimize harm to the aquatic environment and its residents resulting from use of the Tremie method to install concrete, installation of grout bags, and traditional pouring of concrete, recommend that such activities occur only in the dry, allowing all concrete to harden and cure prior to contact with open water.

- Due to future maintenance costs associated with culverts, and the loss of riparian and aquatic habitat, DGIF prefer stream crossings to be constructed via clear-span bridges. However, if this is not possible, we recommend countersinking any culverts below the streambed at least 6 inches, or the use of bottomless culverts, to allow passage of aquatic organisms.

- Recommend the installation of floodplain culverts to carry bankfull discharges.

- Recommend adherence to the attached fish relocation BMPs at all stream crossings.

- Avoid and minimize impacts to undisturbed forest, wetlands, and streams to the fullest extent practicable; maintain naturally vegetated buffers of at least 100 feet in width around wetlands and on both sides of perennial and intermittent streams.

- Where practicable; conduct significant tree removal and ground clearing activities outside of the primary songbird nesting season of March 15 through August 15.

- Implement and maintain appropriate erosion and sediment controls throughout project construction and site restoration.

- To minimize potential wildlife entanglements resulting from use of synthetic/plastic erosion and sediment control matting, recommend use of matting made from natural/organic materials such as coir fiber, jute, and/or burlap.

VDH

VDH provided comments in a memorandum dated June 2, 2021 and transmitted by email on June 2, 2021. VDH identified wells within one a one-mile radius of the project, surface water intakes within a five-mile radius of the project, and watersheds where the project is located that include public water sources. VDH also recommended best management practices be employed including erosion and sediment controls, spill prevention controls and management of materials on site and during transport.

VMRC

VMRC did not reply to the request for comments; however, they have issued an Individual MRC Permit for the Project. The MRC permit is subject to ongoing modifications to change eight stream crossings from open cut to trenchless occurring up to and during the VWP application receipt and processing period.

Summary of Federal Agency Comments and Actions
The project is being reviewed by the USACE for an individual permit, which the USACE public noticed on March 29, 2021.

12. Riparian Landowner Notification:

Staff notified riparian landowners located adjacent to the impact area and within one-half mile downstream of each distinct impact area by letter dated April 13, 2021. Notifications of riparian and adjacent landowners were conducted in accordance with DEQ guidance. The applicant obtained the riparian landowner information from each counties' land records databases as provided by the respective counties, with the exception of Craig County, which does not maintain a land records website. The applicant obtained riparian landowner information for twelve total affected riparian landowners in Craig County through a third-party land records service, and verified the accuracy of those records with the Craig County Commissioner of Revenue's office on August 11, 2021.

The applicant identified 804 riparian parcels affected by the project, presented in *Attachment B-5* of the application. The applicant provided to DEQ unsealed envelopes addressed to each of the property owners identified by the respective county resources. The envelopes contained a notification letter and mapping depicting the affected parcel in relation to the project. For multiple affected parcels with the same owner, the applicant placed the notification letters and mapping into one envelope, resulting in six hundred twenty total envelopes. Prior to sending the notifications, DEQ staff performed a quality control check by randomly selecting 10% of the envelopes and checking them for accuracy against the counties' online land records. DEQ staff sealed the envelopes and mailed them from DEQ Central Office. Of the six hundred and twenty envelopes mailed, eight came back to DEQ marked return to sender, representing approximately 1% of the total envelopes mailed.

13. Public Comment [if applicable: and Public Hearing]:

The public notice was published in Newspaper Name on Date. The public comment period ran from Date to Date.

[If several public comments were received, staff can summarize public comments and staffs' responses to public comment in this section. If multiple public comments were received, staff can add an attachment to the fact sheet summarizing public comments and staffs' responses.]

[Choose one and make appropriate edits: No public comments were received during the public comment period. Therefore, no changes have been made to the permit conditions.]

Or

[# public comment letters were received. However, no substantial or disputed issues were presented that warranted revisions to the draft conditions of the permit.]

Or

[# responses were received from the public: two opposed the permit and five requested protection of wetlands. Due to the public response, a public hearing was held on Date.]
Summarize hearing events and comments. [Ex.: A summary of citizen comments and staffs' responses are included as Attachment A to this fact sheet. In response to citizen comments, and comments received from DCR on Date(s), staff made the following changes to the draft permit. List changes.]

14. Special Conditions:

The following conditions were developed to protect instream beneficial uses, to ensure compliance with applicable water quality standards, to prevent significant impairment of state waters or fish and wildlife resources, to provide for no net loss of wetland acreage, and to provide no net loss of functions in all surface waters through compensatory mitigation and monitoring and reporting.

Section A Authorized Activities

Nos. 1-4 addresses the activities authorized by this permit, including impact types and limits. No. 1 references Table 1 Stream Impacts and Table 2 Wetland Impacts, located in Appendix 1 of the permit.

Section B Permit Term

Nos. 1-2 addresses the permit term and re-issuance process to ensure that all permit conditions are completed. The draft permit term is set at 10 years.

Section C Standard Project Conditions

No. 1 addresses the requirement for the minimization of adverse impacts to instream beneficial uses.
No. 2 ensures that the project will be executed in a manner that limits the disruption of the movement of aquatic life.
No. 3 ensures that downstream flows will be maintained to protect both instream and off-stream beneficial uses.
No. 4 ensures the minimization of adverse effects on navigation.
No. 5 ensures the passage of high flows.
No. 6 requires maintenance of continuous flow of perennial springs for the protection of instream beneficial use except for temporary impacts authorized by this permit.
No. 7 ensures that dredging and filling operations will minimizes stream bottom disturbances and turbidity.

No. 8 requires instream activities to be conducted during low-flow conditions to protect instream beneficial uses.
No. 9 requires erosion and sedimentation controls to be designed in accordance with the Virginia Erosion and Sediment Control Handbook, Third Edition, 1992.
Nos. 10 through 12 provide requirements and limitations on the entry of various materials (including concrete, fill, construction and waste material, fuels, lubricants, and untreated stormwater runoff) into state waters.
Nos. 13 through 14 limits the use of machinery and equipment in surface waters to protect beneficial uses.
No. 15 prohibits the violation of Water Quality Standards in surface waters as a result of project activities.
No. 16 requires the identification of all non-impacted surface waters in the vicinity of the proposed activity to prevent unpermitted impacts.
Nos. 17 through 20 set forth all reporting requirements concerning construction, monitoring, compensation, and restoration as required by current law and regulations.

Section D Installation of Utilities and Temporary Impacts

No. 1 sets forth permit conditions as required by the regulatory requirements for natural gas pipelines.
No. 2 requires the minimization of disturbance to surface waters and restoration to preconstruction conditions following utility line installation.
No. 3 sets a 90-day time limit for temporary sidecasting during trench excavation to minimize impacts to surface waters.
No. 4 provides the requirements for trench construction to avoid the drainage of surface waters.
No. 5 through 9 require temporary disturbances to surface waters during construction to be avoided and minimized to the maximum extent practicable and the restoration of such temporary disturbances.
No. 10 Requires submission of a temporary streamstream and wetland impact restoration pplan to DEQ for review and approval prior to initiation of construction activities in in wetlands or stream channels, and specifies the required elements of the plan.

Section E Wildlife Resources

No. 1 requires that the permittee adhere to time-of-year restrictions recommended by the Department of Wildlife Resources for the protection of fish and wildlife resources, and the recommendations of the Department of Conservation and Recreation, as presented in Table 3, Appendix 1. This condition sets the approval process for revisions to TOYRs and requires the creation of a public webpage to host the latest revisions to Table 3.

Section F Stream Modifications, Including Intake/Outfall Structures

No. 1 prohibits the use of stream substrate for erosion control to avoid additional impacts to state waters.
No. 2 requires upland disposal of material removed from stream substrate to avoid unpermitted impacts to surface waters.
No. 3 ensures riprap placement conforms to current law and regulation.

Nos. 4 and 5 direct the placement and contents of materials for the construction of submerged structures, and on-bank storage and staging of materials, to protect water quality and fish and wildlife resources.

