VWP Individual Permit Number 21-0416
Effective Date: Month DD, YYYY
Expiration Date: Month DD, YYYY

VIRGINIA WATER PROTECTION PERMIT ISSUED PURSUANT TO THE STATE WATER CONTROL LAW AND SECTION 401 OF THE CLEAN WATER ACT

In compliance with § 401 of the Clean Water Act, as amended (33 USC § 1341) and the State Water Control Law and regulations adopted pursuant thereto, the board has determined that there is a reasonable assurance that this VWP permit, if complied with, will protect instream beneficial uses, will not violate applicable water quality standards, and will not cause or contribute to a significant impairment of state waters or fish and wildlife resources. In issuing this VWP permit, the board has not taken into consideration the structural stability of any proposed activities.

Permittee: Mountain Valley Pipeline, LLC

Address: 2200 Energy Drive, Canonsburg, PA 15317

Project Name: Mountain Valley Pipeline Project

Project Location: In Virginia, the project consists of approximately 107 miles of pipeline and 51 miles of access roads in Giles, Craig, Montgomery, Roanoke, Franklin, and Pittsylvania Counties.

Project Description: The permittee is constructing 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. Permitted activities shall be conducted as described in the Joint Permit Application dated February 19, 2021, received on March 1, 2021, and supplemental materials, revisions and clarifications received through August 17, 2021.

Authorized Surface Water Impacts:

This permit authorizes the surface water impacts identified in **Table 1 Stream Impacts**, and **Table 2 Wetland Impacts**, attached to this permit in Appendix 1. 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**

Authorized surface water impacts shall be as depicted on the materials provided in the application as Attachment H-3, entitled Virginia Plan and Profile Crossing Drawings, and Attachment B, entitled Table B-1 Virginia Stream Impacts, and Table B-2 Virginia Wetland Impacts, dated February 22, 2021 with latest revision date of May 14, 2021, received May 14, 2021.

Approved Compensation:

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 permittee 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.

The permitted activity shall be in accordance with this Permit Cover Page, Part I - Special Conditions, Part II - General Conditions, Appendix 1, and Appendix 2.

[Name], Regional Director _____ Date

Part I – Special Conditions

A. Authorized Activities

1. DEQ authorizes the acreage and linear feet of surface water impacts identified in **Table 1 Stream Impacts**, and **Table 2 Wetland Impacts**, attached to this permit in Appendix 1.

2. The permittee shall conduct authorized activities as described in the Joint Permit Application dated February 19, 2021, and received March 1, 2021, and supplemental materials, revisions and clarifications received through August 18, 2021. Any changes to the authorized activities or impacts map that affect permitted areas shall be submitted to DEQ immediately upon determination that changes are necessary, and DEQ approval shall be required prior to implementing the changes.

3. The permit authorizes the temporary use of mechanical equipment in surface waters in accordance with all applicable permit conditions.

4. The permittee shall notify DEQ of any changes in authorized impacts to surface waters or any changes to the design or type of construction activities in surface waters authorized by this permit. DEQ approval shall be required prior to implementing the changes. Any additional impacts, modifications, or changes shall be subject to individual permit review and/or modification of this permit.

B. Permit Term

1. This permit is valid for **ten (10) years** from the date of issuance. An extension of this permit term or a new permit may be necessary for the continuance of the authorized activities or any permit requirement that has not been completed, including compensation provisions. The permit term, including any granted extensions, shall not exceed 15 years.

2. The permittee shall notify DEQ in writing at least 180 calendar days prior to the expiration of this permit if reissuance will be requested.

C. Standard Project Conditions

1. The activities authorized by this permit shall be executed in such a manner that any impacts to beneficial uses are minimized. As defined in § 62.1-44.3 of the Code, "beneficial use" means both instream and offstream uses. Instream beneficial uses include, but are not limited to, the protection of fish and wildlife habitat, maintenance of waste assimilation, recreation, navigation, and cultural and aesthetic values. The preservation of instream flows for purposes of the protection of navigation, maintenance of waste assimilation capacity, the protection of fish and wildlife resources and habitat, recreation, cultural and aesthetic values is an instream beneficial use of Virginia's waters. Offstream beneficial uses include, but are not limited to, domestic (including public water supply), agricultural uses, electric power generation, commercial, and industrial uses.

2. No activity shall substantially disrupt the movement of aquatic life indigenous to the water body, including those species which normally migrate through the area, unless the primary purpose of the activity is to impound water.

3. Flows downstream of the project area shall be maintained to protect all uses.

4. No activity shall cause more than minimal adverse effect on navigation,.

5. The activity shall not impede the passage of normal or expected high flows, and any associated structure shall withstand expected high flows.

6. Except for temporary impacts authorized by this permit, continuous flow of perennial springs shall be maintained by the installation of spring boxes, French drains, or other similar structures as approved in the stream and wetland restoration plan.

7. All excavation, dredging, or filling in surface waters shall be accomplished in a manner that minimizes bottom disturbance and turbidity.

8. All in-stream activities shall be conducted during low-flow conditions whenever practicable.

9. Erosion and sedimentation controls shall be designed in accordance with the Virginia Erosion and Sediment Control Handbook, Third Edition, 1992. These controls shall be placed prior to clearing and grading and maintained in good working order to minimize impacts to state waters. These controls shall remain in place until the area is stabilized and removal of such controls is authorized by permittee's Annual Standards and Specifications.

10. All construction, construction access, and demolition activities associated with this project shall be accomplished in a manner that minimizes construction materials or waste materials from entering surface waters, unless authorized by this permit. Wet, excess, or waste concrete shall be prohibited from entering surface waters.

11. All fill material placed in surface waters shall be clean and free of contaminants in toxic concentrations or amounts in accordance with all applicable laws and regulations.

12. Measures shall be employed at all times to prevent and contain spills of fuels, lubricants, or other pollutants into surface waters.

13. Stream channel restoration activities shall be conducted in the dry or during low flow conditions. When site conditions prohibit access from the streambank or upon prior authorization from the Department of Environmental Quality, heavy equipment may be authorized for use within the stream channel. The equipment shall be stationed on cobble bars.

14. Machinery or heavy equipment in temporarily impacted wetlands shall be placed on mats or geotextile fabric, or other suitable means shall be implemented, to minimize soil disturbance to the

maximum extent practical. Mats, fabrics, or other measures shall be removed as soon as the work is complete in the temporarily impacted wetland.

15. Virginia Water Quality Standards shall not be violated in any surface waters as a result of the project activities.

16. All non-impacted surface waters and any required buffers associated with compensation areas that are within the project or right-of-way limits, and that are within fifty feet of any project activities, shall be clearly flagged or demarcated for the life of the construction activity within that area. The permittee shall notify all contractors and subcontractors that *no activities are to occur in these marked areas*.

17. All required notifications and submittals shall include project name and permit number and be submitted electronically to steven.hardwick@deq.virginia.gov or mailed to the DEQ office stated below, to the attention of the VWP project manager, unless directed in writing by DEQ subsequent to the issuance of this permit: Department of Environmental Quality, Central Office, P.O. Box 1105, Richmond, Virginia 23218

18. All reports required by this permit and other information requested by DEQ shall be signed by the permittee or a person acting in the permittee's behalf, with the authority to bind the permittee. A person is a duly authorized representative only if *both* criteria below are met. If a representative authorization is no longer valid because of a change in responsibility for the overall operation of the facility, a new authorization shall be immediately submitted to DEQ.

    a. The authorization is made in writing by the permittee.

    b. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, superintendent, or position of equivalent responsibility. A duly authorized representative may thus be either a named individual or any individual occupying a named position.

19. All submittals shall contain the following signed certification statement:

    "I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

20. Any fish kills or spills of fuels or oils shall be reported to DEQ immediately upon discovery at 540-562-6700. If DEQ cannot be reached, the spill or fish kill shall be reported to the Virginia Department of Emergency Management (VDEM) at 1-800-468-8892 or the National Response Center (NRC) at 1-800-424-8802. Any spill of oil as defined in § 62.1-44.34:14 of the Code of

Virginia that is less than 25 gallons and that reaches, or that is expected to reach, land only is not reportable, if recorded per § 62.1-44.34:19.2 of the Code of Virginia and if properly cleaned up.

21. DEQ shall be notified in writing within 24 hours or as soon as possible on the next business day when potential environmentally threatening conditions are encountered which require debris removal or involve potentially toxic substances. Measures to remove the obstruction, material, or toxic substance or to change the location of any structure are prohibited until approved by DEQ.

D. Installation of Utilities and Temporary Impacts

1. This pipelines project is subject to § 62.1-44.15:21 J 2 and shall be constructed in a manner that minimizes temporary and permanent impacts to state waters and protects water quality to the maximum extent practicable, including by the use of applicable best management practices that the Board determines to be necessary to protect water quality.

2. All utility line work in surface waters shall be performed in a manner that minimizes disturbance in each area. Temporarily disturbed surface waters shall be restored in accordance with this Permit and the approved stream and wetland restoration plan, unless otherwise authorized by this permit.

3. Material resulting from trench excavation may be temporarily sidecast into wetlands not to exceed a total of 90 calendar days, provided the material is not placed in a manner such that it is dispersed by currents or other forces.

4. The trench for a utility line cannot be constructed in a manner that drains wetlands (e.g., backfilling with extensive gravel layers creating a French drain effect).

5. Temporary disturbances to wetlands, stream channels, and/or stream banks during project construction activities shall be avoided and minimized to the maximum extent practicable.

6. All materials (including fill, construction debris, excavated materials, and woody materials, that are temporarily placed in wetlands, in stream channels, or on stream banks) shall be placed on mats or geotextile fabric, shall be immediately stabilized to prevent the material or leachate from entering surface waters, and shall be entirely removed within 90 calendar days following completion of that construction activity. After removal, disturbed areas shall be returned to original contours, shall be stabilized, and shall be restored to the original vegetated state in accordance with the a stream and wetland restoration plan to be approved by the Department.

7. Temporary in-stream construction features such as cofferdams shall be made of non-erodible materials.

8. All temporarily disturbed wetland areas shall be restored to their original elevations and contours. The restoration work shall be completed as approved by DEQ in the stream and wetland restoration plan.

9. All temporarily impacted streams and stream banks shall be restored to their original elevations and contours. The restoration work shall be completed as approved by DEQ in the stream and wetland restoration plan.

10. Submit a stream and wetland restoration plan (Plan) to DEQ for review and approval prior to initiation of construction activities in wetlands or stream channels. The Plan shall be approved by DEQ in writing prior to initiating impacts authorized by this Permit. The Plan shall establish site-specific methodologies and requirements sufficient to demonstrate successful restoration of temporarily impacted streams and wetlands to pre-construction conditions. The Plan shall include:

    a. A pre-construction wetland and stream assessment, including contours, elevations, stream geomorphology, vegetation survey and other information sufficient to establish baseline conditions at each temporary impact area;

    b. Temporary impact area restoration methods;

    c. Re-vegetation plan;

    d. Criteria for successful restoration;

    e. A monitoring schedule and report format to document attainment of success criteria;

    f. A corrective action strategy for areas not meeting the success criteria; and,

    g. A supplemental compensatory mitigation strategy addressing temporal loss of stream and wetland functions.

E. Wildlife Resources

1. The permittee shall implement the time of year restrictions (TOYR) on in-stream construction that have been approved by the Virginia Department of Wildlife Resources (VDWR), and conditions approved by the Virginia Department of Conservation and Recreation (VDCR) as specified in Table 3, and attached to this permit in Appendix 2. The permittee shall notify the Department within three business days of any subsequent revisions or addenda to Table 3 that are approved or required by VDWR and/or VDCR and shall post the most current information on their website at https://www.mountainvalleypipeline.info/news-info/. TOYR and coordination not necessary if constructed via bore.

F. Stream Modifications, Including Intake/Outfall Structures

1. Redistribution of existing stream substrate for erosion control purposes is prohibited.

2. Material removed from the stream bottom shall not be deposited into surface waters unless otherwise authorized in this permit.

3. Riprap apron for all outfalls shall be designed in accordance with Virginia Erosion and Sediment Control Handbook, Third Edition, 1992, or the most recent version in effect at the time of construction.

4. For streambank protection activities, structures and backfill shall be placed as close to the streambank as practical, while still avoiding and minimizing impacts to surface waters to the maximum extent practical. No material shall be placed in excess of the minimum necessary for erosion protection.

5. Asphalt and materials containing asphalt or other toxic substances shall not be used in the construction of submerged sills, breakwaters, dams, or weirs.

G. Road Crossings

1. Access roads authorized by this permit shall be constructed to minimize the adverse effects on surface waters to the maximum extent practicable and to follow as near as possible pre-construction contours and elevations.

2. Installation of pipes and road crossings shall occur in the dry via the implementation of cofferdams, sheetpiling, stream diversions or other similar structures.

3. All surface waters temporarily affected by a road crossing shall be restored to their original elevations immediately following the removal of that particular temporary crossing. Temporary access roads shall be removed entirely following activity completion.

4. At crossings of streams S-H42 (VWP No. S-314) and S-IJ16a (VWP No. S-60), pipes and culverts must be installed to maintain low flow conditions and shall be countersunk at both inlet and outlet ends of the pipe or culvert, unless otherwise specifically approved by the Department of Environmental Quality on a case-by-case basis, and as follows: The requirement to countersink does not apply to extensions or maintenance of existing pipes and culverts that are not countersunk, floodplain pipes and culverts being placed above ordinary high water, pipes and culverts being placed on bedrock, or pipes and culverts required to be placed on slopes 5.0% or greater. Bedrock encountered during construction must be identified and approved in advance of a design change where the countersunk condition cannot be met. Pipes and culverts 24 inches or less in diameter shall be countersunk three inches below the natural stream bed elevations, and pipes and culverts greater than 24 inches shall be countersunk at least six inches below the natural stream bed elevations. Hydraulic capacity shall be determined based on the reduced capacity due to the countersunk position. In all stream crossings appropriate measures shall be implemented to minimize any disruption of aquatic life movement.

5. When countersinking culverts in streams, the permittee shall install the structure and any riprap or ancillary features in a manner to ensure reestablishment of the stream channel within 15 days post construction. When installing culverts in any surface water, the permittee shall install the culvert and ancillary features in a manner that will maintain the pre-construction hydrologic regime. Surface

water depth within the impact area shall be consistent with depths upstream and downstream of the impact area.

6. Stream bottom elevations at road crossings shall be measured at the inlet and outlet of the proposed structure and recorded prior to construction and within one week after the completion of construction to ensure that the design elevations were met. This information shall be recorded on the *Monthly VWP Permit Inspection Checklist (Attachment 2)* completed after the crossing is installed.

H. Stormwater Management Structures

1. The outfall and overflow structure shall be constructed and maintained to prevent downstream sediment deposition, erosion, or scour that may be associated with normal flow and any expected storm flows. Construction shall include the use of an appropriate outlet protection approved by the Virginia Stormwater Management Program Authority.

2. Maintenance excavation of best management practices shall follow the stormwater management facilities maintenance agreement approved by the Virginia Stormwater Management Program Authority, and, for best management practices constructed in surface waters, shall not exceed the original contours or designated maintenance areas of the facility.

3. Draining of a stormwater management facility shall be performed by a method that prevents downstream sediment deposition, erosion, or scour.

I. Project Construction Monitoring and Submittals (Impact Sites)

1. The permittee shall submit written notification at least **thirty (30) calendar days** prior to the initiation of land disturbance or construction activities in permitted areas. The notification shall include preconstruction photographs, projected schedule for initiating and completing work at each permitted impact area.

   a. Preconstruction photographs shall be taken at each impact area prior to initiation of activities within impact areas.
   b. Photographs shall depict the impact area and the nonimpacted surface waters immediately adjacent to and downgradient of each impact area.
   c. Each photograph shall be labeled to include the following information: permit number, impact area number, date and time of the photograph, name of the person taking the photograph, photograph orientation, and photograph subject description.

2. Site inspections shall be conducted **once every calendar month** and recorded on the *Monthly VWP Permit Inspection Checklist* (*Attachment 2)* by the permittee or the permittee's qualified designee during active construction within authorized surface water impact areas. Monthly inspections shall be conducted by the permittee's environmental inspectors in the following areas within the approved limits-of-disturbance: all authorized permanent and temporary impact areas; all avoided surface waters, including wetlands, stream channels, and open water; surface water areas within 50 feet of

any land disturbing activity; and all on-site areas designated for permanent preservation. The *Monthly VWP Permit Inspection Checklist* (*Attachment 2)* shall be completed in its entirety for each monthly inspection and shall be kept on-site and made available for review by DEQ staff upon request during normal business hours.

3. The *VWP Permit Construction Status Update Form* (*Attachment 1)* enclosed with this permit shall be completed in June and December of every year for the duration of this permit. The *VWP Permit Construction Status Update Form* (*Attachment 1)* shall include reference to the VWP permit authorization number and one of the following statements for each authorized surface water impact location:

   a. Construction activities not yet started;

   b. Construction activities started;

   c. Construction activities started but are currently inactive, or;

   d. Construction activities complete.

4. The *VWP Permit Construction Status Update Form* (*Attachment 1)* shall be submitted and must be received by DEQ no later than January 10 and July 10 of every year.

5. The permittee shall notify DEQ within 24 hours of discovering impacts to surface waters including wetlands, stream channels, and open water that are not authorized by this permit. The notification shall include photographs, estimated acreage and/or linear footage of impacts, and a description of the impacts.

6. The permittee shall submit written notification of completion within 30 calendar days after the completion of all activities in all permitted impact areas authorized under this permit.

J. Compensatory Mitigation

1. 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 permittee 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.

2. 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, the permittee shall first purchase available mitigation bank released credits. The permittee shall then fulfill its remaining credit obligation

through the purchase of released mitigation credits from an ILF program. The permittee shall then fulfill its remaining credit obligation through the purchase of advance mitigation credits from an ILF program.

If the permittee proposes to purchase credits from an ILF program, no more than 45 days prior to initiating work within impact areas authorized by the permit, the permittee shall determine the availability of any mitigation bank released credits with a service area that covers the project and submit its proposed mitigation credit sources to DEQ for approval. Within 15 calendar days of receipt, DEQ shall review and provide any objections to the proposal, or the proposal shall be deemed approved.

K. Other Regulatory Actions

1. This permit 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, requiring:

   a. An Environmental Auditor approved by DEQ to monitor stream and wetland crossing activities;

   b. An independent report submitted to DEQ by the Auditor within fourteen days after the completion of each wetland or waterbody crossing describing instream biological conditions;

   c. Posting of the report to the permittee's webpage;

   d. Forty-eight hour advance notice to DEQ before any stream or wetland crossing activity.

2. This permit 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.

3. This permit 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.

Part II – General Conditions

A. Duty to Comply

The permittee shall comply with all conditions and limitations of the VWP permit. Nothing in this chapter shall be construed to relieve the permittee of the duty to comply with all applicable federal and state statutes, regulations, toxic standards, and prohibitions. Any VWP permit violation or noncompliance is a violation of the Clean Water Act and State Water Control Law and is grounds for enforcement action, VWP permit termination, VWP permit revocation, VWP permit modification, or denial of an application for a VWP permit extension or reissuance.

Nothing in this VWP permit shall be construed to relieve the permittee from civil and criminal penalties for noncompliance.

B. Duty to Cease or Confine Activity

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the activity for which a VWP permit has been granted in order to maintain compliance with the conditions of the VWP permit.

C. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any impacts in violation of the VWP permit that may have a reasonable likelihood of adversely affecting human health or the environment.

D. VWP Permit Actions

A VWP permit may be modified in whole or in part, revoked and reissued, extended, transferred, or terminated in accordance with 9VAC25-210-180 of the Virginia Administrative Code.

1. During the drafting and authorization of a permit modification, only those conditions to be modified shall be addressed with preparing a draft modified permit. VWP permit terms and conditions of the existing permit shall remain in full force and effect during the modification of the permit.

