ATTACHMENT A

Dominion Energy Services, Inc. 5000 Dominion Boulevard, Glen Allen, VA 23060



September 8, 2017

BY E MAIL

Ms. Amy Ewing Virginia Department of Game and Inland Fisheries 7870 Villa Park Drive Henrico, VA 23228 <u>Amy.Ewing@dgif.virginia.gov</u>

Re: Atlantic Coast Pipeline Waterbody Time of Year Restriction Waiver Request in Virginia

Dear Ms. Ewing:

Atlantic Coast Pipeline, LLC (Atlantic) is pleased to provide the enclosed table detailing the time of year restriction (TOYR) waivers being requested for the listed waterbodies along the proposed Atlantic Coast Pipeline (ACP) Project in Virginia. During construction planning, Atlantic and its contractor identified waterbodies where construction is anticipated to occur during the recommended TOYRs. Atlantic has identified 67 waterbodies where a waiver is required to accommodate the proposed sequence of construction.

As shown in the table, the waiver request is for installation of bridge center supports or tie-in of the pipeline at waterbody crossings. Six of the listed waterbodies require a waiver for both the bridge center support and tie-in installation. Additionally, 6 of the listed waterbodies require a waiver for only the bridge center support installation and 55 of these waterbodies require a waiver only during the tie-in installation. The waterbodies where bridge center support is needed includes only those waterbodies that are wide enough that a single span bridge is not feasible, thus requiring installation of a center support to allow safe passage. Because of the variability in the pace of construction Atlantic has estimated a time window for each proposed crossing, which is listed in columns T and U of the enclosed table as the period for which a waiver is requested.

We appreciate your review and request your concurrence on the enclosed information. Please contact Spencer Trichell at (804) 273-3472 or <u>Spencer.Trichell@dominionenergy.com</u> if there are questions regarding this report. Please direct written responses to:

Richard B. Gangle Dominion Energy Services, Inc. 5000 Dominion Boulevard Glen Allen, Virginia 23060 Ms. Ewing September 8, 2017 Page 2 of 2

Sincerely

Richard B. Gangle Environmental Manager, Atlantic Coast Pipeline

Cc: Spencer Trichell, Dominion Amy Ewing, Virginia Department of Game and Inland Fisheries Rick Reynolds, Virginia Department of Game and Inland Fisheries

Enclosure:

Waterbody Time of Year Restriction Waiver Request in Virginia Table

State	Spread	County	Project Segment	Federal Land Management	Facilities Crossed	Milepost	Unique ID	Feature_Name	Federal Time of Year Restriction (TOYR)	Anadromous Fish TOYR	State Mussels and Fisheries TOYR	Trout/Cold & Sensitive Fisheries TOYR	Waiver Request for Center Support Bridge Installation	Waiver Request for Tie-In Installation
Virginia	4	Highland County	AP-1		Perm ROW, Surv Corr, Temp ROW	91.4	nhd_va_j_00 2	Morris Run				March 15 to June 30	N/A	4/29/2019-5/13/2019
Virginia	4	Highland County	AP-1		Perm ROW, Surv Corr, Temp ROW	91.5	nhd_va_j_00 3	Jackson River			May 15 to July 31	October 1 to March 31 / March 15 to May 15/March 15 to June 30	3/25/2019 - 4/8/2019	4/30/2019-5/14/2019
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	97.8	sbaa015	Cowpasture River	May 15 to July 31		May 15 to July 31	March 15 to June 30	5/15/2019 - 5/29/2019	N/A
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	97.8	sbaa016	UNT to Cowpasture River			May 15 to July 31		5/14/2019 - 5/28/2019	7/5/2019-7/19/2019
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	97.9	nhd_va_n_00 2	UNT to Cowpasture River			May 15 to July 31		N/A	7/6/2019-7/20/2019
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	98.0	nhd_va_n_00 6	UNT to Cowpasture River			May 15 to July 31		N/A	7/6/2019-7/20/2019
Virginia	4	Bath County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	98.3	sbaa005	UNT to Cowpasture River			May 15 to July 31		5/22/2019 - 6/5/2019	7/10/2019-7/24/2019
Virginia	4	Bath County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	98.9	sbaa006	UNT to Cowpasture River			May 15 to July 31		N/A	7/17/2019-7/31/2019
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	99.0	sbaa007	UNT to Cowpasture River			May 15 to July 31		N/A	7/22/2019-8/5/2019
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	100.7	sbaa001	Stuart Run				March 15 to June 30	6/10/2019 - 6/24/2019	N/A
Virginia	4	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	103.1	sbar008	Mill Creek			May 15 to July 31		6/29/2019 - 7/13/2019	N/A
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	103.1	sbar009	UNT to Mill Creek			May 15 to July 31		N/A	5/29/2018-6/12/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	103.6	sbar006	UNT to Mill Creek			May 15 to July 31		N/A	6/4/2018-6/18/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	103.8	sbar005	UNT to Mill Creek			May 15 to July 31		N/A	6/6/2018-6/20/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	103.9	sbar004	UNT to Mill Creek			May 15 to July 31		N/A	6/6/2018-6/20/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.0	sbar003	UNT to Mill Creek			May 15 to July 31		N/A	6/7/2018-6/21/2018