Section Letter Road Crossings

No. 1 provides specifications for access road construction to minimize adverse effects to surface waters.
No. 2 ensures pipes and culvert construction is conducted in the dry to protect water quality and wildlife habitat.
No. 3 requires that temporary impacts be restored immediately following construction to minimize impacts to water quality and fish and wildlife resources.
No. 4 requires measurement of stream bottom elevations at permanent road crossings S-H42 (VWP No. S-314) and S-IJ16a (VWP No. S-60) to ensure for the re-establishment of a natural stream bottom and low flow channel to maintain instream beneficial uses. The intent of this condition is to maintain a hydrologic connection and enable the stream bottom to reestablish in the culvert.
No. 5 summarizes requirements for pipe and culvert placement and countersinking to provide for the re-establishment of a natural stream bottom and low flow channel to maintain instream beneficial uses.
No. 6 dictates when and how stream bottom elevations at road crossings shall be measured.

Section H Stormwater Management Facilities

No. 1 defines the general requirements for stormwater management facility construction to minimize adverse effects to aquatic resources and provide for long-term aquatic resources protection and enhancement.
No. 2 provides limits and guidance for maintenance excavation to avoid unpermitted impacts to surface waters.
No. 3 requires correct draining methods to minimize sedimentation of surface waters.

Section I Project Construction Monitoring and Submittals (Impact Site)

Nos. 1 through 6 address monitoring and submittals required for pre-construction, during construction and post-construction for the impact areas on site.

Section J Compensatory Mitigation

No. 1 references the documentation included in the application that establishes the applicant's purchase of 7.1 wetland credits from Bannister Bend Farm, LLC Wetland Mitigation Bank in Pittsylvania County, Virginia, 298 stream credits from Graham and David Mitigation Bank, LLC in Montgomery County, Virginia, and documentation of a reserved purchase of 0.014 wetland credits from Thompson Place Stream and Wetland Mitigation Bank in Blacksburg, VA.
No. 2 provides the requirement to fulfill any additional mitigation requirements of this permit in accordance with 9VAC25-210 et seq. and § 62.1-44.15:23 of the Code of Virginia.

Section K Other Regulatory Actions

No. 1 incorporates by reference the conditions set forth in Section IV(b)(2) and Section IV(c) of the Consent Decree between Mountain Valley Pipeline, LLC and DEQ, dated December 11, 2019.
No. 2 incorporates by reference all conditions of the latest DEQ approved revision of the Annual Standards and Specifications pertaining to work within and around wetlands and streams.
No. 3 incorporates by reference all requirements of the latest revisions of the DEQ approved Erosion and Sediment Control General Details, Erosion and Sediment Control Narrative, and Erosion and Sediment Control Plan drawings that pertain to work within and around wetlands and stream crossings.

15. General Conditions:

The general conditions specified in the effective VWP Permit Program Regulation 9VAC25-210 apply to all VWP individual permits.

16. General Criteria (9VAC25-260-20.A):

State waters, including wetlands, shall be free from substances attributable to sewage, industrial waste, or other waste in concentrations, amounts, or combinations that contravene established standards or interfere directly or indirectly with designated uses of such water or which are inimical or harmful to human, animal, plant, or aquatic life.

Specific substances to be controlled include, but are not limited to, floating debris, oil, scum, and other floating materials; toxic substances (including those which bioaccumulate); substances that produce color, tastes, turbidity, odors, or settle to form sludge deposits; and substances which nourish undesirable or nuisance aquatic plant life. Effluents which tend to raise the temperature of the receiving water will also be controlled. Conditions within mixing zones established according to 9VAC25-260-20.B do not violate the provisions of this subsection.

17. Staff Findings and Recommendations:

- The proposed activity is consistent with the provisions of the Clean Water Act and State Water Control Law, and will protect instream beneficial uses.
- The proposed permit addresses avoidance and minimization of wetland impacts to the maximum extent practicable.
- The effect of the impact, together with other existing or proposed impacts to streams and wetlands, will not cause or contribute to significant impairment of state waters or fish and wildlife resources.
- Discharges from the proposed activity will comply with applicable water quality requirements.
- The proposed permit conditions address no net loss of wetland acreage and no net loss of functions in all surface waters through compensatory mitigation, and adequately assess compensation implementation via success monitoring and reporting.
  The draft permit reflects the required consultation with and full consideration of the written recommendations of VMRC, VDH, VDCR, and VDWR. The staff invited, but did not receive, comments from VMRC, which is reviewing the project through its own permitting process.

[If applicable: 16. Action by the State Water Control Board

The Board [approved or denied] VWP Individual Permit No. ##-####.]