2. This VWP permit may be modified upon the request of the permittee or upon board initiative when any of the following developments occur:

    a. When new information becomes available about the project or activity covered by the VWP permit, including project additions or alterations, that was not available at VWP permit issuance and would have justified the application of different VWP permit conditions at the time of VWP permit issuance;

b. When a change is made in the promulgated standards or regulations on which the VWP permit was based;

c. When changes occur that are subject to "reopener clauses" in the VWP permit; or

d. When developments applicable to surface water withdrawals occur as specified in 9VAC25-210-380 of the Virginia Administrative Code.

3. When this VWP permit authorizes surface water withdrawals, it may be modified when any of the following developments occur:

a. When the board determines that minimum instream flow levels resulting directly from the permittee's withdrawal of surface water are detrimental to the instream beneficial use, existing at the time of permit issuance, and the withdrawal of surface water should be subject to further net limitations or when an area is declared a surface water management area pursuant to §§ 62.1-242 through 62.1-253 of the Code of Virginia, during the term of the VWP permit.

b. Significant changes to the location of the surface water withdrawal system are proposed such that the Department of Environmental Quality determines a new review is warranted due to the potential effect of the surface water withdrawal to existing beneficial uses of the new location.

c. Changes to the permitted project or the surface water withdrawal, including increasing the storage capacity for the surface water withdrawal, that propose an increase in the maximum permitted withdrawal volumes or rate of withdrawal or that cause more than a minimal change to the instream flow requirements with potential to result in a detrimental effect to existing beneficial uses.

d. A revision to the purpose of the surface water withdrawal that proposes to include a new use or uses that were not identified in the permit application or a modification of the existing authorized use or uses such that the use description in the permit application and permit is no longer applicable. Examples of uses include, but are not limited to agricultural irrigation, golf course irrigation, public water supply, manufacturing, and electricity generation.

4. When the permittee has submitted a timely and complete application for reissuance of an existing VWP individual permit, but through no fault of the permittee, the board does not reissue or reissue with conditions a VWP individual permit or the board does not provide notice of its tentative decision to deny the application before an existing VWP individual permit expires, the conditions of the expiring VWP individual permit shall be administratively continued in full force and effect until the effective date of a reissued permit or the date on which the board denies the application. Timely application shall be a minimum of 180 days for an individual permit or a minimum of 270 days for an individual permit for a surface water withdrawal, unless otherwise specified in the existing permit.

5. Any permittee desiring to continue a previously permitted activity after the expiration date of this VWP permit shall apply for and obtain a new permit or, if applicable, shall request an extension in accordance with 9VAC25-210-180 of the Virginia Administrative Code. Any permittee with an effective VWP permit for an activity that is expected to continue after the expiration date of the VWP permit, without any change in the activity authorized by the VWP permit other than as may be allowed under 9VAC25-210-180, shall submit written notification requesting an extension. The permittee must file the request 90 days prior to the expiration date of the VWP permit. VWP permit modifications shall not be used to extend the term of a VWP permit beyond 15 years from the date of original issuance. When a permit term, other than that of an Emergency Virginia Water Protection Permit, is less than 15 years, an extension of the permit terms and conditions may be granted in accordance with 9VAC25-210-180. Emergency Virginia Water Protection Permits shall not exceed a duration of one year or shall expire upon the issuance of a regular Virginia Water Protection Permit, whichever comes first.

6. This VWP permit may be transferred to a new permittee only by modification to reflect the transfer, by revoking and reissuing the permit, or by automatic transfer. Automatic transfer to a new permittee shall occur if the current permittee: a) Notifies the board of the proposed transfer of the permit and provides a written agreement between the current and proposed permittees containing the date of transfer of VWP permit responsibility, authorization, and liability to the new permittee; and b) the board does not within 15 days notify the existing permittee of its intent to modify the VWP permit.

7. After notice and opportunity for a formal hearing pursuant to § 62.1-44.15:02 of the Code of Virginia, a VWP permit can be terminated for cause. Reasons for termination for cause are as follows:

   a. Noncompliance by the permittee with any condition of the VWP permit;

   b. The permittee's failure in the application or during the VWP permit process to disclose fully all relevant facts or the permittee's misrepresentation of any relevant facts at any time;

   c. The permittee's violation of a special or judicial order;

   d. A determination by the board that the permitted activity endangers human health or the environment and can be regulated to acceptable levels by VWP permit modification or termination;

   e. A change in any condition that requires either a temporary or permanent reduction or elimination of any activity controlled by the VWP permit; and

   f. A determination that the permitted activity has ceased and that the compensation for unavoidable adverse impacts has been successfully completed.

8. The board may terminate this permit without cause when the permittee is no longer a legal entity due to death, dissolution, or when a company is no longer authorized to conduct business in the Commonwealth. The termination shall be effective 30 days after notice of the proposed termination is sent to the last known address of the permittee or registered agent, unless the permittee objects within that time. If the permittee does object during that period, the board shall follow the applicable procedures for termination under § 62.1-44.15:25 of the Code of Virginia and 9VAC25-230 of the Virginia Administrative Code.

9. This VWP permit may be terminated by consent, as initiated by the permittee. The permittee shall submit a request for termination by consent within 30 days of completing or canceling all permitted activities and all required compensatory mitigation requirements. When submitted for project completion, the request for termination by consent shall constitute a notice of project completion. The director may accept this termination on behalf of the board. The permittee shall submit the following information:

    a. Name, mailing address, and telephone number;

    b. Name and location of the activity;

    c. The VWP permit number; and

    d. One of the following certifications:

        i. For project completion: "I certify under penalty of law that all activities and any required compensatory mitigation authorized by a VWP permit have been completed. I understand that by submitting this notice of termination that I am no longer authorized to perform activities in surface waters in accordance with the VWP permit, and that performing activities in surface waters is unlawful where the activity is not authorized by a VWP permit, unless otherwise excluded from obtaining a permit. I also understand that the submittal of this notice does not release me from liability for any violations of this VWP permit."

        ii. For project cancellation: "I certify under penalty of law that the activities and any required compensatory mitigation authorized by this VWP permit will not occur. I understand that by submitting this notice of termination that I am no longer authorized to perform activities in surface waters in accordance with the VWP permit, and that performing activities in surface waters is unlawful where the activity is not authorized by a VWP permit, unless otherwise excluded from obtaining a permit. I also understand that the submittal of this notice does not release me from liability for any violations of this VWP permit, nor does it allow me to resume the permitted activities without reapplication and issuance of another permit."

        iii. For events beyond permittee control, the permittee shall provide a detailed explanation of the events, to be approved by DEQ, and the following certification statement: "I certify under penalty of law that the activities or the required compensatory mitigation authorized by this VWP permit have changed as the result of events beyond my control (see attached). I

understand that by submitting this notice of termination that I am no longer authorized to perform activities in surface waters in accordance with the VWP permit, and that performing activities in surface waters is unlawful where the activity is not authorized by a VWP permit, unless otherwise excluded from obtaining a permit. I also understand that the submittal of this notice does not release me from liability for any violations of this VWP permit, nor does it allow me to resume the permitted activities without reapplication and issuance of another permit.

E. Inspection and Entry

Upon presentation of credentials, the permittee shall allow the board or any duly authorized agent of the board, at reasonable times and under reasonable circumstances, to conduct the actions listed in this section. For the purpose of this section, the time for inspection shall be deemed reasonable during regular business hours. Nothing contained herein shall make an inspection time unreasonable during an emergency.

1. Enter upon any permittee's property, public or private, and have access to, inspect and copy any records that must be kept as part of the VWP permit conditions;

2. Inspect any facilities, operations or practices (including monitoring and control equipment) regulated or required under the VWP permit; and

3. Sample or monitor any substance, parameter, or activity for the purpose of ensuring compliance with the conditions of the VWP permit or as otherwise authorized by law.

F. Duty to Provide Information

The board may request (i) such plans, specifications, and other pertinent information as may be necessary to determine the effect of an applicant's discharge on the quality of state waters or (ii) such other information as may be necessary to accomplish the purposes of this chapter. Any owner, permittee, or person applying for a VWP permit or general permit coverage shall provide the information requested by the board.

G. Monitoring and Records Requirements

1. Monitoring of parameters, other than pollutants, shall be conducted according to approved analytical methods as specified in the VWP permit. Analysis of pollutants will be conducted according to 40 CFR Part 136 (2017), Guidelines Establishing Test Procedures for the Analysis of Pollutants.

2. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

3. The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart or electronic recordings for continuous monitoring

instrumentation, copies of all reports required by the VWP permit, and records of all data used to complete the application for the VWP permit, for a period of at least three years from the date of permit expiration. This period may be extended by request of the board at any time.

4. Records of monitoring information shall include:

   a. The date, exact place and time of sampling or measurements;

   b. The name of the individuals who performed the sampling or measurements;

   c. The date and time the analyses were performed;

   d. The name of the individuals who performed the analyses;

   e. The analytical techniques or methods supporting the information such as observations, readings, calculations and bench data used;

   f. The results of such analyses; and

   g. Chain of custody documentation.

H. Property rights

The issuance of a VWP permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize injury to private property or any invasion of personal rights or any infringement of federal, state or local laws or regulations.

I. Reopener

This VWP permit may be reopened for the purpose of modifying the conditions of the VWP permit to meet new regulatory standards duly adopted by the board. Cause for reopening VWP permits includes, but is not limited to when the circumstances on which the previous VWP permit was based have materially and substantially changed, or special studies conducted by the board or the permittee show material and substantial change, since the time the VWP permit was issued and thereby constitute cause for VWP permit modification or revocation and reissuance.

J. Compliance with State and Federal Law

As to the permitted activity, compliance with a VWP permit constitutes compliance with the VWP permit requirements of the Law and regulations.

K. Severability

The provisions of this VWP permit are severable.

L. Oil and Hazardous Substance Liability

Nothing in this VWP permit shall be construed to preclude the institution of legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under § 311 of the Clean Water Act or §§ 62.1-44.34:14 through 62.1-44.34:23 of the State Water Control Law.

M. Unauthorized Discharge of Pollutants

Except in compliance with a VWP permit, unless the activity is otherwise exempted or excluded, no person shall dredge, fill, or discharge any pollutant into, or adjacent to surface waters; withdraw surface water; otherwise alter the physical, chemical, or biological properties of state waters regulated under this chapter and make them detrimental to the public health, to animal or aquatic life, or to the uses of such waters for domestic or industrial consumption, for recreation, or for other uses; excavate in wetlands; or on or after October 1, 2001, conduct the following activities in a wetland:

1. New activities to cause draining that significantly alters or degrades existing wetland acreage or functions;

2. Filling or dumping;

3. Permanent flooding or impounding; or

4. New activities that cause significant alteration or degradation of existing wetland acreage or functions.

APPENDIX 1

Table 1 - Stream Impacts

Assigned VWP Number	Stream ID	NHD Stream Name	County	Latitude	Longitude	Flow Regime	HUC 8	Impact Type	Temporary Impacts (linear ft)	Permanent Fill Impacts (linear ft)	Temporary Impact Area (square feet)	Permanent Impact Area (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number (MVP)
1	S-Q12	UNT to Kimballton Branch	Giles	37.375311	-80.680878	Ephemeral	05050002	Pipeline ROW	86	-	344	-	4-531	G-001
2	S-Q13	Kimballton Branch	Giles	37.374377	-80.682038	Perennial	05050002	Pipeline ROW	90	-	1350	-	4-532	G-002
3	S-P6	UNT to Stony Creek	Giles	37.362202	-80.688092	Ephemeral	05050002	Pipeline ROW	78	-	466	-	4-535	G-003
4	S-S5-Braid-2	Stony Creek	Giles	37.360325	-80.684214	Ephemeral	05050002	Timber Mat Crossing	20	-	122	-	4-536	G-004
5	S-S5-Braid-1	Stony Creek	Giles	37.360276	-80.684193	Ephemeral	05050002	Timber Mat Crossing	20	-	139	-	4-536	G-004
6	S-S5	Stony Creek	Giles	37.360071	-80.68396	Perennial	05050002	Timber Mat Crossing	40	-	802	-	4-536	G-004
7	S-G29	UNT to Dry Branch	Giles	37.35043	-80.658259	Ephemeral	05050002	Pipeline ROW	30	-	122	-	4-541	G-005
8	S-G30	UNT to Dry Branch	Giles	37.350373	-80.65823	Ephemeral	05050002	Pipeline ROW	85	-	680	-	4-541	G-005
9	S-G32	Dry Branch	Giles	37.349095	-80.65204	Intermittent	05050002	Pipeline ROW	110	-	662	-	4-542	G-006
10	S-G33	UNT to Dry Branch	Giles	37.348641	-80.647225	Perennial	05050002	Pipeline ROW	99	-	793	-	4-542	G-007
11	S-G35	UNT to Little Stony Creek	Giles	37.344876	-80.633426	Perennial	05050002	Timber Mat Crossing	25	-	501	-	4-544	G-009
12	S-SS4	UNT to Little Stony Creek	Giles	37.344859	-80.631295	Ephemeral	05050002	Timber Mat Crossing	20	-	61	-	4-544	G-010
13	S-G35	UNT to Little Stony Creek	Giles	37.344779	-80.633379	Perennial	05050002	Timber Mat Crossing	25	-	501	-	4-544	G-009
14	S-Z7	UNT to Little Stony Creek	Giles	37.344278	-80.626185	Intermittent	05050002	Timber Mat Crossing	20	-	61	-	4-545	G-012
15	S-Z7-Braid-1	UNT to Little Stony Creek	Giles	37.344277	-80.626113	Ephemeral	05050002	Timber Mat Crossing	20	-	61	-	4-545	G-012
16	S-Z9	UNT to Little Stony Creek	Giles	37.344163	-80.6284	Perennial	05050002	Timber Mat Crossing	20	-	78	-	4-544	G-011
17	S-Z10	UNT to Little Stony Creek	Giles	37.342351	-80.620823	Intermittent	05050002	Timber Mat Crossing	20	-	240	-	4-545	G-013
18	S-Z11	UNT to Little Stony Creek	Giles	37.342236	-80.620542	Perennial	05050002	Timber Mat Crossing	20	-	100	-	4-545	G-013
19	S-Z12-EPH	UNT to Little Stony Creek	Giles	37.342214	-80.620312	Ephemeral	05050002	Timber Mat Crossing	20	-	122	-	4-545	G-013
20	S-Z13	Little Stony Creek	Giles	37.342172	-80.62009	Perennial	05050002	Timber Mat Crossing	25	-	501	-	4-545	G-013
21	S-Z14	UNT to Little Stony Creek	Giles	37.340977	-80.618031	Intermittent	05050002	Timber Mat Crossing	20	-	78	-	4-545	G-014
22	S-YZ1	Doe Creek	Giles	37.338952	-80.614618	Intermittent	05050002	Temporary Access Road	102	-	1019	-	4-546	S-YZ1
23	S-A34	UNT to Doe Creek	Giles	37.337763	-80.606008	Ephemeral	05050002	Pipeline ROW	86	-	601	-	4-548	G-015A
24	S-A33	UNT to Doe Creek	Giles	37.337639	-80.605571	Ephemeral	05050002	Pipeline ROW	111	-	775	-	4-548	G-015B
25	S-A32	UNT to Doe Creek	Giles	37.335094	-80.596868	Perennial	05050002	Pipeline ROW	78	-	1250	-	4-549	G-016
26	S-QQ2	Sinking Creek	Craig	37.333152	-80.429438	Perennial	05050002	Temporary Access Road	40	-	1398	-	4-581	S-QQ2
27	S-MN11-Upstream	UNT to Sinking Creek	Giles	37.332869	-80.559168	Ephemeral	05050002	Temporary Access Road	15	-	61	-	4-554	S-MN11-Upstream
28	S-MN11-Upstream	UNT to Sinking Creek	Giles	37.332191	-80.559979	Ephemeral	05050002	Temporary Access Road	30	-	122	-	4-554	S-MN11-Upstream
29	S-MN11-Downstream	UNT to Sinking Creek	Giles	37.332146	-80.560079	Ephemeral	05050002	Temporary Access Road	37	-	183	-	4-554	S-MN11-Downstream
30	S-Y3	UNT to Doe Creek	Giles	37.331748	-80.583355	Ephemeral	05050002	Timber Mat Crossing	20	-	200	-	4-551	G-017
31	S-Y2	Doe Creek	Giles	37.331332	-80.583047	Perennial	05050002	Timber Mat Crossing	25	-	501	-	4-551	G-017
32	S-PP4	UNT to Sinking Creek	Craig	37.328329	-80.42281	Intermittent	05050002	Pipeline ROW	84	-	170	-	4-579	G-033
33	S-PP3	UNT to Sinking Creek	Craig	37.326705	-80.425803	Perennial	05050002	Pipeline ROW	82	-	244	-	4-579	G-032
34	S-RR4	UNT to Sinking Creek	Giles	37.326015	-80.556831	Perennial	05050002	Temporary Access Road	85	-	257	-	4-556	S-RR4
35	S-E24	UNT to Sinking Creek	Giles	37.325728	-80.565082	Perennial	05050002	Pipeline ROW	81	-	1620	-	4-553	G-019A
36	S-E25-Downstream	UNT to Sinking Creek	Giles	37.325638	-80.56468	Perennial	05050002	Timber Mat Crossing	20	-	161	-	4-553	G-019B
37	S-E25-Upstream	UNT to Sinking Creek	Giles	37.325607	-80.564373	Perennial	05050002	Pipeline ROW	15	-	148	-	4-553	G-019A
38	S-E25-Downstream	UNT to Sinking Creek	Giles	37.325566	-80.564634	Perennial	05050002	Timber Mat Crossing	20	-	161	-	4-553	G-019B
39	S-PP1	UNT to Sinking Creek	Craig	37.324781	-80.431446	Intermittent	05050002	Pipeline ROW	86	-	257	-	4-578	G-031
40	S-RR5	UNT to Sinking Creek	Giles	37.323702	-80.555627	Perennial	05050002	Pipeline ROW	83	-	832	-	4-555	G-020
41	S-PA07	UNT to Sinking Creek	Giles	37.323533	-80.555257	Intermittent	05050002	Pipeline ROW	115	-	231	-	4-555	G-020
42	S-IJ18-EPH	UNT to Sinking Creek	Giles	37.322737	-80.552396	Ephemeral	05050002	Pipeline ROW	74	-	444	-	4-555	G-020A
43	S-IJ19	UNT to Sinking Creek	Giles	37.322194	-80.553058	Ephemeral	05050002	Temporary Access Road	43	-	170	-	4-555	S-IJ19
44	S-IJ19	UNT to Sinking Creek	Giles	37.321823	-80.55311	Ephemeral	05050002	Temporary Access Road	9	-	35	-	4-555	S-IJ19
45	S-IJ18-INT	UNT to Sinking Creek	Giles	37.321756	-80.553011	Intermittent	05050002	Temporary Access Road	44	-	174	-	4-555	S-IJ18-INT
46	S-PP22	UNT to Craig Creek	Montgomery	37.32109	-80.412831	Intermittent	02080201	Timber Mat Crossing	44	-	174	-	4-584	G-034
47	S-OO12	UNT to Sinking Creek	Giles	37.318956	-80.440648	Ephemeral	05050002	Pipeline ROW	25	-	48	-	4-577	G-030
48	S-OO13	UNT to Sinking Creek	Giles	37.31893	-80.44093	Perennial	05050002	Pipeline ROW	77	-	1542	-	4-577	G-030
49	S-OO14	UNT to Sinking Creek	Giles	37.318647	-80.441619	Perennial	05050002	Pipeline ROW	86	-	344	-	4-577	G-029
50	S-IJ17	UNT to Sinking Creek	Giles	37.318324	-80.54772	Ephemeral	05050002	Pipeline ROW	31	-	248	-	4-558	G-022
51	S-IJ16-b	UNT to Sinking Creek	Giles	37.318246	-80.547711	Ephemeral	05050002	Pipeline ROW	78	-	780	-	4-558	G-022
52	S-PP21	UNT to Craig Creek	Montgomery	37.317187	-80.409235	Perennial	02080201	Timber Mat Crossing	20	-	78	-	4-584	G-035
53	S-PP20	UNT to Craig Creek	Montgomery	37.316523	-80.408646	Perennial	02080201	Timber Mat Crossing	20	-	122	-	4-584	G-036
54	S-RR13	Craig Creek	Montgomery	37.314504	-80.402613	Perennial	02080201	Temporary Access Road	41	-	1433	-	4-585	S-RR13
55	S-HH18	UNT to Craig Creek	Montgomery	37.31391	-80.398683	Perennial	02080201	Timber Mat Crossing	20	-	122	-	4-586	G-039
56	S-RR14	UNT to Craig Creek	Montgomery	37.313615	-80.402521	Ephemeral	02080201	Timber Mat Crossing	20	-	139	-	4-585	G-038
57	S-OO6	Craig Creek	Montgomery	37.313511	-80.404606	Perennial	02080201	Timber Mat Crossing	35	-	701	-	4-585	G-037
58	S-QQ3	UNT to Sinking Creek	Giles	37.311735	-80.532304	Ephemeral	05050002	Temporary Access Road	15	-	30	-	4-560	S-QQ3
59	S-IJ16-a	UNT to Sinking Creek	Giles	37.31173	-80.544091	Ephemeral	05050002	Permanent Access Road	20	-	140	-	4-559	S-IJ16-a
60	S-IJ16-a	UNT to Sinking Creek	Giles	37.31173	-80.544091	Ephemeral	05050002	Permanent Access Road	-	31	-	217	4-559	S-IJ16-a
61	S-NN17	Sinking Creek	Giles	37.311616	-80.515786	Perennial	05050002	Timber Mat Crossing	55	-	1102	-	4-564	G-023
62	S-KL43	UNT to Sinking Creek	Giles	37.307524	-80.466665	Perennial	05050002	Pipeline ROW	75	-	749	-	4-573	G-028
63	S-NN11	UNT to Sinking Creek	Giles	37.305508	-80.467231	Intermittent	05050002	Pipeline ROW	84	-	418	-	4-573	G-027
64	S-NN12	UNT to Sinking Creek	Giles	37.300454	-80.472911	Ephemeral	05050002	Pipeline ROW	88	-	174	-	4-571	G-026
65	S-MN21	UNT to Mill Creek	Montgomery	37.299397	-80.391243	Perennial	03010101	Pipeline ROW	80	-	562	-	4-588	G-040

Table 1 - Stream Impacts														
Assigned VWP Number	Stream ID	NHD Stream Name	County	Latitude	Longitude	Flow Regime	HUC 8	Impact Type	Temporary Impacts (linear ft)	Permanent Fill Impacts (linear ft)	Temporary Impact Area (square feet)	Permanent Impact Area (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number (MVP)
66	S-MM17	UNT to Sinking Creek	Giles	37.298226	-80.480624	Perennial	05050002	Temporary Access Road	49	-	96	-	4-569	S-MM17
67	S-MN22	UNT to Mill Creek	Montgomery	37.297166	-80.386612	Ephemeral	03010101	Pipeline ROW	96	-	192	-	4-589	G-041
68	S-RR2	Greenbriar Branch	Giles	37.296666	-80.494174	Perennial	05050002	Timber Mat Crossing	20	-	161	-	4-567	G-024
69	S-YZ6	UNT to Greenbriar Branch	Giles	37.296612	-80.494165	Intermittent	05050002	Timber Mat Crossing	20	-	122	-	4-567	G-024
70	S-EF62	UNT to Mill Creek	Montgomery	37.296356	-80.375118	Perennial	03010101	Pipeline ROW	76	-	836	-	4-590	G-043
71	S-MM18	UNT to Sinking Creek	Giles	37.296226	-80.481455	Ephemeral	05050002	Pipeline ROW	88	-	440	-	4-569	G-025
72	S-IJ52	UNT to Mill Creek	Montgomery	37.296153	-80.36751	Perennial	03010101	Pipeline ROW	84	-	1346	-	4-591	G-044
73	S-EF65	Mill Creek	Montgomery	37.295743	-80.375921	Intermittent	03010101	Pipeline ROW	152	-	910	-	4-590	G-042
74	S-G36	North Fork Roanoke River	Montgomery	37.268586	-80.313161	Perennial	03010101	Temporary Access Road	26	-	518	-	4-602	S-G36
75	S-G38	UNT to North Fork RoanokeRiver	Montgomery	37.267002	-80.312898	Ephemeral	03010101	Timber Mat Crossing	20	-	61	-	4-603	Crossing complete (NWP-12)
76	S-G40	UNT to North Fork RoanokeRiver	Montgomery	37.264882	-80.307302	Perennial	03010101	Timber Mat Crossing	20	-	61	-	4-603	Crossing complete (NWP-12)
77	S-PP23	UNT to North Fork RoanokeRiver	Montgomery	37.264858	-80.307151	Ephemeral	03010101	Timber Mat Crossing	20	-	48	-	4-604	Crossing complete (NWP-12)
78	S-G39	UNT to North Fork RoanokeRiver	Montgomery	37.264817	-80.308486	Intermittent	03010101	Pipeline ROW	82	-	492	-	4-604	H-001
79	S-MM14	UNT to Flatwoods Branch	Montgomery	37.258717	-80.29321	Ephemeral	03010101	Pipeline ROW	105	-	736	-	4-608	H-003
80	S-MM15	UNT to Flatwoods Branch	Montgomery	37.258673	-80.296446	Intermittent	03010101	Pipeline ROW	82	-	492	-	4-608	H-002
81	S-MM11	UNT to Flatwoods Branch	Montgomery	37.258403	-80.288186	Ephemeral	03010101	Pipeline ROW	80	-	640	-	4-609	H-005
82	S-F15	UNT to Flatwoods Branch	Montgomery	37.258198	-80.286029	Intermittent	03010101	Pipeline ROW	129	-	775	-	4-609	H-006
83	S-MM13	UNT to Flatwoods Branch	Montgomery	37.258176	-80.289222	Ephemeral	03010101	Pipeline ROW	85	-	427	-	4-608	H-004
84	S-F16a/F16b	UNT to Flatwoods Branch	Montgomery	37.257998	-80.284735	Ephemeral	03010101	Pipeline ROW	81	-	244	-	4-609	H-007
85	S-C36	UNT to Flatwoods Branch	Montgomery	37.25726	-80.281611	Intermittent	3010101	Pipeline ROW	96	-	287	-	4-609	H-008
86	S-C36	UNT to Flatwoods Branch	Montgomery	37.257133	-80.281475	Intermittent	3010101	Pipeline ROW	36	-	109	-	4-609	H-008
87	S-MM31	UNT to Flatwoods Branch	Montgomery	37.256959	-80.280329	Ephemeral	03010101	Timber Mat Crossing	20	-	78	-	4-609	H-009
88	S-C29	Flatwoods Branch	Montgomery	37.256387	-80.278021	Ephemeral	03010101	Pipeline ROW	46	-	57	-	4-610	H-010
89	S-C25	UNT to Bradshaw Creek	Montgomery	37.254342	-80.267895	Intermittent	03010101	Pipeline ROW	115	-	344	-	4-611	H-013
90	S-C24	UNT to Bradshaw Creek	Montgomery	37.254135	-80.266743	Intermittent	03010101	Pipeline ROW	108	-	322	-	4-611	H-014
91	S-C21	Bradshaw Creek	Montgomery	37.251791	-80.25899	Perennial	03010101	Timber Mat Crossing	25	-	501	-	4-613	H-015
92	S-NN19	UNT to Roanoke River	Montgomery	37.244319	-80.206995	Intermittent	03010101	Pipeline ROW	76	-	266	-	4-627	H-018
93	S-AB16	UNT to Roanoke River	Montgomery	37.231693	-80.198778	Intermittent	03010101	Timber Mat Crossing	20	-	100	-	4-631	H-020
94	S-I1	UNT to Roanoke River	Montgomery	37.231179	-80.19846	Intermittent	03010101	Timber Mat Crossing	20	-	279	-	4-631	H-020
95	S-CD12b	UNT to South Fork Roanoke River	Montgomery	37.229764	-80.201144	Perennial	03010101	Timber Mat Crossing	20	-	122	-	4-631	H-021
96	S-EF19	UNT to Indian Run	Montgomery	37.216102	-80.19739	Ephemeral	03010101	Pipeline ROW	79	-	396	-	4-634	H-023
97	S-EF20a	UNT to Roanoke River	Montgomery	37.210922	-80.193318	Perennial	03010101	Pipeline ROW	80	-	479	-	4-635	H-024
98	S-MM22	UNT to Roanoke River	Montgomery	37.205284	-80.187282	Perennial	03010101	Pipeline ROW	175	-	2627	-	4-637	H-025
99	S-IJ50	UNT to Roanoke River	Roanoke	37.194064	-80.167933	Perennial	03010101	Pipeline ROW	77	-	1925	-	4-641	H-026
100	S-Y13	UNT to Bottom Creek	Roanoke	37.187687	-80.151146	Intermittent	03010101	Pipeline ROW	85	-	680	-	4-644	H-027
101	S-Y14	UNT to Bottom Creek	Roanoke	37.187568	-80.151049	Perennial	03010101	Pipeline ROW	77	-	1076	-	4-644	H-027
102	S-EF57	UNT to Bottom Creek	Roanoke	37.181736	-80.148948	Intermittent	03010101	Temporary Access Road	42	-	335	-	4-645	S-EF57
103	S-EF55	UNT to Bottom Creek	Roanoke	37.181506	-80.149497	Intermittent	03010101	Pipeline ROW	33	-	266	-	4-645	H-028
104	S-EF34b	UNT to Bottom Creek	Roanoke	37.181385	-80.14914	Perennial	03010101	Pipeline ROW	81	-	810	-	4-645	H-028
105	S-EF33	UNT to Bottom Creek	Roanoke	37.179186	-80.141	Intermittent	03010101	Pipeline ROW	148	-	1333	-	4-647	H-029
106	S-IJ82	UNT to Bottom Creek	Roanoke	37.170458	-80.138216	Intermittent	03010101	Timber Mat Crossing	20	-	301	-	4-648	H-030
107	S-IJ85	UNT to Bottom Creek	Roanoke	37.169474	-80.130356	Perennial	03010101	Temporary Access Road	50	-	401	-	4-650	S-IJ85
108	S-IJ83	UNT to Bottom Creek	Roanoke	37.169211	-80.138258	Intermittent	03010101	Timber Mat Crossing	148	-	741	-	4-649	H-031
109	S-IJ88	Bottom Creek	Roanoke	37.168395	-80.138295	Perennial	03010101	Timber Mat Crossing	30	-	1960	-	4-649	H-031
110	S-IJ84	UNT to Bottom Creek	Roanoke	37.168361	-80.138381	Perennial	03010101	Timber Mat Crossing	35	-	527	-	4-649	H-031
111	S-IJ89	UNT to Bottom Creek	Roanoke	37.165862	-80.139317	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-649	H-032
112	S-IJ90	UNT to Bottom Creek	Roanoke	37.165685	-80.139378	Intermittent	03010101	Timber Mat Crossing	20	-	100	-	4-649	H-032
113	S-KL25	UNT to Mill Creek	Roanoke	37.160173	-80.134799	Intermittent	03010101	Pipeline ROW	82	-	409	-	4-651	H-033
114	S-ST9b	UNT to Mill Creek	Roanoke	37.154424	-80.129179	Perennial	03010101	Timber Mat Crossing	20	-	301	-	4-652	H-040
115	S-KL55	UNT to Mill Creek	Roanoke	37.150009	-80.13246	Perennial	03010101	Timber Mat Crossing	20	-	301	-	4-653	H-042
116	S-IJ12	UNT to Mill Creek	Roanoke	37.148333	-80.133919	Perennial	03010101	Timber Mat Crossing	20	-	261	-	4-653	H-043
117	S-EF44	UNT to Bottom Creek	Roanoke	37.143003	-80.138399	Intermittent	03010101	Timber Mat Crossing	20	-	139	-	4-654	H-044
118	S-IJ43	Mill Creek	Roanoke	37.138636	-80.139715	Perennial	03010101	Timber Mat Crossing	20	-	362	-	4-655	H-045
119	S-Y9	UNT to Mill Creek	Roanoke	37.134576	-80.137649	Intermittent	03010101	Timber Mat Crossing	44	-	174	-	4-656	H-046
120	S-Y7	UNT to Mill Creek	Roanoke	37.134481	-80.137622	Intermittent	03010101	Timber Mat Crossing	32	-	126	-	4-656	H-046
121	S-Y8	UNT to Mill Creek	Roanoke	37.134176	-80.137484	Perennial	03010101	Timber Mat Crossing	20	-	78	-	4-656	H-046
122	S-B22	UNT to Mill Creek	Roanoke	37.128922	-80.133769	Perennial	03010101	Timber Mat Crossing	20	-	78	-	4-659	H-047A
123	S-B23	UNT to Mill Creek	Roanoke	37.128853	-80.13391	Intermittent	03010101	Timber Mat Crossing	14	-	26	-	4-659	H-047A
124	S-B25	UNT to Mill Creek	Roanoke	37.12849	-80.132601	Intermittent	03010101	Timber Mat Crossing	76	-	379	-	4-659	H-48A
125	S-B21	UNT to Mill Creek	Roanoke	37.128484	-80.130943	Perennial	03010101	Pipeline ROW	92	-	366	-	4-659	H-048B
126	S-H1	Green Creek	Franklin	37.127733	-80.116787	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-661	Crossing complete (NWP-12)
127	S-G26	UNT to Green Creek	Franklin	37.127077	-80.111387	Intermittent	03010101	Timber Mat Crossing	20	-	139	-	4-662	Crossing complete (NWP-12)
128	S-G27	UNT to Green Creek	Franklin	37.126962	-80.111052	Perennial	03010101	Timber Mat Crossing	20	-	139	-	4-662	Crossing complete (NWP-12)
129	S-G24	UNT to Green Creek	Franklin	37.126412	-80.121398	Intermittent	03010101	Pipeline ROW	75	-	449	-	4-661	H-051
130	S-G25	UNT to Green Creek	Franklin	37.125398	-80.121401	Intermittent	03010101	Pipeline ROW	42	-	292	-	4-661	H-051