APPENDIX 3

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Giles	UNT to Kimballton Branch	New River Basin	New River Subbasin	1d	IV	u	05050002	37.375311	-80.680878	LINDSIDE	NE75	RL_09_043147	Stony Creek Tributaries		Intermittent
Giles	Kimballton Branch	New River Basin	New River Subbasin	1d	IV	u	05050002	37.374377	-80.682038	PEARISBURG	NE75	RL_09_043001	Kimballton Branch		Perennial
Giles	UNT to Stony Creek	New River Basin	New River Subbasin	1d	IV	u	05050002	37.362202	-80.688092	PEARISBURG	NE75	RL_09_043129	Stony Creek Tributaries		Intermittent
Giles	Stony Creek	New River Basin	New River Subbasin	1d	V		05050002	37.360325	-80.684214	PEARISBURG	NE75	RL_09_043041	Stony Creek Lower 1	Yes	Perennial
Giles	Stony Creek	New River Basin	New River Subbasin	1d	V		05050002	37.360276	-80.684193	PEARISBURG	NE75	RL_09_043041	Stony Creek Lower 1	Yes	Perennial
Giles	Stony Creek	New River Basin	New River Subbasin	1d	V		05050002	37.360071	-80.68396	PEARISBURG	NE75	RL_09_043041	Stony Creek Lower 1	Yes	Perennial
Giles	UNT to Dry Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.35043	-80.658259	PEARISBURG	NE74	RL_09_043032	New River/Little Stony Creek		Intermittent
Giles	UNT to Dry Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.350373	-80.65823	PEARISBURG	NE74	RL_09_043032	New River/Little Stony Creek		Intermittent
Giles	Dry Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.349095	-80.65204	PEARISBURG	NE74	RL_09_042960	New River/Little Stony Creek		Intermittent
Giles	UNT to Dry Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.348641	-80.647225	PEARISBURG	NE74	RL_09_042960	New River/Little Stony Creek		Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344876	-80.633426	PEARISBURG	NE74	RL_09_042990	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344859	-80.631295	PEARISBURG	NE74	RL_09_042990	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344779	-80.633379	PEARISBURG	NE74	RL_09_042990	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344278	-80.626185	PEARISBURG	NE74	RL_09_043176	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344277	-80.626113	PEARISBURG	NE74	RL_09_043176	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.344163	-80.6284	PEARISBURG	NE74	RL_09_043176	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.342351	-80.620823	EGGLESTON	NE74	RL_09_043164	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.342236	-80.620542	EGGLESTON	NE74	RL_09_043164	Little Stony Creek Tributaries	Yes	Intermittent
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.342214	-80.620312	EGGLESTON	NE74	RL_09_063957	Little Stony Creek Middle	Yes	Perennial
Giles	Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.342172	-80.62009	EGGLESTON	NE74	RL_09_063957	Little Stony Creek Middle	Yes	Perennial
Giles	UNT to Little Stony Creek	New River Basin	New River Subbasin	1d	VI		05050002	37.340977	-80.618031	EGGLESTON	NE74	RL_09_063957	Little Stony Creek Middle	Yes	Perennial
Giles	Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.338952	-80.614618	EGGLESTON	NE74	RL_09_063924	New River/Little Stony Creek		Intermittent
Giles	UNT to Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.337763	-80.606008	EGGLESTON	NE74	RL_09_063958	New River/Little Stony Creek		Intermittent
Giles	UNT to Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.337639	-80.605571	EGGLESTON	NE74	RL_09_063958	New River/Little Stony Creek		Intermittent
Giles	UNT to Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.335094	-80.596868	EGGLESTON	NE74	RL_09_063960	New River/Little Stony Creek		Intermittent
Craig	Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.333152	-80.429438	NEWPORT	NE64	RL_09_064516	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.332869	-80.559168	EGGLESTON	NE65	RL_09_063965	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.332191	-80.559979	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.332146	-80.560079	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.331748	-80.583355	EGGLESTON	NE74	RL_09_063934	New River/Little Stony Creek		Intermittent
Giles	Doe Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.331332	-80.583047	EGGLESTON	NE74	RL_09_063940	Doe Creek		Intermittent
Craig	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.328329	-80.42281	NEWPORT	NE64	RL_09_064455	Sinking Creek Tributaries		Intermittent
Craig	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.326705	-80.425803	NEWPORT	NE64	RL_09_064455	Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.326015	-80.556831	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.325728	-80.565082	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.325638	-80.56468	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.325607	-80.564373	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.325566	-80.564634	EGGLESTON	NE65	RL_09_063936	New River & Sinking Creek Tributaries		Intermittent
Craig	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.324781	-80.431446	NEWPORT	NE64	RL_09_064455	Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.323702	-80.555627	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.323533	-80.555257	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.322737	-80.552396	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.322194	-80.553058	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.321823	-80.55311	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.321756	-80.553011	EGGLESTON	NE65	RL_09_063937	New River & Sinking Creek Tributaries		Intermittent
Montgomery	UNT to Craig Creek	James River Basin	Upper James River Subbasin	12	IV		02080201	37.32109	-80.412831	NEWPORT	JU41	RL_2A_064368	Craig Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.318956	-80.440648	NEWPORT	NE64	RL_09_064526	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.31893	-80.44093	NEWPORT	NE64	RL_09_064526	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.318647	-80.441619	NEWPORT	NE64	RL_09_064526	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.318324	-80.54772	EGGLESTON	NE65	RL_09_063972	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.318246	-80.547711	EGGLESTON	NE65	RL_09_064023	Sinking Creek Tributaries		Intermittent
Montgomery	UNT to Craig Creek	James River Basin	Upper James River Subbasin	12	IV		02080201	37.317187	-80.409235	NEWPORT	JU41	RL_2A_064348	Craig Creek Tributaries		Intermittent
Montgomery	UNT to Craig Creek	James River Basin	Upper James River Subbasin	12	IV		02080201	37.316523	-80.408646	NEWPORT	JU41	RL_2A_064348	Craig Creek Tributaries		Intermittent
Montgomery	Craig Creek	James River Basin	Upper James River Subbasin	12	V		02080201	37.314504	-80.402613	NEWPORT	JU41	RL_2A_064327	Craig Creek	Yes	Perennial
Montgomery	UNT to Craig Creek	James River Basin	Upper James River Subbasin	12	IV		02080201	37.31391	-80.398683	NEWPORT	JU41	RL_2A_064358	Craig Creek Tributaries		Intermittent
Montgomery	UNT to Craig Creek	James River Basin	Upper James River Subbasin	12	IV		02080201	37.313615	-80.402521	NEWPORT	JU41	RL_2A_064365	Craig Creek Tributaries		Intermittent
Montgomery	Craig Creek	James River Basin	Upper James River Subbasin	12	V		02080201	37.313511	-80.404606	NEWPORT	JU41	RL_2A_064308	Craig Creek	Yes	Perennial
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.311735	-80.532304	EGGLESTON	NE65	RL_09_063927	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.31173	-80.544091	EGGLESTON	NE65	RL_09_063970	New River & Sinking Creek Tributaries		Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.31173	-80.544091	EGGLESTON	NE65	RL_09_063970	New River & Sinking Creek Tributaries		Intermittent
Giles	Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.311616	-80.515786	EGGLESTON	NE65	RL_09_064074	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.307524	-80.466665	NEWPORT	NE64	RL_09_064495	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	V		05050002	37.305508	-80.467231	NEWPORT	NE64	RL_09_064495	Sinking Creek Middle	Yes	Artificial Path
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.300454	-80.472911	NEWPORT	NE64	RL_09_064475	Sinking Creek Tributaries		Intermittent
Montgomery	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.299397	-80.391243	NEWPORT	RU06	RL_4A_064396	Unnamed tributary	Yes	Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.298226	-80.480624	NEWPORT	NE64	RL_09_064472	Sinking Creek Tributaries		Intermittent
Montgomery	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.297166	-80.386612	NEWPORT	RU06	RL_4A_064385	Mill Creek	Yes	Intermittent
Giles	Greenbriar Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.296666	-80.494174	NEWPORT	NE64	RL_09_063963	New River & Sinking Creek Tributaries		Perennial
Giles	UNT to Greenbriar Branch	New River Basin	New River Subbasin	1	IV	u	05050002	37.296612	-80.494165	NEWPORT	NE64	RL_09_063963	New River & Sinking Creek Tributaries		Perennial
Montgomery	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.296356	-80.375118	NEWPORT	RU06	RL_4A_064392	Mill Creek	Yes	Intermittent
Giles	UNT to Sinking Creek	New River Basin	New River Subbasin	1	IV	u	05050002	37.296226	-80.481455	NEWPORT	NE64	RL_09_064472	Sinking Creek Tributaries		Intermittent
Montgomery	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.296153	-80.36751	MCDONALDS MILL	RU06	RL_4A_064391	Mill Creek	Yes	Intermittent
Montgomery	Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.295743	-80.375921	NEWPORT	RU06	RL_4A_064385	Mill Creek	Yes	Intermittent
Montgomery	North Fork Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.268586	-80.313161	MCDONALDS MILL	RU06	RL_4A_052011	Roanoke River, North Fork Upper Middle		Perennial
Montgomery	UNT to North Fork RoanokeRiver	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.264817	-80.308486	MCDONALDS MILL	RU06	RL_4A_052073	N.F. Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258717	-80.29321	MCDONALDS MILL	RU07	RL_4A_052203	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258673	-80.296446	MCDONALDS MILL	RU07	RL_4A_052203	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258403	-80.288186	MCDONALDS MILL	RU07	RL_4A_052249	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258198	-80.286029	MCDONALDS MILL	RU07	RL_4A_052252	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258176	-80.289222	MCDONALDS MILL	RU07	RL_4A_052249	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.257998	-80.284735	MCDONALDS MILL	RU07	RL_4A_052252	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.25726	-80.281611	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.257133	-80.281475	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Montgomery	UNT to Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.256959	-80.280329	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent
Montgomery	Flatwoods Branch	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.256387	-80.278021	MCDONALDS MILL	RU07	RL_4A_052167	Roanoke River, North Fork/Bradshaw Creek		Intermittent
Montgomery	UNT to Bradshaw Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.254342	-80.267895	MCDONALDS MILL	RU08	RL_4A_052151	Roanoke River, North Fork/Bradshaw Creek		Intermittent
Montgomery	UNT to Bradshaw Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.254135	-80.266743	MCDONALDS MILL	RU08	RL_4A_052245	Bradshaw Creek Tribs.		Intermittent
Montgomery	Bradshaw Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.251791	-80.25899	MCDONALDS MILL	RU08	RL_4A_052168	Bradshaw Creek		Perennial
Montgomery	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	IV	PWS pH-6.5-9.5,	03010101	37.244319	-80.206995	ELLISTON	RU09	RL_4A_052635	Roanoke River Tributaries sec. 7b		Intermittent
Montgomery	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	V	PWS pH-6.5-9.5,	03010101	37.231693	-80.198778	ELLISTON	RU09	RL_4A_052939	Roanoke River	Yes	Artificial Path
Montgomery	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	V	PWS pH-6.5-9.5,	03010101	37.231179	-80.19846	ELLISTON	RU09	RL_4A_052939	Roanoke River	Yes	Artificial Path
Montgomery	UNT to South Fork Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	V	PWS pH-6.5-9.5,	03010101	37.229764	-80.201144	ELLISTON	RU09	RL_4A_052939	Roanoke River	Yes	Artificial Path
Montgomery	UNT to Indian Run	Roanoke River Basin	Roanoke River Subbasin	7b	IV	PWS pH-6.5-9.5,	03010101	37.216102	-80.19739	ELLISTON	RU05	RL_4A_052716	Roanoke River, South Fork UT PWS Sec. 7b Tributaries		Intermittent
Montgomery	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	IV	PWS pH-6.5-9.5,	03010101	37.210922	-80.193318	ELLISTON	RU09	RL_4A_052836	Roanoke River Tribs.		Intermittent
Montgomery	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7b	IV	PWS pH-6.5-9.5,	03010101	37.205284	-80.187282	ELLISTON	RU09	RL_4A_052836	Roanoke River Tribs.		Intermittent
Roanoke	UNT to Roanoke River	Roanoke River Basin	Roanoke River Subbasin	7a	IV	PWS pH-6.5-9.5,	03010101	37.194064	-80.167933	ELLISTON	RU09	RL_4A_052693	Roanoke River Tributaries w/ PWS sec. 7a		Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.187687	-80.151146	ELLISTON	RU02	RL_4A_052620	Bottom Creek Upper	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.187568	-80.151049	ELLISTON	RU02	RL_4A_052620	Bottom Creek Upper	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.181736	-80.148948	ELLISTON	RU02	RL_4A_052760	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.181506	-80.149497	ELLISTON	RU02	RL_4A_052760	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.181385	-80.14914	ELLISTON	RU02	RL_4A_052760	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.179186	-80.141	ELLISTON	RU02	RL_4A_052434	Bottom Creek Upper	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.170458	-80.138216	ELLISTON	RU02	RL_4A_052443	Bottom Creek	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.169474	-80.130356	ELLISTON	RU02	RL_4A_052536	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.169211	-80.138258	ELLISTON	RU02	RL_4A_052443	Bottom Creek	Yes	Perennial
Roanoke	Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.168395	-80.138295	ELLISTON	RU02	RL_4A_052314	Bottom Creek Upper	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.168361	-80.138381	ELLISTON	RU02	RL_4A_052314	Bottom Creek Upper	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.165862	-80.139317	ELLISTON	RU02	RL_4A_052406	Bottom Creek Upper	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.165685	-80.139378	ELLISTON	RU02	RL_4A_052406	Bottom Creek Upper	Yes	Perennial
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.160173	-80.134799	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.154424	-80.129179	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.150009	-80.13246	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.148333	-80.133919	ELLISTON	RU02	RL_4A_052419	Bottom Creek Tributaries	Yes	Perennial
Roanoke	UNT to Bottom Creek	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.143003	-80.138399	ELLISTON	RU02	RL_4A_052496	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.138636	-80.139715	ELLISTON	RU02	RL_4A_052410	Bottom Creek Tributaries	Yes	Perennial
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.134576	-80.137649	ELLISTON	RU02	RL_4A_052465	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.134481	-80.137622	ELLISTON	RU02	RL_4A_052465	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.134176	-80.137484	ELLISTON	RU02	RL_4A_052465	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128922	-80.133769	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128853	-80.13391	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.12849	-80.132601	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128484	-80.130943	ELLISTON	RU02	RL_4A_052330	Bottom Creek Tributaries		Intermittent
Franklin	UNT to Green Creek	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.126412	-80.121398	BENT MOUNTAIN	RU21	RL_4A_052537	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	UNT to Green Creek	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.125398	-80.121401	BENT MOUNTAIN	RU21	RL_4A_052537	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	UNT to Green Creek	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.125055	-80.113578	CALLAWAY	RU21	RL_4A_052550	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.124137	-80.086182	CALLAWAY	RU20	RL_4A_059927	Upper Blackwater River		Intermittent
Franklin	North Fork Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.123098	-80.074673	CALLAWAY	RU20	RL_4A_059887	Blackwater River, North Fork Upper		Perennial
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.121558	-80.085642	CALLAWAY	RU20	RL_4A_059993	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.121513	-80.08568	CALLAWAY	RU20	RL_4A_059993	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.121473	-80.088457	CALLAWAY	RU20	RL_4A_059993	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.106177	-80.050105	CALLAWAY	RU20	RL_4A_060038	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.105883	-80.048861	CALLAWAY	RU20	RL_4A_060038	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.104707	-80.04622	CALLAWAY	RU20	RL_4A_059936	Upper Blackwater River		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.104329	-80.045343	CALLAWAY	RU20	RL_4A_059936	Upper Blackwater River		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.10329	-80.041868	CALLAWAY	RU20	RL_4A_059908	Upper Blackwater River		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.102491	-80.041046	CALLAWAY	RU20	RL_4A_059908	Upper Blackwater River		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.101127	-80.039653	CALLAWAY	RU20	RL_4A_059969	N.F. Blackwater River Tribs.		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.093062	-80.027724	CALLAWAY	RU20	RL_4A_059931	Upper Blackwater River		Intermittent
Franklin	UNT to North Fork BlackwaterRiver	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.092891	-80.027593	CALLAWAY	RU20	RL_4A_059931	Upper Blackwater River		Intermittent
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.089812	-79.956077	BOONES MILL	RU22	RL_4A_060548	Blackwater River Tribs.		Intermittent
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.089745	-79.956042	BOONES MILL	RU22	RL_4A_060548	Blackwater River Tribs.		Intermittent
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.089178	-79.95011	BOONES MILL	RU22	RL_4A_060398	Upper Blackwater River		Intermittent
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.089047	-79.9613	BOONES MILL	RU22	RL_4A_060349	Teels Creek		Perennial
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.085247	-79.948057	BOONES MILL	RU22	RL_4A_059444	Teels Creek		Perennial
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.082875	-79.945556	BOONES MILL	RU22	RL_4A_059497	Teels Creek		Perennial
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.078963	-79.941911	BOONES MILL	RU22	RL_4A_059524	Upper Blackwater River		Intermittent
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.073367	-79.939865	BOONES MILL	RU22	RL_4A_059543	Teels Creek		Perennial
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.070703	-79.937069	BOONES MILL	RU22	RL_4A_059487	Teels Creek		Perennial
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.070322	-79.931039	BOONES MILL	RU22	RL_4A_059487	Teels Creek		Perennial
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.070101	-79.929732	BOONES MILL	RU22	RL_4A_059662	Blackwater River Tribs.		Intermittent
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.06956	-79.926213	BOONES MILL	RU22	RL_4A_059449	Teels Creek		Perennial
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.069542	-79.933892	BOONES MILL	RU22	RL_4A_059487	Teels Creek		Perennial
Franklin	UNT to Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.069485	-79.92623	BOONES MILL	RU22	RL_4A_059449	Teels Creek		Perennial
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.064748	-79.87442	REDWOOD	RU22	RL_4A_059633	Blackwater River Tribs.		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.064723	-79.87819	BOONES MILL	RU22	RL_4A_059525	Upper Blackwater River		Intermittent
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.063956	-79.921985	BOONES MILL	RU22	RL_4A_059449	Teels Creek		Perennial
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.063464	-79.878281	BOONES MILL	RU22	RL_4A_059525	Upper Blackwater River		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.062262	-79.862639	REDWOOD	RU22	RL_4A_059526	Upper Blackwater River		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.061193	-79.880018	BOONES MILL	RU22	RL_4A_059439	Upper Blackwater River		Intermittent
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.059535	-79.840624	REDWOOD	RU23	RL_4A_061408	Maggodee Creek Tributaries		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.059098	-79.853595	REDWOOD	RU22	RL_4A_059729	Blackwater River Lower 2		Artificial Path
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.05906	-79.853379	REDWOOD	RU22	RL_4A_059729	Blackwater River Lower 2		Artificial Path
Franklin	Teels Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.05839	-79.918015	BOONES MILL	RU22	RL_4A_059480	Teels Creek		Perennial
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.058165	-79.844877	REDWOOD	RU23	RL_4A_061408	Maggodee Creek Tributaries		Intermittent
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.057776	-79.838583	REDWOOD	RU23	RL_4A_061408	Maggodee Creek Tributaries		Intermittent
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.057724	-79.836406	REDWOOD	RU23	RL_4A_061408	Maggodee Creek Tributaries		Intermittent