Table 1 - Stream Impacts

Assigned VWP Number	Stream ID	NHD Stream Name	County	Latitude	Longitude	Flow Regime	HUC 8	Impact Type	Temporary Impacts (linear ft)	Permanent Fill Impacts (linear ft)	Temporary Impact Area (square feet)	Permanent Impact Area (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number (MVP)
131	S-RR18	UNT to Green Creek	Franklin	37.125055	-80.113578	Intermittent	03010101	Permanent Access Road	8	-	17	-	4-662	S-RR18
132	S-D11	UNT to North Fork BlackwaterRiver	Franklin	37.124137	-80.086182	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-666	H-054
133	S-D8	North Fork Blackwater River	Franklin	37.123098	-80.074673	Perennial	03010101	Pipeline ROW	78	-	941	-	4-667	H-055
134	S-D12	UNT to North Fork BlackwaterRiver	Franklin	37.121558	-80.085642	Intermittent	03010101	Pipeline ROW	54	-	322	-	4-666	H-053
135	S-D13	UNT to North Fork BlackwaterRiver	Franklin	37.121513	-80.08568	Intermittent	03010101	Pipeline ROW	117	-	466	-	4-666	H-053
136	S-D14	UNT to North Fork Blackwater River	Franklin	37.121473	-80.088457	Intermittent	03010101	Pipeline ROW	234	-	701	-	4-666	H-052
137	S-II4	UNT to North Fork BlackwaterRiver	Franklin	37.115679	-80.0603	Perennial	03010101	Timber Mat Crossing	20	-	301	-	4-670	Crossing complete (NWP-12)
138	S-GH7	UNT to North Fork BlackwaterRiver	Franklin	37.106614	-80.054219	Perennial	03010101	Timber Mat Crossing	20	-	179	-	4-672	Crossing complete (NWP-12)
139	S-GH15	UNT to North Fork BlackwaterRiver	Franklin	37.106177	-80.050105	Intermittent	03010101	Pipeline ROW	75	-	301	-	4-674	H-057
140	S-GH14	UNT to North Fork BlackwaterRiver	Franklin	37.105883	-80.048861	Perennial	03010101	Pipeline ROW	76	-	305	-	4-674	H-056
141	S-GH11	UNT to North Fork BlackwaterRiver	Franklin	37.104707	-80.04622	Intermittent	03010101	Pipeline ROW	77	-	231	-	4-674	H-058
142	S-GH9	UNT to North Fork BlackwaterRiver	Franklin	37.104329	-80.045343	Perennial	03010101	Pipeline ROW	78	-	314	-	4-674	H-059
143	S-RR08	UNT to North Fork BlackwaterRiver	Franklin	37.10329	-80.041868	Ephemeral	03010101	Timber Mat Crossing	20	-	139	-	4-674	H-060
144	S-RR09	UNT to North Fork BlackwaterRiver	Franklin	37.102491	-80.041046	Ephemeral	03010101	Pipeline ROW	77	-	693	-	4-675	H-061
145	S-RR11	UNT to North Fork BlackwaterRiver	Franklin	37.101127	-80.039653	Ephemeral	03010101	Pipeline ROW	77	-	540	-	4-675	H-062
146	S-IJ1	UNT to North Fork BlackwaterRiver	Franklin	37.093062	-80.027724	Perennial	03010101	Pipeline ROW	107	-	1285	-	4-677	H-063
147	S-IJ2	UNT to North Fork BlackwaterRiver	Franklin	37.092891	-80.027593	Intermittent	03010101	Pipeline ROW	40	-	100	-	4-677	H-063
	S-IJ3	UNT to North Fork BlackwaterRiver	Franklin	37.092555	-80.027314	Intermittent	03010101	Timber Mat Crossing	21	-	105	-	4-677	Crossing complete (NWP-12)
148	S-II6	UNT to Little Creek	Franklin	37.092697	-79.978402	Intermittent	03010101	Timber Mat Crossing	20	-	61	-	4-685	Crossing complete (NWP-12)
150	S-GH6	UNT to Little Creek	Franklin	37.092397	-79.983227	Perennial	03010101	Timber Mat Crossing	20	-	61	-	4-684	Crossing complete (NWP-12)
151	S-II12	UNT to Little Creek	Franklin	37.091608	-79.987839	Intermittent	03010101	Timber Mat Crossing	20	-	39	-	4-684	Crossing complete (NWP-12)
152	S-II11	UNT to Little Creek	Franklin	37.091564	-79.988051	Perennial	03010101	Timber Mat Crossing	20	-	78	-	4-684	Crossing complete (NWP-12)
153	S-II8	UNT to Little Creek	Franklin	37.091413	-79.993944	Intermittent	03010101	Timber Mat Crossing	20	-	39	-	4-683	Crossing complete (NWP-12)
154	S-II9	UNT to Little Creek	Franklin	37.091382	-79.99062	Perennial	03010101	Timber Mat Crossing	20	-	401	-	4-683	Crossing complete (NWP-12)
155	S-II7	UNT to Little Creek	Franklin	37.091354	-79.992013	Intermittent	03010101	Timber Mat Crossing	20	-	78	-	4-683	Crossing complete (NWP-12)
156	S-IJ4	UNT to North Fork BlackwaterRiver	Franklin	37.091189	-80.024366	Perennial	03010101	Timber Mat Crossing	20	-	78	-	4-677	Crossing complete (NWP-12)
157	S-KL2	UNT to Little Creek	Franklin	37.090361	-79.996354	Perennial	03010101	Timber Mat Crossing	20	-	74	-	4-682	Crossing complete (NWP-12)
158	S-GH2	UNT to Teels Creek	Franklin	37.090153	-79.953936	Intermittent	03010101	Timber Mat Crossing	20	-	39	-	4-689	Crossing complete (NWP-12)
159	S-GH4	UNT to Teels Creek	Franklin	37.089812	-79.956077	Perennial	03010101	Timber Mat Crossing	20	-	100	-	4-688	I-001A
160	S-GH3	UNT to Teels Creek	Franklin	37.089745	-79.956042	Perennial	03010101	Timber Mat Crossing	20	-	122	-	4-688	I-001A
161	S-IJ10	Little Creek	Franklin	37.089179	-80.005026	Perennial	03010101	Timber Mat Crossing	20	-	61	-	4-681	Crossing complete (NWP-12)
162	S-E29	UNT to Teels Creek	Franklin	37.089178	-79.95011	Perennial	03010101	Pipeline ROW	80	-	640	-	4-689	I-002
163	S-E28	Teels Creek	Franklin	37.089047	-79.9613	Perennial	03010101	Pipeline ROW	82	-	984	-	4-687	I-005B
164	S-E28	Teels Creek	Franklin	37.085247	-79.948057	Perennial	03010101	Pipeline ROW	76	-	910	-	4-690	I-005B
165	S-E28	Teels Creek	Franklin	37.082875	-79.945556	Perennial	03010101	Pipeline ROW	101	-	1211	-	4-690	I-005B
166	S-EF4	UNT to Teels Creek	Franklin	37.078963	-79.941911	Perennial	03010101	Pipeline ROW	80	-	880	-	4-691	I-006
167	S-EF7	UNT to Teels Creek	Franklin	37.074664	-79.941123	Ephemeral	03010101	Timber Mat Crossing	20	-	39	-	4-692	Crossing complete (NWP-12)
168	S-EF7	UNT to Teels Creek	Franklin	37.074636	-79.941336	Ephemeral	03010101	ATWS	22	-	44	-	4-692	Crossing complete (NWP-12)
169	S-EF12	Teels Creek	Franklin	37.073367	-79.939865	Perennial	03010101	Pipeline ROW	79	-	1581	-	4-692	I-007
170	S-MM42	UNT to Teels Creek	Franklin	37.070703	-79.937069	Ephemeral	03010101	Pipeline ROW	81	-	161	-	4-693	I-008
171	S-D23	Teels Creek	Franklin	37.070322	-79.931039	Perennial	03010101	Pipeline ROW	92	-	2087	-	4-694	I-010
172	S-D22	UNT to Teels Creek	Franklin	37.070101	-79.929732	Intermittent	03010101	Pipeline ROW	83	-	662	-	4-694	I-011
173	S-D18	UNT to Teels Creek	Franklin	37.069560	-79.926213	Ephemeral	03010101	Pipeline ROW	30	-	61	-	4-694	I-012
174	S-RR15	UNT to Teels Creek	Franklin	37.069542	-79.933892	Perennial	03010101	Timber Mat Crossing	20	-	26	-	4-694	I-009
175	S-D20	UNT to Teels Creek	Franklin	37.069485	-79.92623	Intermittent	03010101	Pipeline ROW	76	-	610	-	4-694	I-012
176	S-EF48	UNT to Blackwater River	Franklin	37.064748	-79.87442	Intermittent	03010101	Pipeline ROW	86	-	170	-	4-705	I-026
177	S-YZ4	UNT to Blackwater River	Franklin	37.064723	-79.87819	Ephemeral	03010101	Pipeline ROW	84	-	253	-	4-704	I-025
178	S-C14	Teels Creek	Franklin	37.063956	-79.921985	Perennial	03010101	Pipeline ROW	90	-	3655	-	4-696	I-013
179	S-YZ5	UNT to Blackwater River	Franklin	37.063464	-79.878281	Ephemeral	03010101	Pipeline ROW	86	-	344	-	4-704	I-024
180	S-KL41	UNT to Blackwater River	Franklin	37.062262	-79.862639	Perennial	03010101	Pipeline ROW	75	-	902	-	4-706	I-027
181	S-KL39	UNT to Blackwater River	Franklin	37.061193	-79.880018	Perennial	03010101	Pipeline ROW	121	-	788	-	4-704	I-023
182	S-C16	UNT to Teels Creek	Franklin	37.060610	-79.921179	Perennial	03010101	Timber Mat Crossing	20	-	301	-	4-696	Crossing complete (NWP-12)
183	S-KL54	UNT to Maggodee Creek	Franklin	37.059535	-79.840624	Perennial	03010101	Pipeline ROW	76	-	758	-	4-710	I-031
184	S-C8	UNT to Blackwater River	Franklin	37.059098	-79.853595	Intermittent	03010101	Pipeline ROW	86	-	431	-	4-708	I-028
185	S-F4	UNT to Blackwater River	Franklin	37.059060	-79.853379	Ephemeral	03010101	Pipeline ROW	82	-	819	-	4-708	I-028
186	S-C17	Teels Creek	Franklin	37.058390	-79.918015	Perennial	03010101	Timber Mat Crossing	30	-	601	-	4-696	I-014
187	S-KL52	UNT to Maggodee Creek	Franklin	37.058165	-79.844877	Ephemeral	03010101	Pipeline ROW	105	-	105	-	4-709	I-030
188	S-S11	UNT to Maggodee Creek	Franklin	37.057776	-79.838583	Perennial	03010101	Temporary Access Road	41	-	453	-	4-710	S-S11
189	S-F8	UNT to Maggodee Creek	Franklin	37.057724	-79.836406	Perennial	03010101	Pipeline ROW	83	-	2492	-	4-710	I-032
190	S-CD6	Little Creek	Franklin	37.057584	-79.913921	Perennial	03010101	Pipeline ROW	77	-	4426	-	4-698	I-015
191	S-HH4	UNT to Maggodee Creek	Franklin	37.056594	-79.835785	Intermittent	03010101	Pipeline ROW	97	-	871	-	4-711	I-033
192	S-KL51	UNT to Blackwater River	Franklin	37.056084	-79.850384	Perennial	03010101	Pipeline ROW	67	-	370	-	4-708	I-029
193	S-KL38	UNT to Blackwater River	Franklin	37.055912	-79.883177	Perennial	03010101	Pipeline ROW	78	-	545	-	4-702	I-022
194	S-C20	UNT to Maggodee Creek	Franklin	37.055193	-79.833881	Ephemeral	03010101	Timber Mat Crossing	20	-	78	-	4-711	I-034
195	S-C19	Maggodee Creek	Franklin	37.055147	-79.830098	Perennial	03010101	Pipeline ROW	75	-	3006	-	4-711	I-035

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196	S-KL36	UNT to Blackwater River	Franklin	37.053336	-79.884604	Perennial	03010101	Timber Mat Crossing	20	-	148	-	4-702	I-021
197	S-F11	Blackwater River	Franklin	37.052843	-79.825711	Perennial	03010101	Pipeline ROW	91	-	6765	-	4-712	I-036
198	S-KL35	UNT to Blackwater River	Franklin	37.052125	-79.886182	Perennial	03010101	Timber Mat Crossing	35	-	87	-	4-702	I-020
199	S-F9b	UNT to Blackwater River	Franklin	37.049238	-79.817223	Perennial	03010101	Pipeline ROW	76	-	1141	-	4-713	I-037
200	S-II2	Little Creek	Franklin	37.049219	-79.908513	Perennial	03010101	Pipeline ROW	76	-	3245	-	4-699	I-018
201	S-F10	UNT to Blackwater River	Franklin	37.048037	-79.813934	Ephemeral	03010101	Timber Mat Crossing	20	-	179	-	4-713	I-038
202	S-CD1	UNT to Blackwater River	Franklin	37.047765	-79.897636	Perennial	03010101	Pipeline ROW	104	-	366	-	4-701	I-019
203	S-F9a	UNT to Blackwater River	Franklin	37.047172	-79.813	Intermittent	03010101	Timber Mat Crossing	20	-	301	-	4-713	I-039
204	S-MM29	UNT to Maple Branch	Franklin	37.043871	-79.822898	Perennial	03010101	Temporary Access Road	42	-	632	-	4-714	S-MM29
205	S-MM23	Maple Branch	Franklin	37.043854	-79.822974	Perennial	03010101	Temporary Access Road	78	-	1559	-	4-714	S-MM23
206	S-GG4	UNT to Blackwater River	Franklin	37.042742	-79.809015	Ephemeral	03010101	Timber Mat Crossing	20	-	200	-	4-716	I-040
207	S-A36	UNT to Foul Ground Creek	Franklin	37.037916	-79.804237	Ephemeral	03010101	Pipeline ROW	77	-	309	-	4-717	I-041
208	S-A38	UNT to Foul Ground Creek	Franklin	37.036271	-79.799442	Intermittent	03010101	Timber Mat Crossing	30	-	270	-	4-718	I-042
209	S-A40	UNT to Foul Ground Creek	Franklin	37.036173	-79.79924	Intermittent	03010101	Timber Mat Crossing	13	-	74	-	4-718	I-042
210	S-A41	Foul Ground Creek	Franklin	37.031714	-79.788213	Perennial	03010101	Pipeline ROW	76	-	910	-	4-720	I-043A
211	S-GH36	UNT to Foul Ground Creek	Franklin	37.031063	-79.778588	Intermittent	03010101	Timber Mat Crossing	20	-	61	-	4-721	I-044A
212	S-KL17	UNT to Foul Ground Creek	Franklin	37.031011	-79.778435	Intermittent	03010101	Timber Mat Crossing	20	-	100	-	4-721	I-044A
213	S-GH37	UNT to Foul Ground Creek	Franklin	37.030974	-79.77819	Intermittent	03010101	Pipeline ROW	46	-	139	-	4-721	I-044A
214	S-GH38	UNT to Foul Ground Creek	Franklin	37.030972	-79.778083	Intermittent	03010101	Pipeline ROW	7	-	22	-	4-721	I-044A
215	S-GH39	UNT to Foul Ground Creek	Franklin	37.030861	-79.778069	Intermittent	03010101	Pipeline ROW	103	-	414	-	4-721	I-044B
216	S-GH40	UNT to Foul Ground Creek	Franklin	37.028893	-79.774785	Ephemeral	03010101	Pipeline ROW	89	-	266	-	4-721	I-045
217	S-GH44	UNT to Foul Ground Creek	Franklin	37.028392	-79.773359	Perennial	03010101	Timber Mat Crossing	103	-	619	-	4-721	I-046
218	S-G22	UNT to Poplar Camp Creek	Franklin	37.019612	-79.761958	Perennial	03010101	Pipeline ROW	80	-	958	-	4-723	I-047
219	S-G23	UNT to Poplar Camp Creek	Franklin	37.019526	-79.762002	Intermittent	03010101	Pipeline ROW	42	-	126	-	4-723	I-047
220	S-G21	UNT to Poplar Camp Creek	Franklin	37.019359	-79.761643	Intermittent	03010101	Pipeline ROW	54	-	161	-	4-723	I-047
221	S-G20	Poplar Camp Creek	Franklin	37.017364	-79.76	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-724	I-048
222	S-G18	UNT to Blackwater River	Franklin	37.009236	-79.754238	Intermittent	03010101	Pipeline ROW	81	-	161	-	4-725	I-049
223	S-G17	UNT to Blackwater River	Franklin	37.005496	-79.752655	Ephemeral	03010101	Timber Mat Crossing	20	-	100	-	4-726	Crossing complete (NWP-12)
224	S-E18	UNT to Blackwater River	Franklin	37.001271	-79.747749	Perennial	03010101	Pipeline ROW	94	-	658	-	4-727	I-050
225	S-E17	UNT to Blackwater River	Franklin	37.000529	-79.74276	Perennial	03010101	Pipeline ROW	95	-	758	-	4-727	I-051
226	S-E14	UNT to Blackwater River	Franklin	36.995814	-79.735144	Perennial	03010101	Pipeline ROW	82	-	1638	-	4-728	I-052
227	S-H38	UNT to Jacks Creek	Franklin	36.989430	-79.722366	Perennial	03010101	Timber Mat Crossing	20	-	240	-	4-730	I-053
228	S-H32	UNT to Jacks Creek	Franklin	36.988273	-79.708199	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-732	I-057
229	S-H37	UNT to Jacks Creek	Franklin	36.988031	-79.71745	Ephemeral	03010101	Pipeline ROW	82	-	492	-	4-731	I-054
230	S-H34	UNT to Jacks Creek	Franklin	36.988009	-79.711881	Perennial	03010101	Timber Mat Crossing	20	-	61	-	4-732	I-056
231	S-H36	UNT to Jacks Creek	Franklin	36.988008	-79.714922	Perennial	03010101	Timber Mat Crossing	20	-	61	-	4-731	I-055
232	S-H30	UNT to Jacks Creek	Franklin	36.987961	-79.702711	Intermittent	03010101	Pipeline ROW	4	-	4	-	4-734	W-H11
233	S-A18	UNT to Jacks Creek	Franklin	36.987818	-79.700634	Intermittent	03010101	Pipeline ROW	87	-	227	-	4-734	I-059
234	S-A19/H26	UNT to Jacks Creek	Franklin	36.987719	-79.698901	Intermittent	03010101	Pipeline ROW	212	-	1485	-	4-734	I-060A
235	S-A20	UNT to Jacks Creek	Franklin	36.987715	-79.698555	Perennial	03010101	Timber Mat Crossing	20	-	139	-	4-734	I-060B
236	S-H28	UNT to Jacks Creek	Franklin	36.985174	-79.692272	Ephemeral	03010101	Pipeline ROW	16	-	96	-	4-735	I-061B
237	S-H27	UNT to Jacks Creek	Franklin	36.985124	-79.692272	Ephemeral	03010101	Pipeline ROW	36	-	362	-	4-735	I-061B
238	S-A22	UNT to Jacks Creek	Franklin	36.984846	-79.69187	Intermittent	03010101	Timber Mat Crossing	20	-	161	-	4-735	I-061A
239	S-MM44	UNT to Little Jacks Creek	Franklin	36.982507	-79.687818	Perennial	03010101	Timber Mat Crossing	20	-	78	-	4-735	I-062
240	S-MM46	UNT to Little Jacks Creek	Franklin	36.982240	-79.6875	Intermittent	03010101	Timber Mat Crossing	9	-	26	-	4-735	S-MM46
241	S-MM45	UNT to Little Jacks Creek	Franklin	36.981971	-79.686901	Ephemeral	03010101	Timber Mat Crossing	33	-	131	-	4-735	S-MM45
242	S-MM48	UNT to Little Jacks Creek	Franklin	36.979223	-79.684192	Perennial	03010101	Timber Mat Crossing	25	-	174	-	4-736	I-063
243	S-H25	Little Jacks Creek	Franklin	36.978529	-79.682186	Perennial	03010101	Timber Mat Crossing	20	-	139	-	4-736	I-064
244	S-H24	UNT to Little Jacks Creek	Franklin	36.978025	-79.680682	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-736	I-065
245	S-H23	UNT to Turkey Creek	Franklin	36.976421	-79.677525	Ephemeral	03010101	Pipeline ROW	92	-	462	-	4-738	I-066
246	S-HH1	UNT to Turkey Creek	Franklin	36.974647	-79.674453	Ephemeral	03010101	Pipeline ROW	18	-	91	-	4-738	S-HH1
247	S-A13	Turkey Creek	Franklin	36.973282	-79.673075	Perennial	03010101	Timber Mat Crossing	20	-	161	-	4-738	I-067
248	S-A11	UNT to Turkey Creek	Franklin	36.973237	-79.669898	Ephemeral	03010101	Pipeline ROW	55	-	166	-	4-740	S-A11
249	S-H17	Dinner Creek	Franklin	36.972125	-79.662987	Intermittent	03010101	Pipeline ROW	101	-	806	-	4-741	I-069B
250	S-A7	UNT to Dinner Creek	Franklin	36.972032	-79.662504	Perennial	03010101	Timber Mat Crossing	20	-	122	-	4-741	I-069A
251	S-SS8	Polecat Creek	Franklin	36.970904	-79.65737	Perennial	03010101	Timber Mat Crossing	20	-	161	-	4-741	I-070
252	S-CD8	UNT to Owens Creek	Franklin	36.970522	-79.653726	Intermittent	03010101	Pipeline ROW	78	-	353	-	4-742	I-071
253	S-AB8	UNT to Owens Creek	Franklin	36.970133	-79.651328	Intermittent	03010101	Pipeline ROW	84	-	335	-	4-742	I-078
254	S-DD3	Owens Creek	Franklin	36.969118	-79.645042	Intermittent	03010101	Timber Mat Crossing	20	-	301	-	4-743	I-073
255	S-G16	Strawfield Creek	Franklin	36.968640	-79.642174	Perennial	03010101	Timber Mat Crossing	30	-	601	-	4-743	I-074
256	S-G15	UNT to Parrot Branch	Franklin	36.967711	-79.63659	Intermittent	03010101	Pipeline ROW	88	-	793	-	4-744	I-075
257	S-G13	Parrot Branch	Franklin	36.967025	-79.630747	Perennial	03010101	Timber Mat Crossing	20	-	161	-	4-744	I-076
258	S-D3	UNT to Jonnikin Creek	Pittsylvania	36.965631	-79.605542	Perennial	03010101	Timber Mat Crossing	20	-	200	-	4-747	I-078
259	S-D4	UNT to Jonnikin Creek	Pittsylvania	36.965600	-79.604894	Intermittent	03010101	Pipeline ROW	105	-	632	-	4-747	I-079
260	S-D2	Jonnikin Creek	Pittsylvania	36.965405	-79.59913	Perennial	03010101	Timber Mat Crossing	20	-	362	-	4-748	I-080