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Franklin	Little Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.057584	-79.913921	BOONES MILL	RU22	RL_4A_059542	Little Creek Middle		Perennial
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.056594	-79.835785	REDWOOD	RU23	RL_4A_061590	Maggodee Creek Lower		Artificial Path
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.056084	-79.850384	REDWOOD	RU22	RL_4A_059587	Blackwater River Tribs.		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.055912	-79.883177	BOONES MILL	RU22	RL_4A_059763	Blackwater River Lower 3		Artificial Path
Franklin	UNT to Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.055193	-79.833881	REDWOOD	RU23	RL_4A_061590	Maggodee Creek Lower		Artificial Path
Franklin	Maggodee Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.055147	-79.830098	REDWOOD	RU23	RL_4A_061590	Maggodee Creek Lower		Artificial Path
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.053336	-79.884604	BOONES MILL	RU22	RL_4A_059604	Blackwater River Tribs.		Intermittent
Franklin	Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.052843	-79.825711	REDWOOD	RU24	RL_4A_061577	Blackwater River Upper		Artificial Path
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.052125	-79.886182	BOONES MILL	RU22	RL_4A_059565	Blackwater River Tribs.		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.049238	-79.817223	REDWOOD	RU24	RL_4A_061522	Blackwater River Tribs.		Intermittent
Franklin	Little Creek	Roanoke River Basin	Roanoke River Subbasin	6f	IV	PWS, NEW-1	03010101	37.049219	-79.908513	BOONES MILL	RU22	RL_4A_059788	Little Creek Lower		Artificial Path
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.048037	-79.813934	REDWOOD	RU24	RL_4A_061522	Blackwater River Tribs.		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6f	IV	PWS, NEW-1	03010101	37.047765	-79.897636	BOONES MILL	RU22	RL_4A_059592	Blackwater River Tribs.		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.047172	-79.813	REDWOOD	RU24	RL_4A_061522	Blackwater River Tribs.		Intermittent
Franklin	UNT to Maple Branch	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.043871	-79.822898	REDWOOD	RU24	RL_4A_061454	Maple Branch		Intermittent
Franklin	Maple Branch	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.043854	-79.822974	REDWOOD	RU24	RL_4A_061454	Maple Branch		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.042742	-79.809015	REDWOOD	RU24	RL_4A_061353	Blackwater River Lower Tributaries		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.037916	-79.804237	REDWOOD	RU24	RL_4A_061569	Blackwater River Lower Tributaries		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.036271	-79.799442	REDWOOD	RU24	RL_4A_061571	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.036173	-79.79924	REDWOOD	RU24	RL_4A_061571	Blackwater River Tribs.		Intermittent
Franklin	Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031714	-79.788213	REDWOOD	RU24	RL_4A_061419	Foul Ground Creek Lower		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031063	-79.778588	REDWOOD	RU24	RL_4A_061547	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031011	-79.778435	REDWOOD	RU24	RL_4A_061547	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.030974	-79.77819	REDWOOD	RU24	RL_4A_061547	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.030972	-79.778083	REDWOOD	RU24	RL_4A_061547	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.030861	-79.778069	REDWOOD	RU24	RL_4A_061547	Blackwater River Tribs.		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.028893	-79.774785	REDWOOD	RU24	RL_4A_061367	Blackwater River Lower Tributaries		Intermittent
Franklin	UNT to Foul Ground Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.028392	-79.773359	REDWOOD	RU24	RL_4A_061367	Blackwater River Lower Tributaries		Intermittent
Franklin	UNT to Poplar Camp Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.019612	-79.761958	REDWOOD	RU24	RL_4A_061498	Blackwater River Tribs./SML		Intermittent
Franklin	UNT to Poplar Camp Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.019526	-79.762002	REDWOOD	RU24	RL_4A_061498	Blackwater River Tribs./SML		Intermittent
Franklin	UNT to Poplar Camp Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.019359	-79.761643	REDWOOD	RU24	RL_4A_061498	Blackwater River Tribs./SML		Intermittent
Franklin	Poplar Camp Creek	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.017364	-79.76	REDWOOD	RU24	RL_4A_061387	Poplar Camp Creek		Perennial
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.009236	-79.754238	REDWOOD	RU24	RL_4A_061333	Blackwater River Lower/Smith Mountain Lake		Intermittent
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.001271	-79.747749	MONETA SW	RU24	RL_4A_061443	Blackwater River Lower/Smith Mountain Lake		Perennial
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.000529	-79.74276	MONETA SW	RU24	RL_4A_061436	Blackwater River Lower/Smith Mountain Lake		Perennial
Franklin	UNT to Blackwater River	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	36.995814	-79.735144	PENHOOK	RU24	RL_4A_061139	Standiford Creek		Perennial
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.98943	-79.722366	PENHOOK	RU32	RL_4A_061215	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988273	-79.708199	PENHOOK	RU32	RL_4A_061814	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988031	-79.71745	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988009	-79.711881	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988008	-79.714922	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987961	-79.702711	PENHOOK	RU32	RL_4A_061868	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987818	-79.700634	PENHOOK	RU32	RL_4A_061740	Pigg River Middle		Perennial
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987719	-79.698901	PENHOOK	RU32	RL_4A_061740	Pigg River Middle		Perennial
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987715	-79.698555	PENHOOK	RU32	RL_4A_061740	Pigg River Middle		Perennial
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.985174	-79.692272	PENHOOK	RU32	RL_4A_061844	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.985124	-79.692272	PENHOOK	RU32	RL_4A_061844	Pigg River Tribs.		Intermittent
Franklin	UNT to Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.984846	-79.69187	PENHOOK	RU32	RL_4A_061844	Pigg River Tribs.		Intermittent
Franklin	UNT to Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.982507	-79.687818	PENHOOK	RU32	RL_4A_061863	Pigg River Tribs.		Intermittent
Franklin	UNT to Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.98224	-79.6875	PENHOOK	RU32	RL_4A_061863	Pigg River Tribs.		Intermittent
Franklin	UNT to Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.981971	-79.686901	PENHOOK	RU32	RL_4A_061863	Pigg River Tribs.		Intermittent
Franklin	UNT to Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.979223	-79.684192	PENHOOK	RU32	RL_4A_061723	Pigg River Middle		Intermittent
Franklin	Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.978529	-79.682186	PENHOOK	RU32	RL_4A_061723	Pigg River Middle		Intermittent
Franklin	UNT to Little Jacks Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.978025	-79.680682	PENHOOK	RU32	RL_4A_061723	Pigg River Middle		Intermittent
Franklin	UNT to Turkey Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.976421	-79.677525	PENHOOK	RU32	RL_4A_061852	Pigg River Tribs.		Intermittent
Franklin	UNT to Turkey Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.974647	-79.674453	PENHOOK	RU32	RL_4A_061837	Pigg River Tribs.		Intermittent
Franklin	Turkey Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.973282	-79.673075	PENHOOK	RU32	RL_4A_061771	Pigg River Middle		Perennial
Franklin	UNT to Turkey Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.973237	-79.669898	PENHOOK	RU32	RL_4A_061812	Pigg River Tribs.		Intermittent
Franklin	Dinner Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.972125	-79.662987	PENHOOK	RU32	RL_4A_061768	Pigg River Middle		Intermittent
Franklin	UNT to Dinner Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.972032	-79.662504	PENHOOK	RU32	RL_4A_061768	Pigg River Middle		Intermittent
Franklin	Polecat Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.970904	-79.65737	PENHOOK	RU32	RL_4A_061750	Pigg River Middle		Intermittent
Franklin	UNT to Owens Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.970522	-79.653726	PENHOOK	RU32	RL_4A_062024	Pigg River Middle		Intermittent
Franklin	UNT to Owens Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.970133	-79.651328	PENHOOK	RU32	RL_4A_062024	Pigg River Middle		Intermittent
Franklin	Owens Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.969118	-79.645042	PENHOOK	RU32	RL_4A_062020	Pigg River Middle		Perennial
Franklin	Strawfield Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.96864	-79.642174	PENHOOK	RU32	RL_4A_061968	Pigg River Middle		Perennial
Franklin	UNT to Parrot Branch	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.967711	-79.63659	PENHOOK	RU32	RL_4A_061969	Pigg River Middle		Perennial
Franklin	Parrot Branch	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.967025	-79.630747	PENHOOK	RU32	RL_4A_061969	Pigg River Middle		Perennial
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.965631	-79.605542	SANDY LEVEL	RU36	RL_4A_062027	Pigg River Lower		Perennial
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.9656	-79.604894	SANDY LEVEL	RU36	RL_4A_062027	Pigg River Lower		Perennial
Pittsylvania	Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.965405	-79.59913	SANDY LEVEL	RU36	RL_4A_062001	Pigg River Lower		Perennial
Franklin	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.964763	-79.617043	SANDY LEVEL	RU36	RL_4A_062120	Unnamed tributary		Intermittent
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.96443	-79.595691	SANDY LEVEL	RU36	RL_4A_062157	Pigg River Lower		Artificial Path
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.964407	-79.595841	SANDY LEVEL	RU36	RL_4A_062157	Pigg River Lower		Artificial Path
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.96242	-79.5905	SANDY LEVEL	RU36	RL_4A_062130	Unnamed tributary		Intermittent
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.959361	-79.586437	SANDY LEVEL	RU36	RL_4A_087413	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.957805	-79.583545	SANDY LEVEL	RU36	RL_4A_087413	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Jonnikin Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.95758	-79.583492	SANDY LEVEL	RU36	RL_4A_087413	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Rocky Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.952275	-79.58046	SANDY LEVEL	RU36	RL_4A_087416	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Rocky Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.949615	-79.579553	SANDY LEVEL	RU36	RL_4A_087397	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Rocky Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.944049	-79.571442	SANDY LEVEL	RU36	RL_4A_087327	Pigg River Lower		Perennial
Pittsylvania	UNT to Rocky Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.944016	-79.571517	SANDY LEVEL	RU36	RL_4A_087327	Pigg River Lower		Perennial
Pittsylvania	Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.929762	-79.526109	SANDY LEVEL	RU36	RL_4A_087515	Harpen Creek		Perennial
Pittsylvania	UNT to Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.929745	-79.52629	SANDY LEVEL	RU36	RL_4A_087515	Harpen Creek		Perennial

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Pittsylvania	Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.925105	-79.51735	SANDY LEVEL	RU36	RL_4A_087487	Pigg River Lower		Perennial
Pittsylvania	UNT to Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.920737	-79.505898	SANDY LEVEL	RU36	RL_4A_087511	Pigg River Lower		Perennial
Pittsylvania	UNT to Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.917694	-79.496604	PITTSVILLE	RU36	RL_4A_087561	Pigg RiverTribs.		Intermittent
Pittsylvania	Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.916463	-79.492669	PITTSVILLE	RU36	RL_4A_087502	Pigg River Lower		Perennial
Pittsylvania	UNT to Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.915658	-79.490029	PITTSVILLE	RU36	RL_4A_087555	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Harpen Creek	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.913003	-79.487838	PITTSVILLE	RU36	RL_4A_087590	Pigg RiverTribs.		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.905329	-79.471492	PITTSVILLE	RD55	RL_4A_082715	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.905307	-79.471574	PITTSVILLE	RD55	RL_4A_082715	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.902991	-79.46822	PITTSVILLE	RD55	RL_4A_082683	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.901941	-79.466535	PITTSVILLE	RD55	RL_4A_082710	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.899437	-79.462685	PITTSVILLE	RD55	RL_4A_083383	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.899411	-79.462483	PITTSVILLE	RD55	RL_4A_083383	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.899248	-79.462396	PITTSVILLE	RD55	RL_4A_083383	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.89774	-79.458046	PITTSVILLE	RD55	RL_4A_083373	Cherrystone Creek		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.897315	-79.456119	PITTSVILLE	RD55	RL_4A_083373	Cherrystone Creek		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.895915	-79.45296	PITTSVILLE	RD55	RL_4A_083390	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.895808	-79.45292	PITTSVILLE	RD55	RL_4A_083390	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.894043	-79.445744	PITTSVILLE	RD55	RL_4A_083369	Cherrystone Creek		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.893727	-79.444763	PITTSVILLE	RD55	RL_4A_083369	Cherrystone Creek		Perennial
Pittsylvania	UNT to Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.892751	-79.440053	PITTSVILLE	RD55	RL_4A_083355	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.891451	-79.433781	PITTSVILLE	RD55	RL_4A_083355	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.886114	-79.430914	PITTSVILLE	RD55	RL_4A_083358	Pole Bridge Branch		Perennial
Pittsylvania	Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.884444	-79.42822	PITTSVILLE	RD55	RL_4A_083414	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.884284	-79.427914	PITTSVILLE	RD55	RL_4A_083414	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.879063	-79.420189	PITTSVILLE	RD55	RL_4A_083428	Cherrystone Creek Tributaries		Perennial
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.877937	-79.417992	PITTSVILLE	RD55	RL_4A_083444	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Pole Bridge Branch	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.877416	-79.416255	PITTSVILLE	RD55	RL_4A_083444	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	2g	III	PWS	03010105	36.871651	-79.404061	CHATHAM	RD56	RL_4A_083403	Whitehorn Creek Tributaries		Intermittent
Pittsylvania	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	2g	III	PWS	03010105	36.871478	-79.403907	CHATHAM	RD56	RL_4A_083403	Whitehorn Creek Tributaries		Intermittent
Pittsylvania	UNT to Mill Creek	Roanoke River Basin	Roanoke River Subbasin	2g	III	PWS	03010105	36.866534	-79.400511	CHATHAM	RD56	RL_4A_083573	Whitehorn Creek Tributaries		Intermittent
Pittsylvania	Mill Creek	Roanoke River Basin	Roanoke River Subbasin	2g	III	PWS	03010105	36.863513	-79.397914	CHATHAM	RD56	RL_4A_083573	Whitehorn Creek Tributaries		Intermittent
Pittsylvania	Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.851931	-79.386051	CHATHAM	RD55	RL_4A_083594	Little Cherrystone Creek		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.849394	-79.37778	CHATHAM	RD55	RL_4A_083594	Little Cherrystone Creek		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.843486	-79.369222	SPRING GARDEN	RD55	RL_4A_083642	Unnamed tributary		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.841112	-79.366848	SPRING GARDEN	RD55	RL_4A_083544	Unnamed tributary		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.841093	-79.366942	SPRING GARDEN	RD55	RL_4A_083544	Unnamed tributary		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.834501	-79.360244	SPRING GARDEN	RD55	RL_4A_083559	Little Cherrystone Creek		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.833412	-79.359823	SPRING GARDEN	RD55	RL_4A_083607	Unnamed tributary		Perennial
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.830285	-79.356618	SPRING GARDEN	RD55	RL_4A_083609	Unnamed tributary		Intermittent
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.829823	-79.346016	SPRING GARDEN	RD55	RL_4A_083641	Unnamed tributary		Intermittent
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.828993	-79.344442	SPRING GARDEN	RD55	RL_4A_083673	Unnamed tributary		Intermittent
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.828958	-79.344315	SPRING GARDEN	RD55	RL_4A_083673	Unnamed tributary		Intermittent
Pittsylvania	UNT to Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.828831	-79.353849	SPRING GARDEN	RD55	RL_4A_083554	Little Cherrystone Creek		Perennial
Pittsylvania	Little Cherrystone Creek	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.828207	-79.349814	SPRING GARDEN	RD55	RL_4A_083571	Little Cherrystone Creek		Perennial
Giles	W-Z11	New River Basin	New River Subbasin	1d	VI		05050002	37.346591	-80.641713	PEARISBURG	NE74	RL_09_043137	Little Stony Creek	Yes	Intermittent
Giles	W-Z3	New River Basin	New River Subbasin	1d	VI		05050002	37.342244	-80.620612	EGGLESTON	NE74	RL_09_043164	Little Stony Creek Tributaries	Yes	Intermittent
Giles	W-CD12	New River Basin	New River Subbasin	1	V		05050002	37.318644	-80.441717	NEWPORT	NE64	RL_09_064526	Sinking Creek Middle	Yes	Artificial Path
Giles	W-MM10	New River Basin	New River Subbasin	1	IV	u	05050002	37.298219	-80.480617	NEWPORT	NE64	RL_09_064472	Sinking Creek Tributaries		Intermittent
Giles	W-RR1b	New River Basin	New River Subbasin	1	IV	u	05050002	37.29667	-80.494042	NEWPORT	NE64	RL_09_063963	New River & Sinking Creek Tributaries		Perennial
Montgomery	W-IJ46-PEM	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.296153	-80.367508	MCDONALDS MILL	RU06	RL_4A_064391	Mill Creek	Yes	Intermittent
Montgomery	W-AD4	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.286984	-80.330124	MCDONALDS MILL	RU06	RL_4A_064939	Roanoke River, North Fork/Bradshaw Creek		Intermittent
Montgomery	W-F9-PFO	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.258109	-80.285892	MCDONALDS MILL	RU07	RL_4A_052252	North Fork Roanoke River Tribs.		Intermittent
Montgomery	W-C12-PEM	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.257265	-80.281667	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent
Montgomery	W-C12	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.257192	-80.281649	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent
Montgomery	W-C11	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.257107	-80.281351	MCDONALDS MILL	RU07	RL_4A_052228	North Fork Roanoke River Tribs.		Intermittent
Montgomery	W-C6	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.25586	-80.275715	MCDONALDS MILL	RU07	RL_4A_052167	Roanoke River, North Fork/Bradshaw Creek		Intermittent
Montgomery	W-C5	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.255606	-80.274237	MCDONALDS MILL	RU08	RL_4A_052151	Roanoke River, North Fork/Bradshaw Creek		Intermittent
Montgomery	W-AB7	Roanoke River Basin	Roanoke River Subbasin	7b	V	PWS pH-6.5-9.5,	03010101	37.231426	-80.198615	ELLISTON	RU09	RL_4A_052939	Roanoke River	Yes	Artificial Path
Montgomery	W-KL58	Roanoke River Basin	Roanoke River Subbasin	7b	V	PWS pH-6.5-9.5,	03010101	37.229183	-80.203106	ELLISTON	RU05	RL_4A_052944	Roanoke River, South Fork Lower	Yes	Artificial Path
Montgomery	W-EF5-PFO	Roanoke River Basin	Roanoke River Subbasin	7b	IV	PWS pH-6.5-9.5,	03010101	37.210948	-80.193359	ELLISTON	RU09	RL_4A_052836	Roanoke River Tribs.		Intermittent
Roanoke	W-EF18	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.179449	-80.140665	ELLISTON	RU02	RL_4A_052434	Bottom Creek Upper	Yes	Perennial
Roanoke	W-EF17	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.179402	-80.1406	ELLISTON	RU02	RL_4A_052434	Bottom Creek Upper	Yes	Perennial
Roanoke	W-IJ94-PEM	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.170092	-80.138294	ELLISTON	RU02	RL_4A_052443	Bottom Creek	Yes	Perennial
Roanoke	W-IJ96-PEM	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.169461	-80.130376	ELLISTON	RU02	RL_4A_052536	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	W-IJ95-PSS	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.169068	-80.138278	ELLISTON	RU02	RL_4A_052443	Bottom Creek	Yes	Perennial
Roanoke	W-IJ102	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.168289	-80.138375	ELLISTON	RU02	RL_4A_052314	Bottom Creek Upper	Yes	Perennial
Roanoke	W-KL17	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.160152	-80.134774	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-EF42	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.157611	-80.133722	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-HS02	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.157427	-80.133413	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB6-PEM-2	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.156825	-80.131998	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB6-PFO-1	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.156713	-80.131681	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB6-PEM-1	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.15617	-80.130794	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB6-PSS	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.156034	-80.130603	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB5	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.15584	-80.130227	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-AB3-PEM-2	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.155664	-80.129569	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-EF46	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.154575	-80.129122	ELLISTON	RU02	RL_4A_052515	Bottom Creek Tribs.		Intermittent
Roanoke	W-KL48-PSS-1	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.152292	-80.130022	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL48-PEM	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.151965	-80.130049	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL48-PSS-2	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.150926	-80.131271	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL50	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.150728	-80.131537	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL49	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.150297	-80.132193	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL51-PEM	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.150006	-80.132403	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-KL51-PSS	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.149975	-80.132476	ELLISTON	RU02	RL_4A_052412	Bottom Creek Tributaries	Yes	Perennial