Table 1 - Stream Impacts														
Assigned VWP Number	Stream ID	NHD Stream Name	County	Latitude	Longitude	Flow Regime	HUC 8	Impact Type	Temporary Impacts (linear ft)	Permanent Fill Impacts (linear ft)	Temporary Impact Area (square feet)	Permanent Impact Area (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number (MVP)
261	S-D7	UNT to Jonnikin Creek	Franklin	36.964763	-79.617043	Intermittent	03010101	Pipeline ROW	80	-	640	-	4-746	I-077
262	S-D1-EPH	UNT to Jonnikin Creek	Pittsylvania	36.964430	-79.595691	Ephemeral	03010101	Pipeline ROW	61	-	610	-	4-748	I-081
263	S-D1-INT	UNT to Jonnikin Creek	Pittsylvania	36.964407	-79.595841	Intermittent	03010101	Pipeline ROW	29	-	292	-	4-748	I-081
264	S-G11	UNT to Jonnikin Creek	Pittsylvania	36.962420	-79.5905	Intermittent	03010101	Pipeline ROW	77	-	462	-	4-749	I-082
265	S-G9	UNT to Jonnikin Creek	Pittsylvania	36.959361	-79.586437	Intermittent	03010101	Pipeline ROW	79	-	318	-	4-751	I-083
266	S-G8	UNT to Jonnikin Creek	Pittsylvania	36.957805	-79.583545	Intermittent	03010101	Pipeline ROW	90	-	362	-	4-751	I-084A
267	S-Q15	UNT to Jonnikin Creek	Pittsylvania	36.957580	-79.583492	Ephemeral	03010101	Pipeline ROW	103	-	514	-	4-751	I-084B
268	S-A6	UNT to Rocky Creek	Pittsylvania	36.952275	-79.58046	Perennial	03010101	Timber Mat Crossing	20	-	100	-	4-750	I-085
269	S-H11-Braid	UNT to Rocky Creek	Pittsylvania	36.949615	-79.579553	Ephemeral	03010101	Pipeline ROW	85	-	170	-	4-750	S-H11-Braid
270	S-F2	UNT to Rocky Creek	Pittsylvania	36.944049	-79.571442	Ephemeral	03010101	Timber Mat Crossing	20	-	139	-	4-753	I-086
271	S-C7	UNT to Rocky Creek	Pittsylvania	36.944016	-79.571517	Perennial	03010101	Timber Mat Crossing	20	-	401	-	4-753	I-086
272	S-C3	Harpen Creek	Pittsylvania	36.929762	-79.526109	Perennial	03010101	Timber Mat Crossing	20	-	362	-	4-758	I-087
273	S-C4	UNT to Harpen Creek	Pittsylvania	36.929745	-79.52629	Perennial	03010101	Timber Mat Crossing	58	-	231	-	4-758	I-087
274	S-H13	Harpen Creek	Pittsylvania	36.925105	-79.51735	Perennial	03010101	Pipeline ROW	77	-	1542	-	4-759	I-088
275	S-G6	UNT to Harpen Creek	Pittsylvania	36.920737	-79.505898	Intermittent	03010101	Pipeline ROW	80	-	479	-	4-761	I-089
276	S-G5	UNT to Harpen Creek	Pittsylvania	36.917694	-79.496604	Ephemeral	03010101	Pipeline ROW	77	-	462	-	4-762	I-090
277	S-G4	Harpen Creek	Pittsylvania	36.916463	-79.492669	Perennial	03010101	Timber Mat Crossing	30	-	601	-	4-762	I-091
278	S-G3	UNT to Harpen Creek	Pittsylvania	36.915658	-79.490029	Perennial	03010101	Timber Mat Crossing	20	-	179	-	4-762	I-092
279	S-CC16	UNT to Harpen Creek	Pittsylvania	36.913003	-79.487838	Perennial	03010101	Timber Mat Crossing	20	-	222	-	4-763	I-093
280	S-CC14	UNT to Cherrystone Creek	Pittsylvania	36.905329	-79.471492	Intermittent	03010105	Timber Mat Crossing	20	-	161	-	4-765	I-094
281	S-CC13	UNT to Cherrystone Creek	Pittsylvania	36.905307	-79.471574	Intermittent	03010105	Timber Mat Crossing	20	-	139	-	4-765	I-094
282	S-MM8	UNT to Cherrystone Creek	Pittsylvania	36.902991	-79.46822	Perennial	03010105	Timber Mat Crossing	20	-	122	-	4-766	I-095
283	S-CC15	UNT to Cherrystone Creek	Pittsylvania	36.901941	-79.466535	Perennial	03010105	Timber Mat Crossing	20	-	122	-	4-766	I-096
284	S-CC8	UNT to Cherrystone Creek	Pittsylvania	36.899437	-79.462685	Intermittent	03010105	Timber Mat Crossing	20	-	161	-	4-766	I-097
285	S-CC5	UNT to Cherrystone Creek	Pittsylvania	36.899411	-79.462483	Perennial	03010105	Timber Mat Crossing	20	-	240	-	4-766	I-097
286	S-CC5	UNT to Cherrystone Creek	Pittsylvania	36.899248	-79.462396	Perennial	03010105	Timber Mat Crossing	54	-	649	-	4-766	I-097
287	S-CC9	UNT to Cherrystone Creek	Pittsylvania	36.897740	-79.458046	Ephemeral	03010105	Pipeline ROW	81	-	444	-	4-767	I-098
288	S-CC10	UNT to Cherrystone Creek	Pittsylvania	36.897315	-79.456119	Intermittent	03010105	Pipeline ROW	78	-	701	-	4-767	I-099
289	S-MM10	UNT to Cherrystone Creek	Pittsylvania	36.895915	-79.45296	Intermittent	03010105	Pipeline ROW	9	-	61	-	4-768	I-100
290	S-CC11	UNT to Cherrystone Creek	Pittsylvania	36.895808	-79.45292	Perennial	03010105	Pipeline ROW	87	-	697	-	4-768	I-100
291	S-CC1	Cherrystone Creek	Pittsylvania	36.894043	-79.445744	Perennial	03010105	Pipeline ROW	82	-	1228	-	4-769	I-101B
292	S-CC3	UNT to Cherrystone Creek	Pittsylvania	36.893727	-79.444763	Ephemeral	03010105	Pipeline ROW	91	-	727	-	4-769	I-102
293	S-P5	UNT to Cherrystone Creek	Pittsylvania	36.892751	-79.440053	Ephemeral	03010105	Timber Mat Crossing	20	-	100	-	4-769	I-103
294	S-IJ35-EPH	UNT to Pole Bridge Branch	Pittsylvania	36.891451	-79.433781	Ephemeral	03010105	Pipeline ROW	171	-	684	-	4-770	I-104
295	S-Q4	UNT to Pole Bridge Branch	Pittsylvania	36.886114	-79.430914	Perennial	03010105	Timber Mat Crossing	20	-	100	-	4-771	I-105
296	S-Q3	Pole Bridge Branch	Pittsylvania	36.884444	-79.42822	Perennial	03010105	Pipeline ROW	75	-	1873	-	4-771	I-106B
297	S-Q2	UNT to Pole Bridge Branch	Pittsylvania	36.884284	-79.427914	Perennial	03010105	Timber Mat Crossing	20	-	139	-	4-771	I-106A
298	S-B6	UNT to Pole Bridge Branch	Pittsylvania	36.879063	-79.420189	Ephemeral	03010105	Pipeline ROW	84	-	841	-	4-772	I-108
299	S-B8	UNT to Pole Bridge Branch	Pittsylvania	36.877937	-79.417992	Intermittent	03010105	Pipeline ROW	82	-	327	-	4-773	I-109
300	S-B9	UNT to Pole Bridge Branch	Pittsylvania	36.877416	-79.416255	Perennial	03010105	Pipeline ROW	78	-	545	-	4-773	I-110
301	S-DD4-Braid-1	UNT to Mill Creek	Pittsylvania	36.871651	-79.404061	Intermittent	03010105	Pipeline ROW	67	-	401	-	4-775	I-111
302	S-DD4	UNT to Mill Creek	Pittsylvania	36.871478	-79.403907	Intermittent	03010105	Pipeline ROW	147	-	880	-	4-775	I-111
303	S-KL27	UNT to Mill Creek	Pittsylvania	36.866534	-79.400511	Ephemeral	03010105	Pipeline ROW	84	-	83	-	4-776	I-112
304	S-C1	Mill Creek	Pittsylvania	36.863513	-79.397914	Intermittent	03010105	Pipeline ROW	92	-	553	-	4-777	I-113
305	S-G2	Little Cherrystone Creek	Pittsylvania	36.851931	-79.386051	Perennial	03010105	Timber Mat Crossing	20	-	139	-	4-779	I-114
306	S-B2	UNT to Little Cherrystone Creek	Pittsylvania	36.849394	-79.37778	Ephemeral	03010105	Timber Mat Crossing	20	-	100	-	4-780	I-115
307	S-H55	UNT to Little Cherrystone Creek	Pittsylvania	36.843486	-79.369222	Ephemeral	03010105	Timber Mat Crossing	20	-	61	-	4-781	I-116
308	S-H54	UNT to Little Cherrystone Creek	Pittsylvania	36.841112	-79.366848	Perennial	03010105	Timber Mat Crossing	20	-	240	-	4-781	I-117
309	S-GG11	UNT to Little Cherrystone Creek	Pittsylvania	36.841093	-79.366942	Perennial	03010105	Timber Mat Crossing	46	-	366	-	4-781	I-117
310	S-H3	UNT to Little Cherrystone Creek	Pittsylvania	36.834501	-79.360244	Intermittent	03010105	Pipeline ROW	18	-	109	-	4-783	I-118
311	S-H5	UNT to Little Cherrystone Creek	Pittsylvania	36.833412	-79.359823	Perennial	03010105	Pipeline ROW	83	-	662	-	4-783	I-118
312	S-OO1	UNT to Little Cherrystone Creek	Pittsylvania	36.830285	-79.356618	Intermittent	03010105	Pipeline ROW	84	-	418	-	4-783	I-119
313	S-H44	UNT to Little Cherrystone Creek	Pittsylvania	36.829823	-79.346016	Perennial	03010105	Timber Mat Crossing	33	-	266	-	4-785	I-122
314	S-H42	UNT to Little Cherrystone Creek	Pittsylvania	36.828993	-79.344442	Perennial	03010105	Permanent Access Road	-	32	-	224	4-785	S-H42
315	S-H42	UNT to Little Cherrystone Creek	Pittsylvania	36.828958	-79.344315	Perennial	03010105	Timber Mat Crossing	20	-	139	-	4-785	I-123
316	S-OO2	UNT to Little Cherrystone Creek	Pittsylvania	36.828831	-79.353849	Intermittent	03010105	Pipeline ROW	78	-	392	-	4-784	I-120
317	S-EF26	Little Cherrystone Creek	Pittsylvania	36.828207	-79.349814	Perennial	03010105	Timber Mat Crossing	20	-	401	-	4-784	I-121

Note: Grayscale rows indicate timber mat crossings, and one additional temporary workspace (ATWS) completed under NWP-12

Table 2 - Wetland Impacts

Assigned VWP Number	Wetland ID	County	Latitude	Longitude	Cowardin Class	HUC 8	Impact Type	Temporary Impacts (square feet)	Permanent Conversion Impacts (square feet)	Permanent Fill Impacts (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number
318	W-Z11	Giles	37.346591	-80.64171	PEM	05050002	Pipeline ROW	1141	-	-	4-543	G-008
319	W-Z3	Giles	37.342244	-80.62061	PSS	05050002	Timber Mat Crossing	-	592	-	4-545	G-013
320	W-CD12	Giles	37.318644	-80.44172	PEM	05050002	Pipeline ROW	906	-	-	4-577	G-029
321	W-MM10	Giles	37.298219	-80.48062	PEM	05050002	Temporary Access Road	1106	-	-	4-569	S-MM17 - W-MM10
322	W-RR1b	Giles	37.29667	-80.49404	PEM	05050002	Timber Mat Crossing	244	-	-	4-567	G-024
323	W-IJ46-	Montgomery	37.296153	-80.36751	PEM	03010101	Pipeline ROW	1281	-	-	4-591	G-044
324	W-AD4	Montgomery	37.286984	-80.33012	PEM	03010101	Temporary Access Road	301	-	-	4-596	W-AD4-A
325	W-NN6	Montgomery	37.268174	-80.31647	PEM	03010101	Timber Mat Crossing	362	-	-	4-603	Crossing completed (NWP-12)
326	W-F9-PFO	Montgomery	37.258109	-80.28589	PFO	03010101	Pipeline ROW	-	736	-	4-609	H-006
327	W-C12-	Montgomery	37.257265	-80.28167	PEM	03010101	Pipeline ROW	8999	-	-	4-609	H-008
328	W-C12	Montgomery	37.257192	-80.28165	PFO	03010101	Pipeline ROW	-	2278	-	4-609	H-008
329	W-C11	Montgomery	37.257107	-80.28135	PSS	03010101	Pipeline ROW	-	2008	-	4-609	H-008
330	W-C6	Montgomery	37.25586	-80.27572	PEM	03010101	Timber Mat Crossing	605	-	-	4-610	W-C6
331	W-C5	Montgomery	37.255606	-80.27424	PEM	03010101	Pipeline ROW	1978	-	-	4-610	H-012
332	W-AB7	Montgomery	37.231426	-80.19862	PEM	03010101	Timber Mat Crossing	174	-	-	4-631	H-020
333	W-KL58	Montgomery	37.229183	-80.20311	PEM	03010101	Permanent Access Road	-	-	1707	4-631	H-022
334	W-EF5-	Montgomery	37.210948	-80.19336	PFO	03010101	Pipeline ROW	-	3711	-	4-635	H-024
335	W-EF18	Roanoke	37.179449	-80.14067	PSS	03010101	Temporary Access Road	-	227	-	4-647	W-EF18 - W-EF17A
336	W-EF17	Roanoke	37.179402	-80.1406	PFO	03010101	Temporary Access Road	-	976	-	4-647	W-EF18 - W-EF17A
337	W-IJ94-	Roanoke	37.170092	-80.13829	PEM	03010101	Timber Mat Crossing	880	-	-	4-649	H-031
338	W-IJ96-	Roanoke	37.169461	-80.13038	PEM	03010101	Temporary Access Road	701	-	-	4-650	S-IJ85 - W-IJ96-PEM - W-IJ97-A
339	W-IJ95-	Roanoke	37.169068	-80.13828	PSS	03010101	Timber Mat Crossing	-	1106	-	4-649	H-031
340	W-IJ102	Roanoke	37.168289	-80.13838	PFO	03010101	Timber Mat Crossing	-	436	-	4-649	H-031
341	W-KL17	Roanoke	37.160152	-80.13477	PSS	03010101	Pipeline ROW	-	1895	-	4-651	H-033-W-KL17-S-KL25
344	W-EF42	Roanoke	37.157611	-80.13372	PEM	03010101	Pipeline ROW	362	-	-	4-652	H-036
345	W-HS02	Roanoke	37.157427	-80.13341	PEM	03010101	Pipeline ROW	12602	-	-	4-652	H-036
346	W-AB6-	Roanoke	37.156825	-80.132	PEM	03010101	Pipeline ROW	14248	-	-	4-652	H-036
347	W-AB6-	Roanoke	37.156713	-80.13168	PFO	03010101	Pipeline ROW	-	2692	-	4-652	H-036
348	W-AB6-	Roanoke	37.15617	-80.13079	PEM	03010101	Pipeline ROW	2818	-	-	4-652	H-036
349	W-AB6-	Roanoke	37.156034	-80.1306	PSS	03010101	Pipeline ROW	-	266	-	4-652	H-036
350	W-AB5	Roanoke	37.15584	-80.13023	PFO	03010101	Pipeline ROW	-	183	-	4-652	H-036
351	W-AB3-	Roanoke	37.155664	-80.12957	PEM	03010101	Pipeline ROW	6739	-	-	4-652	H-036
352	W-EF46	Roanoke	37.154575	-80.12912	PSS	03010101	Timber Mat Crossing	-	2971	-	4-652	H-40
353	W-KL48-	Roanoke	37.152292	-80.13002	PSS	03010101	Pipeline ROW	-	1978	-	4-653	H-41
354	W-KL48-	Roanoke	37.151965	-80.13005	PEM	03010101	Pipeline ROW	274	-	-	4-653	W-KL48-PEM
355	W-KL48-	Roanoke	37.150926	-80.13127	PSS	03010101	Pipeline ROW	-	1150	-	4-653	W-KL48-PSS-2, W-KL50
356	W-KL50	Roanoke	37.150728	-80.13154	PEM	03010101	Pipeline ROW	1777	-	-	4-653	W-KL48-PSS-2, W-KL50
357	W-KL49	Roanoke	37.150297	-80.13219	PEM	03010101	Timber Mat Crossing	662	-	-	4-653	H-042
358	W-KL51-	Roanoke	37.150006	-80.1324	PEM	03010101	Timber Mat Crossing	274	-	-	4-653	H-042
359	W-KL51-	Roanoke	37.149975	-80.13248	PSS	03010101	Timber Mat Crossing	-	348	-	4-653	H-042
360	W-MN7-	Roanoke	37.148328	-80.1339	PEM	03010101	Timber Mat Crossing	505	-	-	4-653	H-043
361	W-EF44	Roanoke	37.142977	-80.13832	PEM	03010101	Timber Mat Crossing	370	-	-	4-654	H-044
362	W-IJ36	Roanoke	37.138922	-80.13985	PSS	03010101	Timber Mat Crossing	-	5388	-	4-655	H-045
363	W-Z7	Roanoke	37.136601	-80.12822	PSS	03010101	Temporary Access Road	-	13	-	4-657	W-Z7 - W-Z6-A
364	W-Z6	Roanoke	37.136466	-80.12824	PFO	03010101	Temporary Access Road	-	122	-	4-657	W-Z7 - W-Z6-A
365	W-IJ62	Roanoke	37.135529	-80.13404	PEM	03010101	Temporary Access Road	4	-	-	4-656	W-IJ62
366	W-Y2	Roanoke	37.134284	-80.13745	PEM	03010101	Timber Mat Crossing	823	-	-	4-656	H-046
367	W-IJ10	Roanoke	37.132561	-80.13174	PEM	03010101	Permanent Access Road	87	-	-	4-656	W-IJ10 - W-Q11 - W-KL1-A

Table 2 - Wetland Impacts												
Assigned VWP Number	Wetland ID	County	Latitude	Longitude	Cowardin Class	HUC 8	Impact Type	Temporary Impacts (square feet)	Permanent Conversion Impacts (square feet)	Permanent Fill Impacts (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number
368	W-Q11	Roanoke	37.13247	-80.13164	PEM	03010101	Permanent Access Road	566	-	-	4-656	W-IJ10 - W-Q11 - W-KL1-A
369	W-KL1	Roanoke	37.132456	-80.13146	PEM	03010101	Permanent Access Road	78	-	-	4-656	W-IJ10 - W-Q11 - W-KL1-A
370	W-B25-	Roanoke	37.128942	-80.13377	PEM	03010101	Timber Mat Crossing	405	-	-	4-659	H-047A
371	W-B25-	Roanoke	37.128645	-80.13328	PEM	03010101	Pipeline ROW	8425	-	-	4-659	H-047B-W-B25-PEM-1-W-B25-PEM-1A
372	W-B24-	Roanoke	37.12854	-80.13079	PSS	03010101	Pipeline ROW	-	7131	-	4-659	H-048B
373	W-B24-	Roanoke	37.12853	-80.13106	PEM	03010101	Pipeline ROW	4491	-	-	4-659	H-048B
374	W-B25-	Roanoke	37.128527	-80.13234	PSS	03010101	Timber Mat Crossing	-	3615	-	4-659	H-048
375	W-B25-	Roanoke	37.128449	-80.1328	PEM	03010101	Timber Mat Crossing	610	-	-	4-659	H-048
376	W-B25-	Roanoke	37.128436	-80.13265	PEM	03010101	Timber Mat Crossing	209	-	-	4-659	H-048
377	W-ST2-	Franklin	37.125329	-80.12146	PEM	03010101	Pipeline ROW	4975	-	-	4-661	H-051
378	W-RR4	Franklin	37.125117	-80.11353	PEM	03010101	Permanent Access Road	941	-	-	4-662	W-RR4 - S-RR18 - W-RR3 - W-KL41-A1
379	W-RR3	Franklin	37.124214	-80.11475	PEM	03010101	Permanent Access Road	83	-	-	4-662	W-RR4 - S-RR18 - W-RR3 - W-KL41-A1
380	W-KL41	Franklin	37.123851	-80.1158	PEM	03010101	Permanent Access Road	998	-	-	4-661	W-RR4 - S-RR18 - W-RR3 - W-KL41-A1
381	W-D7-	Franklin	37.121559	-80.08575	PEM	03010101	Pipeline ROW	693	-	-	4-666	H-053
382	W-EF3	Franklin	37.117734	-80.09599	PEM	03010101	Permanent Access Road	1154	-	-	4-665	W-EF3
383	W-IJ1	Franklin	37.092927	-80.02757	PEM	03010101	Pipeline ROW	1812	-	-	4-677	H-063
386	W-GH2	Franklin	37.092404	-79.98318	PSS	03010101	Timber Mat Crossing	-	566	-	4-684	Crossing completed (NWP-12)
387	W-II8	Franklin	37.091357	-79.99201	PEM	03010101	Timber Mat Crossing	383	-	-	4-683	Crossing completed (NWP-12)
388	W-IJ6	Franklin	37.089156	-80.00504	PEM	03010101	Timber Mat Crossing	200	-	-	4-681	Crossing completed (NWP-12)
389	W-E7	Franklin	37.084557	-79.9476	PEM	03010101	Pipeline ROW	9249	-	-	4-690	I-004
390	W-E8	Franklin	37.082843	-79.9461	PEM	03010101	Pipeline ROW	3010	-	-	4-690	I-005
391	W-EF51	Franklin	37.064781	-79.87446	PEM	03010101	Pipeline ROW	579	-	-	4-705	I-026
392	W-KL43b	Franklin	37.059608	-79.84071	PEM	03010101	Pipeline ROW	17	-	-	4-710	I-031
393	W-CD6	Franklin	37.057586	-79.91523	PEM	03010101	Timber Mat Crossing	4069	-	-	4-698	I-016
394	W-CD5	Franklin	37.055438	-79.91062	PFO	03010101	Pipeline ROW	-	4948	-	4-698	I-017
395	W-EF48	Franklin	37.052142	-79.8862	PEM	03010101	Timber Mat Crossing	348	-	-	4-702	I-020
396	W-CD1	Franklin	37.047767	-79.89757	PFO	03010101	Pipeline ROW	-	4818	-	4-701	I-019
397	W-DD1	Franklin	37.031961	-79.78859	PEM	03010101	Pipeline ROW	3541	-	-	4-720	I-043B
398	W-A12-	Franklin	37.031754	-79.7881	PFO	03010101	Pipeline ROW	-	174	-	4-720	I-043A
399	W-A12-	Franklin	37.031643	-79.78811	PEM	03010101	Pipeline ROW	2836	-	-	4-720	I-043A
400	W-GH16	Franklin	37.028394	-79.77324	PFO	03010101	Timber Mat Crossing	-	2862	-	4-722	I-046
401	W-H17	Franklin	36.98939	-79.72209	PFO	03010101	Timber Mat Crossing	-	1607	-	4-730	I-053
402	W-H11	Franklin	36.988077	-79.7028	PEM	03010101	Pipeline ROW	2039	-	-	4-734	I-058
403	W-H16	Franklin	36.988073	-79.71497	PEM	03010101	Timber Mat Crossing	1011	-	-	4-731	I-055
404	W-H14	Franklin	36.988069	-79.71184	PEM	03010101	Timber Mat Crossing	266	-	-	4-732	I-056
405	W-A8	Franklin	36.987947	-79.70084	PEM	03010101	Pipeline ROW	671	-	-	4-734	I-059
406	W-H15	Franklin	36.987938	-79.71483	PSS	03010101	Timber Mat Crossing	-	309	-	4-731	I-055
407	W-H9	Franklin	36.978536	-79.68206	PEM	03010101	Timber Mat Crossing	370	-	-	4-736	I-064
408	W-H6	Franklin	36.972189	-79.66304	PEM	03010101	Pipeline ROW	248	-	-	4-741	I-069B
409	W-D3	Pittsylvania	36.965318	-79.59876	PFO	03010101	Timber Mat Crossing	-	1241	-	4-748	I-080
410	W-MM17	Franklin	36.964731	-79.61707	PEM	03010101	Pipeline ROW	296	-	-	4-746	I-077
411	W-B5	Pittsylvania	36.959293	-79.5862	PEM	03010101	Pipeline ROW	209	-	-	4-751	I-083
412	W-B4-PSS	Pittsylvania	36.957884	-79.58367	PSS	03010101	Pipeline ROW	-	205	-	4-751	I-084A
413	W-C1	Pittsylvania	36.929954	-79.52683	PEM	03010101	Timber Mat Crossing	793	-	-	4-758	W-C1
414	W-H5	Pittsylvania	36.924983	-79.51716	PEM	03010101	Pipeline ROW	9004	-	-	4-759	I-088
415	W-B3	Pittsylvania	36.916508	-79.49236	PEM	03010101	Timber Mat Crossing	57	-	-	4-762	S-G4
416	W-CC2-	Pittsylvania	36.905418	-79.47157	PEM	03010105	Timber Mat Crossing	1185	-	-	4-765	I-094
417	W-MM5	Pittsylvania	36.903012	-79.46819	PSS	03010105	Timber Mat Crossing	-	1699	-	4-766	I-095