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Roanoke	W-MN7-PEM	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.148328	-80.133901	ELLISTON	RU02	RL_4A_052419	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-EF44	Roanoke River Basin	Roanoke River Subbasin	7	VI	pH-6.5-9.5,	03010101	37.142977	-80.138322	ELLISTON	RU02	RL_4A_052496	Bottom Creek Tribs.	Yes	Intermittent
Roanoke	W-IJ36	Roanoke River Basin	Roanoke River Subbasin	7	V	pH-6.5-9.5,	03010101	37.138922	-80.139845	ELLISTON	RU02	RL_4A_052410	Bottom Creek Tributaries	Yes	Perennial
Roanoke	W-Z7	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.136601	-80.128216	ELLISTON	RU02	RL_4A_052535	Bottom Creek Tribs.		Intermittent
Roanoke	W-Z6	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.136466	-80.128238	ELLISTON	RU02	RL_4A_052535	Bottom Creek Tribs.		Intermittent
Roanoke	W-IJ62	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.135529	-80.134044	ELLISTON	RU02	RL_4A_052391	Bottom Creek Tributaries		Intermittent
Roanoke	W-Y2	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.134284	-80.137448	ELLISTON	RU02	RL_4A_052465	Bottom Creek Tribs.		Intermittent
Roanoke	W-IJ10	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.132561	-80.131744	ELLISTON	RU02	RL_4A_052308	Bottom Creek Tributaries		Intermittent
Roanoke	W-Q11	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.13247	-80.131638	ELLISTON	RU02	RL_4A_052308	Bottom Creek Tributaries		Intermittent
Roanoke	W-KL1	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.132456	-80.131463	ELLISTON	RU02	RL_4A_052308	Bottom Creek Tributaries		Intermittent
Roanoke	W-B25-PEM-4	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128942	-80.133774	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	W-B25-PEM-1	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128645	-80.133283	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	W-B24-PSS	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.12854	-80.130794	ELLISTON	RU02	RL_4A_052330	Bottom Creek Tributaries		Intermittent
Roanoke	W-B24-PEM	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.12853	-80.13106	ELLISTON	RU02	RL_4A_052330	Bottom Creek Tributaries		Intermittent
Roanoke	W-B25-PSS-2	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128527	-80.132335	ELLISTON	RU02	RL_4A_052330	Bottom Creek Tributaries		Intermittent
Roanoke	W-B25-PEM-1	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128449	-80.132802	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Roanoke	W-B25-PEM-2	Roanoke River Basin	Roanoke River Subbasin	7	IV	pH-6.5-9.5,	03010101	37.128436	-80.132646	ELLISTON	RU02	RL_4A_052449	Bottom Creek Tribs.		Intermittent
Franklin	W-ST2-PEM	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.125329	-80.12146	BENT MOUNTAIN	RU21	RL_4A_052537	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	W-RR4	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.125117	-80.11353	CALLAWAY	RU21	RL_4A_052550	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	W-RR3	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.124214	-80.114746	CALLAWAY	RU21	RL_4A_052550	S.F. Blackwater River Tribs.	Yes	Intermittent
Franklin	W-KL41	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.123851	-80.115802	CALLAWAY	RU21	RL_4A_052311	Upper Blackwater River	Yes	Intermittent
Franklin	W-D7-PEM	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.121559	-80.08575	CALLAWAY	RU20	RL_4A_059993	N.F. Blackwater River Tribs.		Intermittent
Franklin	W-EF3	Roanoke River Basin	Roanoke River Subbasin	6a	VI	NEW-1	03010101	37.117734	-80.095992	CALLAWAY	RU21	RL_4A_052432	Upper Blackwater River	Yes	Intermittent
Franklin	W-IJ1	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.092927	-80.027568	CALLAWAY	RU20	RL_4A_059931	Upper Blackwater River		Intermittent
Franklin	W-IJ2-PEM	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.092555	-80.027314	CALLAWAY	RU20	RL_4A_059931	Upper Blackwater River		Intermittent
Franklin	W-E7	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.084557	-79.947595	BOONES MILL	RU22	RL_4A_059534	Teels Creek		Perennial
Franklin	W-E8	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.082843	-79.9461	BOONES MILL	RU22	RL_4A_059497	Teels Creek		Perennial
Franklin	W-EF51	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.064781	-79.87446	REDWOOD	RU22	RL_4A_059633	Blackwater River Tribs.		Intermittent
Franklin	W-KL43b	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.059608	-79.840707	REDWOOD	RU23	RL_4A_061408	Maggodee Creek Tributaries		Intermittent
Franklin	W-CD6	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.057586	-79.915232	BOONES MILL	RU22	RL_4A_059542	Little Creek Middle		Perennial
Franklin	W-CD5	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.055438	-79.910624	BOONES MILL	RU22	RL_4A_059542	Little Creek Middle		Perennial
Franklin	W-EF48	Roanoke River Basin	Roanoke River Subbasin	6a	III	NEW-1	03010101	37.052142	-79.886197	BOONES MILL	RU22	RL_4A_059565	Blackwater River Tribs.		Intermittent
Franklin	W-CD1	Roanoke River Basin	Roanoke River Subbasin	6f	IV	PWS, NEW-1	03010101	37.047767	-79.897568	BOONES MILL	RU22	RL_4A_059592	Blackwater River Tribs.		Intermittent
Franklin	W-DD1	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031961	-79.788589	REDWOOD	RU24	RL_4A_061419	Foul Ground Creek Lower		Intermittent
Franklin	W-A12-PFO	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031754	-79.788099	REDWOOD	RU24	RL_4A_061419	Foul Ground Creek Lower		Intermittent
Franklin	W-A12-PEM	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.031643	-79.788111	REDWOOD	RU24	RL_4A_061419	Foul Ground Creek Lower		Intermittent
Franklin	W-GH16	Roanoke River Basin	Roanoke River Subbasin	6i	IV	PWS, NEW-1	03010101	37.028394	-79.773243	REDWOOD	RU24	RL_4A_061367	Blackwater River Lower Tributaries		Intermittent
Franklin	W-H17	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.98939	-79.72209	PENHOOK	RU32	RL_4A_061215	Pigg River Tribs.		Intermittent
Franklin	W-H11	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988077	-79.702803	PENHOOK	RU32	RL_4A_061868	Pigg River Tribs.		Intermittent
Franklin	W-H16	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988073	-79.714967	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	W-H14	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.988069	-79.711841	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	W-A8	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987947	-79.700844	PENHOOK	RU32	RL_4A_061740	Pigg River Middle		Perennial
Franklin	W-H15	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.987938	-79.714829	PENHOOK	RU32	RL_4A_061830	Pigg River Tribs.		Intermittent
Franklin	W-H9	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.978536	-79.682057	PENHOOK	RU32	RL_4A_061723	Pigg River Middle		Intermittent
Franklin	W-H6	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.972189	-79.663042	PENHOOK	RU32	RL_4A_061768	Pigg River Middle		Intermittent
Pittsylvania	W-D3	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.965318	-79.59876	SANDY LEVEL	RU36	RL_4A_062001	Pigg River Lower		Perennial
Franklin	W-MM17	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.964731	-79.617067	SANDY LEVEL	RU36	RL_4A_062120	Unnamed tributary		Intermittent
Pittsylvania	W-B5	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.959293	-79.586201	SANDY LEVEL	RU36	RL_4A_087413	Pigg RiverTribs.		Intermittent
Pittsylvania	W-B4-PSS	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.957884	-79.583666	SANDY LEVEL	RU36	RL_4A_087413	Pigg RiverTribs.		Intermittent
Pittsylvania	W-C1	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.929954	-79.526831	SANDY LEVEL	RU36	RL_4A_087515	Harpen Creek		Perennial
Pittsylvania	W-H5	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.924983	-79.517159	SANDY LEVEL	RU36	RL_4A_087487	Pigg River Lower		Perennial
Pittsylvania	W-B3	Roanoke River Basin	Roanoke River Subbasin	6a	III		03010101	36.916508	-79.49236	PITTSVILLE	RU36	RL_4A_087502	Pigg River Lower		Perennial
Pittsylvania	W-CC2-PEM	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.905418	-79.471566	PITTSVILLE	RD55	RL_4A_082824	Cherrystone Creek Tributaries		Artificial Path
Pittsylvania	W-MM5	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.903012	-79.468192	PITTSVILLE	RD55	RL_4A_082683	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	W-MM9	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.894087	-79.44611	PITTSVILLE	RD55	RL_4A_083369	Cherrystone Creek		Perennial
Pittsylvania	W-MM8-PEM	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.894034	-79.445486	PITTSVILLE	RD55	RL_4A_083369	Cherrystone Creek		Perennial
Pittsylvania	W-MM8-PFO	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.89393	-79.445461	PITTSVILLE	RD55	RL_4A_083369	Cherrystone Creek		Perennial
Pittsylvania	W-Q2	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.884674	-79.428607	PITTSVILLE	RD55	RL_4A_083358	Pole Bridge Branch		Perennial
Pittsylvania	W-Q1	Roanoke River Basin	Roanoke River Subbasin	2d	III	PWS	03010105	36.883985	-79.427305	PITTSVILLE	RD55	RL_4A_083414	Cherrystone Creek Tributaries		Intermittent
Pittsylvania	W-G2	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.851816	-79.38593	CHATHAM	RD55	RL_4A_083594	Little Cherrystone Creek		Perennial
Pittsylvania	W-H1	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.836097	-79.360895	SPRING GARDEN	RD55	RL_4A_083559	Little Cherrystone Creek		Perennial
Pittsylvania	W-EF6	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.835004	-79.339128	SPRING GARDEN	RD58	RL_4A_083574	Unnamed tributary		Intermittent
Pittsylvania	W-H2	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.834817	-79.360479	SPRING GARDEN	RD55	RL_4A_083559	Little Cherrystone Creek		Perennial
Pittsylvania	W-IJ21	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.834623	-79.338527	SPRING GARDEN	RD58	RL_4A_083574	Unnamed tributary		Intermittent
Pittsylvania	W-H3	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.833741	-79.360081	SPRING GARDEN	RD55	RL_4A_083607	Unnamed tributary		Perennial
Pittsylvania	W-MM3	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.830361	-79.356631	SPRING GARDEN	RD55	RL_4A_083609	Unnamed tributary		Intermittent
Pittsylvania	W-IJ22-PEM	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.82778	-79.350264	SPRING GARDEN	RD55	RL_4A_083571	Little Cherrystone Creek		Perennial
Pittsylvania	W-IJ22-PFO	Roanoke River Basin	Roanoke River Subbasin	2	III		03010105	36.827748	-79.350295	SPRING GARDEN	RD55	RL_4A_083571	Little Cherrystone Creek		Perennial
Montgomery	W-NN6						03010101	37.268174	-80.316468						
Franklin	W-IJ6						03010101	37.089156	-80.005036						
Franklin	W-II8						03010101	37.091357	-79.992006						
Franklin	W-GH2						03010101	37.092404	-79.983182						
Montgomery	UNT to North Fork RoanokeRiver						03010101	37.267002	-80.312898						
Montgomery	UNT to North Fork RoanokeRiver						03010101	37.264882	-80.307302						
Montgomery	UNT to North Fork RoanokeRiver						03010101	37.264858	-80.307151						
Franklin	Green Creek						03010101	37.127733	-80.116787						
Franklin	UNT to Green Creek						03010101	37.127077	-80.111387						
Franklin	UNT to Green Creek						03010101	37.126962	-80.111052						
Franklin	UNT to North Fork BlackwaterRiver						03010101	37.115679	-80.0603						
Franklin	UNT to North Fork BlackwaterRiver						03010101	37.106614	-80.054219						
Franklin	UNT to North Fork BlackwaterRiver						03010101	37.092555	-80.027314						
Franklin	UNT to North Fork BlackwaterRiver						03010101	37.091189	-80.024366						
Franklin	Little Creek						03010101	37.089179	-80.005026						