Table 2 - Wetland Impacts												
Assigned VWP Number	Wetland ID	County	Latitude	Longitude	Cowardin Class	HUC 8	Impact Type	Temporary Impacts (square feet)	Permanent Conversion Impacts (square feet)	Permanent Fill Impacts (square feet)	Application Figure Number (MVP)	Plan & Profile Drawing Number
418	W-MM9	Pittsylvania	36.894087	-79.44611	PEM	03010105	Timber Mat Crossing	470	-	-	4-769	I-101A
419	W-MM8-	Pittsylvania	36.894034	-79.44549	PEM	03010105	Pipeline ROW	2409	-	-	4-769	I-101B
420	W-MM8-	Pittsylvania	36.89393	-79.44546	PFO	03010105	Pipeline ROW	-	1834	-	4-769	I-101B
421	W-Q2	Pittsylvania	36.884674	-79.42861	PFO	03010105	Pipeline ROW	-	16422	-	4-771	I-106B
422	W-Q1	Pittsylvania	36.883985	-79.42731	PEM	03010105	Pipeline ROW	636	-	-	4-771	I-107
423	W-G2	Pittsylvania	36.851816	-79.38593	PEM	03010105	Timber Mat Crossing	1507	-	-	4-779	I-114
424	W-H1	Pittsylvania	36.836097	-79.3609	PEM	03010105	Pipeline ROW	479	-	-	4-782	I-118-S-H5-W-H3
425	W-EF6	Pittsylvania	36.835004	-79.33913	PFO	03010105	Pipeline ROW	-	2905	-	4-786	I-124
426	W-H2	Pittsylvania	36.834817	-79.36048	PEM	03010105	Pipeline ROW	34791	-	-	4-782	W-H2
427	W-IJ21	Pittsylvania	36.834623	-79.33853	PFO	03010105	Timber Mat Crossing	-	462	-	4-786	W-IJ21
428	W-H3	Pittsylvania	36.833741	-79.36008	PEM	03010105	Pipeline ROW	2217	-	-	4-783	I-118
429	W-MM3	Pittsylvania	36.830361	-79.35663	PSS	03010105	Pipeline ROW	-	1481	-	4-783	I-119
430	W-IJ22-PEI	Pittsylvania	36.82778	-79.35026	PEM	03010105	Timber Mat Crossing	1699	-	-	4-784	I-121
431	W-IJ22-PF(	Pittsylvania	36.827748	-79.3503	PFO	03010105	Timber Mat Crossing	-	3419	-	4-784	I-121
Note: Grayscale rows indicate timber mat crossings completed under NWP-12												

APPENDIX 2

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
1	S-Q12	UNT to Kimballton Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.375311	-80.680878	G-001	4-531
2	S-Q13	Kimballton Branch	Perennial	Dry-Ditch Open-Cut	none, but upstream of wild trout water (Brook Trout, Brown Trout) and TE Water - Stony Creek (Candy Darter)	Brook and Brown Trout: October 1 through March 31; Candy Darter: March 15 through June 30	MVP requested a modification at this site. Without additional information or a change in crossing type, we continue to recommend adherence to the instream work TOYR.		Giles	37.374377	-80.682038	G-002	4-532
3	S-P6	UNT to Stony Creek	Ephemeral	Dry-Ditch Open-Cut	none, but upstream of TE Water - Stony Creek (Candy Darter)	Candy Darter (Stony Creek): March 15 through June 30			Giles	37.362202	-80.688092	G-003	4-535
4	S-S5-Braid-2	Stony Creek	Ephemeral, Ephemeral, Perennial	Conventional Bore	TE Water (Candy Darter)	Candy Darter: March 15 through June 30			Giles	37.360325	-80.684214	G-004	4-536
5	S-S5-Braid-1	Stony Creek	Ephemeral, Ephemeral, Perennial	Conventional Bore	TE Water (Candy Darter)	Candy Darter: March 15 through June 30			Giles	37.360276	-80.684193	G-004	4-536
6	S-S5	Stony Creek	Ephemeral, Ephemeral, Perennial	Conventional Bore	TE Water for Candy Darter	Candy Darter (Stony Creek): March 15 through June 30			Giles	37.360071	-80.68396	G-004	4-536
7	S-G29	UNT to Dry Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.35043	-80.658259	G-005	4-541
8	S-G30	UNT to Dry Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.350373	-80.65823	G-005	4-541
9	S-G32	Dry Branch	Intermittent	Dry-Ditch Open-Cut	none	none			Giles	37.349095	-80.65204	G-006	4-542
10	S-G33	UNT to Dry Branch	Perennial	Dry-Ditch Open-Cut	none	none			Giles	37.348641	-80.647225	G-007	4-542
11	S-G35	UNT to Little Stony Creek	Perennial	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.344876	-80.633426	G-009	4-544
12	S-SS4	UNT to Little Stony Creek	Ephemeral	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.344859	-80.631295	G-010	4-544
13	S-G35	UNT to Little Stony Creek	Perennial	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15			Giles	37.344779	-80.633379	G-009	4-544
14	S-Z7	UNT to Little Stony Creek	Intermittent, Ephemeral	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.344278	-80.626185	G-012	4-545
15	S-Z7-Braid-1	UNT to Little Stony Creek	Intermittent, Ephemeral	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.344277	-80.626113	G-012	4-545
16	S-Z9	UNT to Little Stony Creek	Perennial	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15			Giles	37.344163	-80.6284	G-011	4-544
17	S-Z10	UNT to Little Stony Creek	Intermittent, Perennial, Ephemeral, Wetland	Guided Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.342351	-80.620823	G-013	4-545
18	S-Z11	UNT to Little Stony Creek	Intermittent, Perennial, Ephemeral, Wetland	Guided Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15			Giles	37.342236	-80.620542	G-013	4-545
19	S-Z12-EPH	UNT to Little Stony Creek	Intermittent, Perennial, Ephemeral, Wetland	Guided Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15			Giles	37.342214	-80.620312	G-013	4-545
20	S-Z13	Little Stony Creek	Intermittent, Perennial, Ephemeral, Wetland	Guided Conventional Bore	wild trout water (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15			Giles	37.342172	-80.62009	G-013	4-545

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
21	S-Z14	UNT to Little Stony Creek	Intermittent	Conventional Bore	none, but trib to wild trout water Little Stony Creek (Brook and Rainbow Trout)	**IF ANY INSTREAM WORK, TOYR not necessary if constructed via bore** - Brook and Rainbow Trout: October 1 through May 15	MVP requested a TOYR modification - no TOYR necessary if constructed via bore, so, their request is approved.		Giles	37.340977	-80.618031	G-014	4-545
22	S-YZ1	Doe Creek	Intermittent	Temporary Access Road	none	none			Giles	37.338952	-80.614618	S-YZ1	4-546
23	S-A34	UNT to Doe Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.337763	-80.606008	G-015A	4-548
24	S-A33	UNT to Doe Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.337639	-80.605571	G-015B	4-548
25	S-A32	UNT to Doe Creek	Perennial	Dry-Ditch Open-Cut	none	none			Giles	37.335094	-80.596868	G-016	4-549
26	S-QQ2	Sinking Creek	Perennial	Temporary Access Road	stockable trout water	To ensure avoidance of stocking and/or angling activities, we recommend coordination with our Regional Aquatic Resources Manager, Jeff Williams			Craig	37.333152	-80.429438	S-QQ2	4-581
27	S-MN11-Upstream	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.332869	-80.559168	S-MN11-Upstrea	4-554
28	S-MN11-Upstream	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.332191	-80.559979	S-MN11-Upstrea	4-554
29	S-MN11-Downstream	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.332146	-80.560079	S-MN11-Downst	4-554
30	S-Y3	UNT to Doe Creek	Ephemeral, Perennial	Conventional Bore	none	none			Giles	37.331748	-80.583355	G-017	4-551
31	S-Y2	Doe Creek	Ephemeral, Perennial	Conventional Bore	none	none			Giles	37.331332	-80.583047	G-017	4-551
32	S-PP4	UNT to Sinking Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Craig	37.328329	-80.42281	G-033	4-579
33	S-PP3	UNT to Sinking Creek	Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Craig	37.326705	-80.425803	G-032	4-579
34	S-RR4	UNT to Sinking Creek	Perennial	Temporary Access Road	none	none			Giles	37.326015	-80.556831	S-RR4	4-556
35	S-E24	UNT to Sinking Creek	Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.325728	-80.565082	G-019A	4-553
36	S-E25-Downstream	UNT to Sinking Creek	Perennial	Conventional Bore	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.325638	-80.56468	G-019B	4-553
37	S-E25-Upstream	UNT to Sinking Creek	Perennial	Pipeline ROW	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.325607	-80.564373	G-019A	4-553
38	S-E25-Downstream	UNT to Sinking Creek	Perennial	Conventional Bore	none	none			Giles	37.325566	-80.564634	G-019B	4-553
39	S-PP1	UNT to Sinking Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Craig	37.324781	-80.431446	G-031	4-578
40	S-RR5	UNT to Sinking Creek	Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.323702	-80.555627	G-020	4-555
41	S-PA07	UNT to Sinking Creek	Intermittent	Pipeline ROW	none	none			Giles	37.323533	-80.555257	G-020	4-555
42	S-IJ18-EPH	UNT to Sinking Creek	Ephemeral, Intermittent	Dry-Ditch Open-Cut	none	none			Giles	37.322737	-80.552396	G-020A	4-555
43	S-IJ19	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.322194	-80.553058	S-J119	4-555
44	S-IJ19	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.321823	-80.55311	S-J119	4-555
45	S-IJ18-INT	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.321756	-80.553011	S-IJ18-INT	4-555
46	S-PP22	UNT to Craig Creek	Intermittent	Conventional Bore	none, but upstream of TE Water Craig Creek (James Spinymussels). Upstream of stockable trout water.	**IF instream work, TOYR not necessary if consructed via bore** - James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.32109	-80.412831	G-034	4-584
47	S-OO12	UNT to Sinking Creek	Ephemeral, Perennial	Dry-Ditch Open-Cut	none	none			Giles	37.318956	-80.440648	G-030	4-577

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
48	**S-OO13**	UNT to Sinking Creek	Ephemeral, Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.31893	-80.44093	G-030	4-577
49	**S-OO14**	UNT to Sinking Creek	Wetland, Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.318647	-80.441619	G-029	4-577
50	**S-IJ17**	UNT to Sinking Creek	Ephemeral	Pipeline ROW	none	none			Giles	37.318324	-80.54772	G-022	4-558
51	**S-IJ16-b**	UNT to Sinking Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.318246	-80.547711	G-022	4-558
52	**S-PP21**	UNT to Craig Creek	Perennial	Conventional Bore	none, but upstream of TE Water Craig Creek (James Spinymussels). Upstream of stockable trout water.	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.317187	-80.409235	G-035	4-584
53	**S-PP20**	UNT to Craig Creek	Perennial	Conventional Bore	none, but upstream of TE Water Craig Creek (James Spinymussels). Upstream of stockable trout water.	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.316523	-80.408646	G-036	4-584
54	**S-RR13**	Craig Creek	Perennial	Temporary Access Road	TE Water (James spinymussels)	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.314504	-80.402613	S-RR13	4-585

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
55	S-HH18	UNT to Craig Creek	Perennial	Conventional Bore	none, but upstream of TE Water Craig Creek (James Spinymussels). Upstream of stockable trout water.	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31	MVP requested TOYR modification. MVP requested to work March 1 - May 14. This is not within the recommended TOYR, so that request is approved.	According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.31391	-80.398683	G-039	4-586
56	S-RR14	UNT to Craig Creek	Ephemeral	Conventional Bore	none, but upstream of TE Water Craig Creek (James Spinymussels). Upstream of stockable trout water.	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.313615	-80.402521	G-038	4-585
57	S-OO6	Craig Creek	Perennial	Conventional Bore	TE Water (James spinymussels)	**IF instream work, TOYR and mussel survey not necessary if constructed via bore.** Mussel survey and potential relocation necessary prior to any instream work. TOYR for James Spinymussels: May 15 through July 31		According to the information currently in our files, Craig Creek, which has been designated by the VDWR as a "Threatened and Endangered Species Water" for the James spinymussel is within the submitted project boundary including a 100-foot buffer. Therefore, DCR-DNH recommends coordination with USFWS and VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with protected species legislation.	Montgomery	37.313511	-80.404606	G-037	4-585
58	S-QQ3	UNT to Sinking Creek	Ephemeral	Temporary Access Road	none	none			Giles	37.311735	-80.532304	S-QQ3	4-560
59	S-IJ16-a	UNT to Sinking Creek	Ephemeral	Permanent Access Road	none	none			Giles	37.31173	-80.544091	S-IJ16-a	4-559
60	S-IJ16-a	UNT to Sinking Creek	Ephemeral	Permanent Access Road	none	none			Giles	37.31173	-80.544091	S-IJ16-a	4-559
61	S-NN17	Sinking Creek	Perennial	Conventional Bore	none	none			Giles	37.311616	-80.515786	G-023	4-564
62	S-KL43	UNT to Sinking Creek	Perennial	Dry-Ditch Open-Cut	none	none	MVP asked for TOYR mod, but no TOYR are necessary here anyway, so their request is approved.		Giles	37.307524	-80.466665	G-028	4-573
63	S-NN11	UNT to Sinking Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Giles	37.305508	-80.467231	G-027	4-573
64	S-NN12	UNT to Sinking Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.300454	-80.472911	G-026	4-571
65	S-MN21	UNT to Mill Creek	Perennial	Dry-Ditch Open-Cut	wild trout (Brown Trout)	Brown Trout: October 1 through March 31			Montgomery	37.299397	-80.391243	G-040	4-588
66	S-MM17	UNT to Sinking Creek	Perennial	Temporary Access Road	none	none			Giles	37.298226	-80.480624	S-MM17	4-569
67	S-MN22	UNT to Mill Creek	Ephemeral	Dry-Ditch Open-Cut	none, but upstream of wild trout water (Brown Trout)	Brown Trout: October 1 through March 31			Montgomery	37.297166	-80.386612	G-041	4-589
68	S-RR2	Greenbriar Branch	Perennial, Intermittent, Wetland	Conventional Bore	none	none			Giles	37.296666	-80.494174	G-024	4-567
69	S-YZ6	UNT to Greenbriar Branch	Perennial, Intermittent, Wetland	Conventional Bore	none	none			Giles	37.296612	-80.494165	G-024	4-567
70	S-EF62	UNT to Mill Creek	Perennial	Dry-Ditch Open-Cut	none, but upstream of wild trout water	Brown Trout: October 1 through March 31			Montgomery	37.296356	-80.375118	G-043	4-590
71	S-MM18	UNT to Sinking Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Giles	37.296226	-80.481455	G-025	4-569

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
72	**S-IJ52**	UNT to Mill Creek	Perennial, Wetland	Dry-Ditch Open-Cut	none, but upstream of wild trout water	Brown Trout: October 1 through March 31			Montgomery	37.296153	-80.36751	G-044	4-591
73	**S-EF65**	Mill Creek	**Intermittent**	Dry-Ditch Open-Cut	wild trout water (Brown Trout)	Brown Trout: October 1 through March 31	MVP requested TOYR modification, but without additional information or a change in crossing method, we continue to recommend adherence to the TOYR		Montgomery	37.295743	-80.375921	G-042	4-590
74	**S-G36**	North Fork Roanoke River	Perennial	Temporary Access Road	TE Water (Roanoke Logperch)	Roanoke Logperch: March 15 through June 30	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR		Montgomery	37.268586	-80.313161	S-G36	4-602
78	**S-G39**	UNT to North Fork Roanoke River	Intermittent	Dry-Ditch Open-Cut	none, but upstream of TE Water (Roanoke Logperch)	Roanoke Logperch: March 15 through June 30			Montgomery	37.264817	-80.308486	H-001	4-604
79	**S-MM14**	UNT to Flatwoods Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.258717	-80.29321	H-003	4-608
80	**S-MM15**	UNT to Flatwoods Branch	Intermittent	Dry-Ditch Open-Cut	none	none			Montgomery	37.258673	-80.296446	H-002	4-608
81	**S-MM11**	UNT to Flatwoods Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.258403	-80.288186	H-005	4-609
82	**S-F15**	UNT to Flatwoods Branch	Wetland, Perennial (Intermittent?)	Dry-Ditch Open-Cut	none	none			Montgomery	37.258198	-80.286029	H-006	4-609
83	**S-MM13**	UNT to Flatwoods Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.258176	-80.289222	H-004	4-608
84	**S-F16a/F16b**	UNT to Flatwoods Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.257998	-80.284735	H-007	4-609
85	**S-C36**	UNT to Flatwoods Branch	Intermittent, Wetland	Dry-Ditch Open-Cut	none	none			Montgomery	37.25726	-80.281611	H-008	4-609
86	**S-C36**	UNT to Flatwoods Branch	Intermittent, Wetland	Dry-Ditch Open-Cut	none	none			Montgomery	37.257133	-80.281475	H-008	4-609
87	**S-MM31**	UNT to Flatwoods Branch	Ephemeral	Conventional Bore	none	none			Montgomery	37.256959	-80.280329	H-009	4-609
88	**S-C29**	Flatwoods Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.256387	-80.278021	H-010	4-610
89	**S-C25**	UNT to Bradshaw Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Montgomery	37.254342	-80.267895	H-013	4-611
90	**S-C24**	UNT to Bradshaw Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Montgomery	37.254135	-80.266743	H-014	4-611
91	**S-C21**	Bradshaw Creek	Perennial	Conventional Bore	none	none	MVP requested modification, no TOYR is necessary, so their request is approved		Montgomery	37.251791	-80.25899	H-015	4-613
92	**S-NN19**	UNT to Roanoke River	Intermittent	Dry-Ditch Open-Cut	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.244319	-80.206995	H-018	4-627
93	**S-AB16**	UNT to Roanoke River	Intermittent, Intermittent, Wetland	Conventional Bore	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.231693	-80.198778	H-020	4-631

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
94	**S-I1**	UNT to Roanoke River	Intermittent, Intermittent, Wetland	Conventional Bore	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.231179	-80.19846	H-020	4-631
95	**S-CD12b**	UNT to South Fork Roanoke River	Perennial	Conventional Bore	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.229764	-80.201144	H-021	4-631
96	**S-EF19**	UNT to Indian Run	Ephemeral	Dry-Ditch Open-Cut	none	none			Montgomery	37.216102	-80.19739	H-023	4-634
97	**S-EF20a**	UNT to Roanoke River	Wetland, Perennial	Dry-Ditch Open-Cut	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.210922	-80.193318	H-024	4-635
98	**S-MM22**	UNT to Roanoke River	Perennial	Dry-Ditch Open-Cut	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Montgomery	37.205284	-80.187282	H-025	4-637
99	**S-IJ50**	UNT to Roanoke River	Perennial	Dry-Ditch Open-Cut	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	Roanoke Logperch, Orangefin Madtom: March 15 through June 30			Roanoke	37.194064	-80.167933	H-026	4-641
100	**S-Y13**	UNT to Bottom Creek	Intermittent, Perennial	Dry-Ditch Open-Cut	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.187687	-80.151146	H-027	4-644
101	**S-Y14**	UNT to Bottom Creek	Intermittent, Perennial	Dry-Ditch Open-Cut	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.187568	-80.151049	H-027	4-644
102	**S-EF57**	UNT to Bottom Creek	Intermittent	Temporary Access Road	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31		In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.181736	-80.148948	S-EF57	4-645

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
103	**S-EF55**	UNT to Bottom Creek	Intermittent	Pipeline ROW	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.181506	-80.149497	H-028	4-645
104	**S-EF34b**	UNT to Bottom Creek	Perennial, Intermittent	Dry-Ditch Open-Cut	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.181385	-80.14914	H-028	4-645
105	**S-EF33**	UNT to Bottom Creek	Intermittent	Dry-Ditch Open-Cut	upstream of trout water Bottom Creek	Brook trout: October 1 through March 31	MVP requested TOYR modification but without additional information or a change in crossing menthod, we continue to recommend adherence to the TOYR	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.179186	-80.141	H-029	4-647
106	**S-IJ82**	UNT to Bottom Creek	Intermittent	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.170458	-80.138216	H-030	4-648

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107	**S-IJ16a**	UNT to Bottom Creek	Ephemeral	Permanent Access Road	none but upstream of trout water (Brook Trout)	Brook trout: October 1 through March 31		In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.169474	-80.130356	S-IJ85	4-650
108	**S-IJ83**	UNT to Bottom Creek	Wetlands; Intermittent; Perennials; Wetland	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.169211	-80.138258	H-031	4-649
109	**S-IJ88**	Bottom Creek	Wetlands; Intermittent; Perennials; Wetland	Conventional Bore	wild trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31		In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.168395	-80.138295	H-031	4-649
110	**S-IJ84**	UNT to Bottom Creek	Wetlands; Intermittent; Perennials; Wetland	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.168361	-80.138381	H-031	4-649

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111	**S-IJ89**	UNT to Bottom Creek	Perennial, Intermittent	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.165862	-80.139317	H-032	4-649
112	**S-IJ90**	UNT to Bottom Creek	Perennial, Intermittent	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.165685	-80.139378	H-032	4-649
113	**S-KL25**	UNT to Mill Creek	Wetland; Intermittent	Dry-Ditch Open-Cut	none	none	MVP requested TOYR modificaition. TOYR not necessary here, so their request is approved		Roanoke	37.160173	-80.134799	H-033	4-651
114	**S-ST9b**	UNT to Mill Creek	Wetland; Perennial	Conventional Bore	none	none	MVP requested TOYR modificaition. TOYR not necessary here, so their request is approved		Roanoke	37.154424	-80.129179	H-040	4-652
115	**S-KL55**	UNT to Mill Creek	Intermittent	TImber Mat Crossing	none	none	MVP requested TOYR modificaition. TOYR not necessary here, so their request is approved		Roanoke	37.150009	-80.13246	H-042	4-653
116	**S-IJ12**	UNT to Mill Creek	Wetland; Perennial	Conventional Bore	none	none	MVP requested TOYR modificaition. TOYR not necessary here, so their request is approved		Roanoke	37.148333	-80.133919	H-043	4-653
117	**S-EF44**	UNT to Bottom Creek	Inermittent; Wetland	Conventional Bore	none but upstream of trout water (Brook Trout)	**IF instream work, TOYR not necessary if constructed via bore** - Brook trout: October 1 through March 31	MVP requested TOYR modificaition. TOYR not necessary if constructed via bore, so their request is approved	In addition, Bottom Creek, which has been designated by the VDWR as a Threatened and Endangered Species Water" for the Orangefin madtom is within the submitted project boundary including a 100-foot buffer and DCR-DNH recommends coordination with VDWR, Virginia's regulatory authority for the management and protection of this species to ensure compliance with the Virginia Endangered Species Act (VA ST §§ 29.1-563 – 570).	Roanoke	37.143003	-80.138399	H-044	4-654

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118	**S-IJ43**	Mill Creek	Wetland; Perennial	Conventional Bore	stockable trout water; TE Water for Orangefin Madtom	**If any instream work, TOYR and coordination not necessary if constructed via bore** - Orangefin Madtom: March 15 through June 30; To ensure avoidance of stocking and angling activities, we recommend coordination with our Regional Aquatic Resources Manager, Scott Smith	MVP requested modification of TOYR. TOYR not necessary if constructed via bore, so their request is approved.		Roanoke	37.138636	-80.139715	H-045	4-655
119	**S-Y9**	UNT to Mill Creek	Intermittent	Timber Mat Crossing	none, but upstream of TE Water (Orangefin Madtom)	Orangefin Madtom: March 15 through June 30	MVP requested modification of TOYR. TOYR not necessary here, so their request is approved.		Roanoke	37.134576	-80.137649	H-046	4-656
120	**S-Y7**	UNT to Mill Creek	Intermittent; Wetland; Perennial	Conventional Bore	none, but upstream of TE Water (Orangefin Madtom)	**If any instream work, TOYR not necessary if constructed via bore** - Orangefin Madtom: March 15 through June 30	MVP requested modification of TOYR. TOYR not necessary if constructed via bore, so their request is approved.		Roanoke	37.134481	-80.137622	H-046	4-656
121	**S-Y8**	UNT to Mill Creek	Intermittent; Wetland; Perennial	Conventional Bore	none, but upstream of TE Water (Orangefin Madtom)	**If any instream work, TOYR not necessary if constructed via bore** - Orangefin Madtom: March 15 through June 30	MVP requested modification of TOYR. TOYR not necessary if constructed via bore, so their request is approved.		Roanoke	37.134176	-80.137484	H-046	4-656
122	**S-B22**	UNT to Mill Creek	Perennial	Conventional Bore	none, but upstream of TE Water (Orangefin Madtom)	**If any instream work, TOYR not necessary if constructed via bore** - Orangefin Madtom: March 15 through June 30	MVP requested modification of TOYR. TOYR not necessary if constructed via bore, so their request is approved.		Roanoke	37.128922	-80.133769	H-047A	4-659
123	**S-B23**	UNT to Mill Creek	Intermittent	Timber Mat Crossing	none, but upstream of TE Water (Orangefin Madtom)	Orangefin Madtom: March 15 through June 30	MVP requested TOYR modification. Without additional information or a changed in crossing method, we continue to recommend adherence to the TOYR		Roanoke	37.128853	-80.13391	H-046	4-659
124	**S-B25**	UNT to Mill Creek	Wetland; Intermittent	Conventional Bore	none, but upstream of TE Water (Orangefin Madtom)	**If any instream work, TOYR not necessary if constructed via bore** - Orangefin Madtom: March 15 through June 30	MVP requested modification of TOYR. TOYR not necessary if constructed via bore, so their request is approved.		Roanoke	37.12849	-80.132601	H-048A	4-659
125	**S-B21**	UNT to Mill Creek	Wetlands; Perennial	Dry-Ditch Open-Cut	none, but upstream of TE Water (Orangefin Madtom)	Orangefin Madtom: March 15 through June 30	MVP requested TOYR modification. Without additional information or a changed in crossing method, we continue to recommend adherence to the TOYR		Roanoke	37.128484	-80.130943	H-048B	4-659
129	**S-G24**	UNT to Green Creek	Wetland; Intermittents	Dry-Ditch Open-Cut	none, but upstream of trout water (Brown Trout)	Brown Trout: October 1 through March 31			Franklin	37.126412	-80.121398	H-051	4-661
130	**S-G25**	UNT to Green Creek	Wetland; Intermittents	Dry-Ditch Open-Cut	none, but upstream of trout water (Brown Trout)	Brown Trout: October 1 through March 31			Franklin	37.125398	-80.121401	H-051	4-661
131	**S-RR18**	UNT to Green Creek	Intermittent	Permanent Access Road	none, but upstream of trout water (Brown Trout)	Brown Trout: October 1 through March 31			Franklin	37.125055	-80.113578	S-RR18	4-662
132	**S-D11**	UNT to North Fork Blackwater River	Perennial	Conventional Bore	none	none			Franklin	37.124137	-80.086182	H-054	4-666
133	**S-D8**	North Fork Blackwater River	Perennial	Dry-Ditch Open-Cut	stockable trout water	To ensure avoidance of stocking and/or angling activities, we recommend coordinattion with Scott Smith			Franklin	37.123098	-80.074673	H-055	4-667
134	**S-D12**	UNT to North Fork Blackwater River	Wetland; Intermittents	Dry-Ditch Open-Cut	none	none			Franklin	37.121558	-80.085642	H-053	4-666
135	**S-D13**	UNT to North Fork Blackwater River	Wetland; Intermittents	Dry-Ditch Open-Cut	none	none			Franklin	37.121513	-80.08568	H-053	4-666
136	**S-D14**	UNT to North Fork Blackwater River	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.121473	-80.088457	H-052	4-666
139	**S-GH15**	UNT to North Fork Blackwater River	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.106177	-80.050105	H-056	4-674
140	**S-GH14**	UNT to North Fork Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.105883	-80.048861	H-057	4-674
141	**S-GH11**	UNT to North Fork Blackwater River	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.104707	-80.04622	H-058	4-674

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
142	S-GH9	UNT to North Fork Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.104329	-80.045343	H-059	4-674
143	S-RR08	UNT to North Fork Blackwater River	Ephemeral	Conventional Bore	none	none			Franklin	37.10329	-80.041868	H-060	4-674
144	S-RR09	UNT to North Fork Blackwater River	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.102491	-80.041046	H-061	4-675
145	S-RR11	UNT to North Fork Blackwater River	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.101127	-80.039653	H-062	4-675
146	S-IJ1	UNT to North Fork Blackwater River	Perennial; Wetland; Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.093062	-80.027724	H-063	4-677
147	S-IJ2	UNT to North Fork Blackwater River	Perennial; Wetland; Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.092891	-80.027593	H-063	4-677
159	S-GH4	UNT to Teels Creek	Perennial	Timber Mat Crossing	none	none			Franklin	37.089812	-79.956077	I-001A	4-688
160	S-GH3	UNT to Teels Creek	Perennial	Conventional Bore	none	none			Franklin	37.089745	-79.956042	I-001A	4-688
162	S-E29	UNT to Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.089178	-79.95011	I-002	4-689
163	S-E28	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.089047	-79.9613	I-001	4-687
164	S-E28	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.085247	-79.948057	I-003	4-687
165	S-E28	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.082875	-79.945556	I-005B	4-687
166	S-EF4	UNT to Teels Creek	IPA, TABLE B-1 says Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.078963	-79.941911	I-006	4-691
169	S-EF12	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.073367	-79.939865	I-007	4-692
170	S-MM42	UNT to Teels Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.070703	-79.937069	I-008	4-693
171	S-D23	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.070322	-79.931039	I-010	4-694
172	S-D22	UNT to Teels Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.070101	-79.929732	I-011	4-694
173	S-D18	UNT to Teels Creek	Ephemeral	Pipeline ROW	none	none			Franklin	37.06956	-79.926213	I-012	4-694
174	S-RR15	UNT to Teels Creek	Perennial	Conventional Bore	none	none			Franklin	37.069542	-79.933892	I-009	4-694
175	S-D20	UNT to Teels Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.069485	-79.92623	I-012	4-694
176	S-EF48	UNT to Blackwater River	Intermittent; Wetland	Dry-Ditch Open-Cut	none	none			Franklin	37.064748	-79.87442	I-026	4-705
177	S-YZ4	UNT to Blackwater River	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.064723	-79.87819	I-025	4-704
178	S-C14	Teels Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.063956	-79.921985	I-013	4-696
179	S-YZ5	UNT to Blackwater River	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.063464	-79.878281	I-024	4-704
180	S-KL41	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.062262	-79.862639	I-027	4-706
181	S-KL39	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.061193	-79.880018	I-023	4-704
183	S-KL54	UNT to Maggodee Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.059535	-79.840624	I-031	4-710
184	S-C8	UNT to Blackwater River	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.059098	-79.853595	I-028	4-708
185	S-F4	UNT to Blackwater River	Ephemeral	Pipeline ROW	none	none			Franklin	37.05906	-79.853379	I-031	4-708
186	S-C17	Teels Creek	Perennial	Conventional Bore	none	none			Franklin	37.05839	-79.918015	I-014	4-696
187	S-KL52	UNT to Maggodee Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.058165	-79.844877	I-030	4-709
188	S-S11	UNT to Maggodee Creek	Perennial	Temporary Access Road	none	none			Franklin	37.057776	-79.838583	S-S11	4-710
189	S-F8	UNT to Maggodee Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.057724	-79.836406	I-032	4-710
190	S-CD6	Little Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.057584	-79.913921	I-015	4-698
191	S-HH4	UNT to Maggodee Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.056594	-79.835785	I-033	4-711
192	S-KL51	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.056084	-79.850384	I-029	4-708
193	S-KL38	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.055912	-79.883177	I-022	4-702
194	S-C20	UNT to Maggodee Creek	Ephemeral	Conventional Bore	none	none			Franklin	37.055193	-79.833881	I-034	4-711
195	S-C19	Maggodee Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.055147	-79.830098	I-035	4-711
196	S-KL36	UNT to Blackwater River	Perennial	Conventional Bore	none	none			Franklin	37.053336	-79.884604	I-021	4-702
197	S-F11	Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.052843	-79.825711	I-036	4-712
198	S-KL35	UNT to Blackwater River	Perennial; Wetland	Conventional Bore	none	none			Franklin	37.052125	-79.886182	I-020	4-702

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

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199	S-F9b	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.049238	-79.817223	I-037	4-713
200	S-II2	Little Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.049219	-79.908513	I-018	4-699
201	S-F10	UNT to Blackwater River	Ephemeral	Conventional Bore	none	none			Franklin	37.048037	-79.813934	I-038	4-713
202	S-CD1	UNT to Blackwater River	Perennial; Wetland	Dry-Ditch Open-Cut	none	none			Franklin	37.047765	-79.897636	I-019	4-701
203	S-F9a	UNT to Blackwater River	Intermittent	Conventional Bore	none	none			Franklin	37.047172	-79.813	I-039	4-713
204	S-MM29	UNT to Maple Branch	Perennial	Temporary Access Road	none	none			Franklin	37.043871	-79.822898	S-MM29	4-714
205	S-MM23	Maple Branch	Perennial	Temporary Access Road	none	none			Franklin	37.043854	-79.822974	S-MM23	4-714
206	S-GG4	UNT to Blackwater River	Ephemeral	Conventional Bore	none	none			Franklin	37.042742	-79.809015	I-040	4-716
207	S-A36	UNT to Foul Ground Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.037916	-79.804237	I-041	4-717
208	S-A38	UNT to Foul Ground Creek	Intermittent	Conventional Bore	none	none			Franklin	37.036271	-79.799442	I-042	4-718
209	S-A40	UNT to Foul Ground Creek	Intermittent	Timber Mat Crossing	none	none			Franklin	37.036173	-79.79924	I-042	4-718
210	S-A41	Foul Ground Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.031714	-79.788213	I-043A	4-720
211	S-GH36	UNT to Foul Ground Creek	Intermittents	Conventional Bore	none	none			Franklin	37.031063	-79.778588	I-044A	4-721
212	S-KL17	UNT to Foul Ground Creek	Intermittents	Conventional Bore	none	none			Franklin	37.031011	-79.778435	I-044A	4-721
213	S-GH37	UNT to Foul Ground Creek	Intermittent	Pipeline ROW	none	none			Franklin	37.030974	-79.77819	I-44A	4-721
214	S-GH38	UNT to Foul Ground Creek	Streams, Wetland	Conventional Bore	none	none			Franklin	37.030972	-79.778083	I-046	4-721
215	S-GH39	UNT to Foul Ground Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.030861	-79.778069	I-044B	4-721
216	S-GH40	UNT to Foul Ground Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Franklin	37.028893	-79.774785	I-045	4-721
217	S-GH44	UNT to Foul Ground Creek	Streams, Wetland	Conventional Bore	none	none			Franklin	37.028392	-79.773359	I-046	4-721
218	S-G22	UNT to Poplar Camp Creek	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.019612	-79.761958	I-047	4-723
219	S-G23	UNT to Poplar Camp Creek	Perennial	Conventional Bore	none	none			Franklin	37.019526	-79.762002	I-092	4-723
220	S-G21	UNT to Poplar Camp Creek	Intermittent	Pipeline ROW	none	none			Franklin	37.019359	-79.761643	I-047	4-723
221	S-G20	Poplar Camp Creek	Perennial	Conventional Bore	none	none			Franklin	37.017364	-79.76	I-048	4-724
222	S-G18	UNT to Blackwater River	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	37.009236	-79.754238	I-049	4-725
224	S-E18	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.001271	-79.747749	I-050	4-727
225	S-E17	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	37.000529	-79.74276	I-051	4-727
226	S-E14	UNT to Blackwater River	Perennial	Dry-Ditch Open-Cut	none	none			Franklin	36.995814	-79.735144	I-052	4-728
227	S-H38	UNT to Jacks Creek	Perennial, Wetland	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.98943	-79.722366	I-053	4-730