County	NHD Stream Name1	Basin	Subbasin	Section	Class	Special Standards	HUC 8	Latitude2	Longitude2	USGS Quad	State Watershed No.	WQS_ID	WQA Water Name	Trout	Stream Type
Franklin	UNT to Little Creek						03010101	37.090361	-79.996354						
Franklin	UNT to Little Creek						03010101	37.091413	-79.993944						
Franklin	UNT to Little Creek						03010101	37.091382	-79.99062						
Franklin	UNT to Little Creek						03010101	37.091354	-79.992013						
Franklin	UNT to Little Creek						03010101	37.092397	-79.983227						
Franklin	UNT to Little Creek						03010101	37.091608	-79.987839						
Franklin	UNT to Little Creek						03010101	37.091564	-79.988051						
Franklin	UNT to Little Creek						03010101	37.092697	-79.978402						
Franklin	UNT to Teels Creek						03010101	37.090153	-79.953936						
Franklin	UNT to Teels Creek						03010101	37.074664	-79.941123						
Franklin	UNT to Teels Creek						03010101	37.074636	-79.941336						
Franklin	UNT to Teels Creek						03010101	37.06061	-79.921179						
Franklin	UNT to Blackwater River						03010101	37.005496	-79.752655						
Note: Grayscale rows indicate timber mat crossings, and one additional temporary workspace (ATWS) completed under NWP-12															