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228	**S-H32**	UNT to Jacks Creek	Perennnial	Conventional Bore	none	none	MVP requested TOYR mod, but none is necessary here anyway, so their request is granted	DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.988273	-79.708199	I-057	4-732
229	**S-H37**	UNT to Jacks Creek	Ephemeral	Dry-Ditch Open-Cut	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.988031	-79.71745	I-054	4-731
230	**S-H34**	UNT to Jacks Creek	Perennial	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.988009	-79.711881	I-056	4-732
231	**S-H36**	UNT to Jacks Creek	Perennial, Wetland	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.988008	-79.714922	I-055	4-731
232	**S-H30**	UNT to Jacks Creek	Intermittent	Pipeline ROW	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.987961	-79.702711	W-H11	4-734

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233	**S-A18**	UNT to Jacks Creek	Intermittent	Dry-Ditch Open-Cut	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.987818	-79.700634	I-059	4-734
234	**S-A19/H26**	UNT to Jacks Creek	Intermittent	Dry-Ditch Open-Cut	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.987719	-79.698901	I-060A	4-734
235	**S-A20**	UNT to Jacks Creek	Perennial	Conventional Bore	none	none	MVP requested TOYR mod, but none is necessary here anyway, so their request is granted	DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.987715	-79.698555	I-060B	4-734
236	**S-H28**	UNT to Jacks Creek	Ephemeral	Pipeline ROW	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.985174	-79.692272	I-061B	4-735
237	**S-H27**	UNT to Jacks Creek	Ephemeral	Dry-Ditch Open-Cut	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.985124	-79.692272	I-061B	4-735

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238	**S-A22**	UNT to Jacks Creek	Intermittent	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.984846	-79.69187	I-061A	4-735
239	**S-MM44**	UNT to Little Jacks Creek	Perennial	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.982507	-79.687818	I-062	4-735
240	**S-MM46**	UNT to Little Jacks Creek	Intermittent	Timber Mat Crossing	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.98224	-79.6875	S-MM46	4-735
241	**S-MM45**	UNT to Little Jacks Creek	Ephemeral	Timber Mat Crossing	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.981971	-79.686901	S-MM45	4-735
242	**S-MM48**	UNT to Little Jacks Creek	Perennial	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.979223	-79.684192	I-063	4-736

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
243	S-H25	Little Jacks Creek	Perennial; Wetland	Conventional Bore	none, but upstream of TE Water(Roanoke Logperch)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch : March 15 through June 31		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.978529	-79.682186	I-064	4-736
244	S-H24	UNT to Little Jacks Creek	Perennial	Conventional Bore	none	none		DCR recommends avoidance of the Jacks Creek Conservation Site and associated documented occurrences of natural heritage resources (Not Listed). The natural heritage resources of concern at this site are: Piedmont fameflower, Weak bluegrass, Prairie dropseed, and the Southern Piedmont Ultramafic Barren Significant Community.	Franklin	36.978025	-79.680682	I-065	4-736
245	S-H23	UNT to Turkey Creek	Ephemeral	Dry-Ditch Open-Cut	none				Franklin	36.976421	-79.677525	I-066	4-738
246	S-HH1	UNT to Turkey Creek	Ephemeral	Pipeline ROW	none				Franklin	36.974647	-79.674453	S-HH1	4-738
247	S-A13	Turkey Creek	Perennial	Conventional Bore	none, but upstream of TE Water(Roanoke Logperch)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch : March 15 through June 31	MVP requested a TOYR - no TOYR necessary if the crossing is constructed via bore. So, their request is approved.		Franklin	36.973282	-79.673075	I-067	4-738
248	S-A11	UNT to Turkey Creek	Ephemeral	Pipeline ROW	none	none			Franklin	36.973237	-79.669898	S-A11	4-740
249	S-H17	Dinner Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	36.972125	-79.662987	I-069B	4-741
250	S-A7	UNT to Dinner Creek	Perennial	Conventional Bore	none	none			Franklin	36.972032	-79.662504	I-069A	4-741
251	S-SS8	Polecat Creek	Perennial	Conventional Bore	none	none			Franklin	36.970904	-79.65737	I-070	4-741
252	S-CD8	UNT to Owens Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	36.970522	-79.653726	I-071	4-742
253	S-AB8	UNT to Owens Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	36.970133	-79.651328	I-072	4-742
254	S-DD3	Owens Creek	Intermittent	Conventional Bore	none, but upstream of TE Water(Roanoke Logperch)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch : March 15 through June 31	MVP requested a TOYR - no TOYR necessary if the crossing is constructed via bore. So, their request is approved.		Franklin	36.969118	-79.645042	I-073	4-743
255	S-G16	Strawfield Creek	Perennial	Conventional Bore	none	none	MVP requested a TOYR modification - no TOYR necessary so, their request is approved.		Franklin	36.96864	-79.642174	I-074	4-743
256	S-G15	UNT to Parrot Branch	Intermittent	Dry-Ditch Open-Cut	none	none			Franklin	36.967711	-79.63659	I-075	4-744
257	S-G13	Parrot Branch	Perennial	Conventional Bore	none, but upstream of TE Water (Roanoke Logperch and Orangefin Madtom)	**IF instream work, TOYR not necessary if constructed via bore** - Roanoke Logperch and Orangefin Madtom : March 15 through June 31	MVP requested TOYR modification, no TOYR if crosing is constructed as a bore. So, their request is approved.		Franklin	36.967025	-79.630747	I-076	4-744
258	S-D3	UNT to Jonnikin Creek	Perennial	Conventional Bore	none	none	MVP requested TOYR modification, no TOYR recommended here so their request is approved		Pittsylvania	36.965631	-79.605542	I-078	4-747
259	S-D4	UNT to Jonnikin Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.9656	-79.604894	I-079	4-747
260	S-D2	Jonnikin Creek	Perennial; Wetland	Conventional Bore	none	none			Pittsylvania	36.965405	-79.59913	I-080	4-748
261	S-D7	UNT to Jonnikin Creek	Intermittent; Wetland	Dry-Ditch Open-Cut	none	none			Franklin	36.964763	-79.617043	I-077	4-746
262	S-D1-EPH	UNT to Jonnikin Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.96443	-79.595691	I-081	4-748
263	S-D1-INT	UNT to Jonnikin Creek	Intermittent	Pipeline ROW	none				Pittsylvania	36.964407	-79.595841	I-081	4-748
264	S-G11	UNT to Jonnikin Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.96242	-79.5905	I-082	4-749
265	S-G9	UNT to Jonnikin Creek	Intermittent; Wetland	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.959361	-79.586437	I-083	4-751
266	S-G8	UNT to Jonnikin Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.957805	-79.583545	I-084A	4-751
267	S-Q15	UNT to Jonnikin Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.95758	-79.583492	I-084B	4-751
268	S-A6	UNT to Rocky Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.952275	-79.58046	I-085	4-750
269	S-H11-Braid	UNT to Rocky Creek	Ephemeral	Pipeline ROW	none	none			Pittsylvania	36.949615	-79.579553	I-084B	4-750
270	S-F2	UNT to Rocky Creek	Ephemeral	Timber Mat Crossing	none	none			Pittsylvania	36.944049	-79.571442	I-086	4-753

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
271	S-C7	UNT to Rocky Creek	Perennial	Conventional Bore	none	none	MVP requested TOYR modification here, but no TOYR recommened so their request is approved.		Pittsylvania	36.944016	-79.571517	I-086	4-753
272	S-C3	Harpen Creek	Perennial; Perennial	Conventional Bore	none	none			Pittsylvania	36.929762	-79.526109	I-087	4-758
273	S-C4	UNT to Harpen Creek	Perennial; Perennial	Conventional Bore	none	none			Pittsylvania	36.929745	-79.52629	I-087	4-758
274	S-H13	Harpen Creek	Perennial; Wetland	Dry-Ditch Open-Cut	none	none	MVP requested TOYR modification, but no TOYR recommended, so their request is approved		Pittsylvania	36.925105	-79.51735	I-088	4-759
275	S-G6	UNT to Harpen Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.920737	-79.505898	I-089	4-761
276	S-G5	UNT to Harpen Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.917694	-79.496604	I-090	4-762
277	S-G4	Harpen Creek	Perennial	Conventional Bore	none	none	MVP requested TOYR modification, but no TOYR recommended, so their request is approved		Pittsylvania	36.916463	-79.492669	I-091	4-762
278	S-G3	UNT to Harpen Creek	Perennial	Timber Mat Crossing	none	none			Pittsylvania	36.915658	-79.490029	I-092	4-762
279	S-CC16	UNT to Harpen Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.913003	-79.487838	I-093	4-763
280	S-CC14	UNT to Cherrystone Creek	Intermittent; Intermittent	Conventional Bore	none	none			Pittsylvania	36.905329	-79.471492	I-094	4-765
281	S-CC13	UNT to Cherrystone Creek	Intermittent; Intermittent	Conventional Bore	none	none			Pittsylvania	36.905307	-79.471574	I-094	4-765
282	S-MM8	UNT to Cherrystone Creek	Perennial; Wetland	Conventional Bore	none	none			Pittsylvania	36.902991	-79.46822	I-095	4-766
283	S-CC15	UNT to Cherrystone Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.901941	-79.466535	I-096	4-766
284	S-CC8	UNT to Cherrystone Creek	Intermittent; Perennial	Conventional Bore	none	none			Pittsylvania	36.899437	-79.462685	I-097	4-766
285	S-CC5	UNT to Cherrystone Creek	Intermittent; Perennial	Conventional Bore	none	none			Pittsylvania	36.899411	-79.462483	I-097	4-766
286	S-CC5	UNT to Cherrystone Creek	Intermittent; Perennial	Conventional Bore	none	none			Pittsylvania	36.899248	-79.462396	I-097	4-766
287	S-CC9	UNT to Cherrystone Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.89774	-79.458046	I-098	4-767
288	S-CC10	UNT to Cherrystone Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.897315	-79.456119	I-099	4-767
289	S-MM10	UNT to Cherrystone Creek	Intermittent	Pipeline ROW	none	none			Pittsylvania	36.895915	-79.45296	I-098	4-768
290	S-CC11	UNT to Cherrystone Creek	Perennial	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.895808	-79.45292	I-100	4-768
291	S-CC1	Cherrystone Creek	Wetlands; Perennial	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.894043	-79.445744	I-101B	4-769
292	S-CC3	UNT to Cherrystone Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.893727	-79.444763	I-102	4-769
293	S-P5	UNT to Cherrystone Creek	Ephemeral	Conventional Bore	none	none			Pittsylvania	36.892751	-79.440053	I-103	4-769
294	S-IJ35-EPH	UNT to Pole Bridge Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.891451	-79.433781	I-104	4-770
295	S-Q4	UNT to Pole Bridge Branch	Perennial	Conventional Bore	none	none			Pittsylvania	36.886114	-79.430914	I-105	4-771
296	S-Q3	Pole Bridge Branch	Wetland; Perennial	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.884444	-79.42822	I-106B	4-771
297	S-Q2	UNT to Pole Bridge Branch	Perennial	Conventional Bore	none	none			Pittsylvania	36.884284	-79.427914	I-106A	4-771
298	S-B6	UNT to Pole Bridge Branch	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.879063	-79.420189	I-108	4-772
299	S-B8	UNT to Pole Bridge Branch	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.877937	-79.417992	I-109	4-773
300	S-B9	UNT to Pole Bridge Branch	Perennial	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.877416	-79.416255	I-110	4-773
301	S-DD4-Braid-1	UNT to Mill Creek	Intermittent	Conventional Bore	none	none			Pittsylvania	36.871651	-79.404061	i-111A	4-775
302	S-DD4	UNT to Mill Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.871478	-79.403907	I-111	4-775
303	S-KL27	UNT to Mill Creek	Ephemeral	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.866534	-79.400511	I-112	4-776
304	S-C1	Mill Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.863513	-79.397914	I-113	4-777
305	S-G2	Little Cherrystone Creek	Perennial; Wetland	Conventional Bore	none	none			Pittsylvania	36.851931	-79.386051	I-114	4-779
306	S-B2	UNT to Little Cherrystone Creek	Ephemeral	Conventional Bore	none	none			Pittsylvania	36.849394	-79.37778	I-115	4-780
307	S-H55	UNT to Little Cherrystone Creek	Ephemeral	Conventional Bore	none	none			Pittsylvania	36.843486	-79.369222	I-116	4-781
308	S-H54	UNT to Little Cherrystone Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.841112	-79.366848	I-117	4-781
309	S-GG11	UNT to Little Cherrystone Creek	Perennial	Timber Mat Crossing	none	none			Pittsylvania	36.841093	-79.366942	I-116	4-781
310	S-H3	UNT to Little Cherrystone Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.834501	-79.360244	I-118	4-783

Table 3 - DWR Time of Year Restrictions/DCR Recommendations

Assigned VWP Number	Stream ID	National Hydrogeological Database Stream Name (DEQ)	Flow Regime (MVP)	Proposed Crossing Method (MVP)	DWR Stream Designation	Instream work TOYR recommended by DWR	Sept 2020 TOYR mod request DWR response	VA Dept. of Conservation and Recreation Recommendation(s)	County (DEQ)	Latitude (DEQ)	Longitude (DEQ)	Profile & Plan Drawing Number (MVP)	Application Figure Number (MVP)
311	**S-H5**	UNT to Little Cherrystone Creek	Perennial; Wetlands; Intermittent; Wetland	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.833412	-79.359823	I-118	4-783
312	**S-OO1**	UNT to Little Cherrystone Creek	Intermittent, Wetland	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.830285	-79.356618	I-119	4-783
313	**S-H44**	UNT to Little Cherrystone Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.829823	-79.346016	I-122	4-785
314	**S-H42**	UNT to Little Cherrystone Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.828993	-79.344442	I-123	4-785
315	**S-H42**	UNT to Little Cherrystone Creek	Perennial	Conventional Bore	none	none			Pittsylvania	36.828958	-79.344315	I-123	4-785
316	**S-OO2**	UNT to Little Cherrystone Creek	Intermittent	Dry-Ditch Open-Cut	none	none			Pittsylvania	36.828831	-79.353849	I-120	4-784
317	**S-EF26**	Little Cherrystone Creek	Perennial; Wetlands	Conventional Bore	none	none			Pittsylvania	36.828207	-79.349814	I-121	4-784

Attachment 1: VWP PERMIT CONSTRUCTION STATUS UPDATE FORM

Attached to VWP INDIVIDUAL PERMIT NUMBER 21-0416

[DATE]

[PERMIT ACTION]

Date (check one):

☐ June____, _____

☐ December _____, _____

VWP Individual Permit Number: _____

Project Name and Location: _____

_____

Status within each authorized surface water impact location, as identified on MAP NAME, dated MM-DD-YYYY, , and received MM-DD-YYYY: (check one of the following status options for each impact number/location. Attach additional sheet(s) if needed.)

Authorized impact number	Construction activities not started	Construction activities started	Construction activities started but currently not active	Does this impact involve culvert(s)[1]?	Construction activities complete[2]

[1] Provide spot elevations of the stream bottom within the thalweg at the beginning and end of the pipe or culvert, extending to a minimum of 10 feet beyond the limits of the impact, with completion of all culvert installations.

[2] If all construction activities and compensatory mitigation requirements are complete, the permittee completes and signs the Termination Agreement section below within 30 days of last authorized activity and/or compensation completion. A completed and signed Agreement serves as Notice of Project Completion (9VAC25-210-130 F).

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violation.

Authorized Signature: _____

Print Name: _____

Title: _____ Phone: _____

Date: _____ Email: _____

TERMINATION AGREEMENT BY CONSENT – PROJECT COMPLETION

Permittee Name: _____

Permittee Mailing Address: _____

Permittee Phone: _____

I hereby consent to the termination of coverage for VWP Individual Permit Number 21-0416.

"I certify under penalty of law that all activities and any required compensatory mitigation authorized by a VWP permit have been completed. I understand that by submitting this notice of termination that I am no longer authorized to perform activities in surface waters in accordance with the VWP permit, and that performing activities in surface waters is unlawful where the activity is not authorized by a VWP permit, unless otherwise excluded from obtaining a permit. I also understand that the submittal of this notice does not release me from liability for any violations of this VWP permit."

Permittee Signature: _____

Impact Construction Status Table Continued (if needed)

Additional Page [#] of [#]					
Authorized impact number	**Construction activities not started**	**Construction activities started**	**Construction activities started but currently not active**	**Does this impact involve culvert(s)[1]?**	**Construction activities complete[2]**

Attachment 2: MONTHLY VWP PERMIT INSPECTION CHECKLIST

An inspection of all permitted impact areas, avoided waters and wetlands, and permanently preserved waters, wetlands and upland areas must be conducted at least once every month during active construction activities. Maintain this record on-site and available for inspection by DEQ staff.

Project Name	**VWP Permit #**	**Inspection Date**
Mountain Valley Pipeline Project	21-0416	
Inspector Name & Affiliation	**Phone # & Email Address**	

I certify that the information contained in this report is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____ _____

Signature of Inspector Date

	In Compliance?				
PERMIT REQUIREMENT	**Yes**	**No**	**Not Applicable**	**Location, Description, Notes & Corrective Action Taken (use additional note space below if needed)**	**Date Completed**
Surface water impacts are limited to the size and locations specified by the permit. No sedimentation impacts and no impacts to upland preservation areas have occurred[1].	☐	☐	☐		
Within 50 feet of authorized activities, all remaining surface waters and mitigation (preservation) areas that are inside the project area are clearly flagged or marked to prevent unpermitted impacts.	☐	☐	☐		
Authorized temporary impact areas have been restored to original contours, stabilized, and planted or seeded in accordance with the DEQ-approved restoration plan within 30 days of completing work in each area.	☐	☐	☒		
E&S controls consistent with the Virginia ESC Handbook are present and maintained in good working order.	☐	☐	☐		
Exposed slopes/stream banks have been stabilized immediately upon completion of work in each impact area, in accordance with the Virginia ESC Handbook.	☐	☐	☐		
Heavy equipment is placed on mats/ geotextile fabric when working in temporary wetland impact areas. Equipment and materials removed immediately upon completion of work.	☐	☐	☐		
Construction activities are not substantially disrupting the movement of aquatic life.[2]	☐	☐	☐		
New instream pipes and culverts on <5% slope have been installed to maintain low flow conditions and are countersunk at both ends as follows: ≤ 24" diameter: countersunk 3" > 24" diameter: countersunk 6" or more. Any variations were approved in advance by DEQ.	☐	☐	☐		
Time-of-year restrictions are being adhered to.	☐	☐	☐		

[1] If unauthorized impacts have occurred, you **must** email or fax a copy of this report to DEQ within 24 hours of discovery. Email: steven.hardwick@deq.virginia.gov Fax: (804) 698-4032

[2] Substantial disruption means no more than a minimal and/or temporary disruption.

	In Compliance?				
PERMIT REQUIREMENT	**Yes**	**No**	**Not Applicable**	**Location, Description, Notes & Corrective Action Taken (use additional note space below if needed)**	**Date Completed**
For stream channelization or relocation, work in surface waters is being performed in the dry, with all flows diverted until the new channel is stabilized.	☐	☐	☐		
Water quality monitoring is being conducted during permanent stream relocations.	☐	☐	☐		
Streams and wetlands are free from any sheen or discoloration that may indicate a spill of oil, lubricants, concrete or other pollutants.[3]	☐	☐	☐		

Inspection Notes

[3] Any fish kills or spills of fuels or oils shall be reported to DEQ immediately upon discovery at 540-562-6700. If DEQ cannot be reached, the spill or fish kill shall be reported to the Virginia Department of Emergency Management (VDEM) at 1-800-468-8892 or the National Response Center (NRC) at 1-800-424-8802. Any spill of oil as defined in § 62.1-44.34:14 of the Code of Virginia that is less than 25 gallons and that reaches, or that is expected to reach, land only is not reportable, if recorded per § 62.1-44.34:19.2 of the Code of Virginia and if properly cleaned up.