Waterbody Time of Year Restriction Waiver Request in Virginia for the Atlantic Coast Pipeline Project

Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.1	sbar002	UNT to Mill Creek	May 15 to July 31		N/A	6/8/2018-6/22/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.2	nhd_va_j_01 7	UNT to Mill Creek	May 15 to July 31		N/A	6/9/2018-6/23/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.4	nhd_va_j_01 8	UNT to Mill Creek	May 15 to July 31		N/A	6/11/2018-6/25/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.6	nhd_va_j_01 9	UNT to Mill Creek	May 15 to July 31		N/A	6/13/2018-6/27/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.8	nhd_va_j_02 0	UNT to Mill Creek	May 15 to July 31		N/A	6/13/2018-6/27/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	104.8	nhd_va_j_02 1	UNT to Mill Creek	May 15 to July 31		N/A	6/13/2018-6/27/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	105.7	sbar015	UNT to Mill Creek	May 15 to July 31		N/A	6/20/2018-7/04/2018
Virginia	4A	Bath County	AP-1		Perm ROW, Surv Corr, Temp ROW	105.7	sbar016	UNT to Mill Creek	May 15 to July 31		N/A	6/20/2018-7/4/2018
Virginia	4A	Augusta County	AP-1		Perm ROW, Surv Corr, Temp ROW	110.1	sauc127	UNT to Calfpasture River	March 15 to June 30		6/22/2018 - 6/30/2018	N/A
Virginia	4A	Augusta County	AP-1	GWNF	Perm AR, Perm ROW, Surv Corr, Temp ROW	117.1	saua416	Dowell's Draft		October 1 to March 31	N/A	10/1/2018-10/14/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	117.2	saua418	UNT to Dowell's Draft		October 1 to March 31	N/A	10/1/2018-10/14/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm AR	117.2	saua418	UNT to Dowell's Draft		October 1 to March 31	N/A	10/1/2018-10/14/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	117.7	saua419	UNT to East Branch Dowell's Draft		October 1 to March 31	N/A	10/1/2018-10/9/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	122.5	saua421	UNT to Jennings Branch		October 1 to March 31	N/A	10/1/2018-11/4/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	122.8	saua422	UNT to Jennings Branch		October 1 to March 31	N/A	10/1/2018-11/5/2018
Virginia	4A	Augusta County	AP-1	GWNF	Perm ROW, Surv Corr, Temp ROW	123.0	saua423	UNT to Jennings Branch		October 1 to March 31	N/A	10/1/2018-11/7/2018
Virginia	5	Augusta County	AP-1		Perm ROW, Surv Corr, Temp ATWS, Temp ROW	153.8	nhd_va_a_00 1	Back Creek	March 15 to June 30		N/A	3/26/2019-4/9/2019
Virginia	6	Nelson County	AP-1		Perm ROW, Surv Corr, Temp ROW	183.3	snep005	UNT to Mayo Creek	April 15 to June 15 and August 15 to Sept 30		N/A	5/23/2018-6/6/2018

Virginia	6	Buckingham County	AP-1	Perm ROW, Surv Corr, Temp ROW	184.9	sbuc111	UNT to James River		March 15 to June 30	May 15 to July 31	N/A	6/14/2018-6/28/2018
Virginia	6	Buckingham County	AP-1	Perm ROW, Surv Corr, Temp ROW	185.0	sbuc110	UNT to James River		March 15 to June 30		N/A	5/25/2018-6/8/2018
Virginia	6	Buckingham County	AP-1	Perm ROW, Surv Corr	185.4	sbup017	UNT to James River		March 15 to June 30		N/A	6/14/2018-6/28/2018
Virginia	6	Prince Edward County	AP-1	Perm ROW, Surv Corr, Temp ROW	221.6	spek004	UNT to Appomattox River			May 15 to July 31	N/A	6/14/2018-7/1/2018
Virginia	6	Prince Edward County	AP-1	Perm ROW, Surv Corr, Temp ROW	221.8	spek006	UNT to Appomattox River			May 15 to July 31	N/A	7/14/2018-7/31/2018
Virginia	6	Prince Edward County	AP-1	Perm ROW, Surv Corr, Temp ROW	222.0	spek007	UNT to Appomattox River			May 15 to July 31	N/A	7/14/2018-7/31/2018
Virginia	6	Prince Edward County	AP-1	Perm ROW, Surv Corr, Temp ROW	222.1	spek008	UNT to Appomattox River			May 15 to July 31	N/A	7/14/2018-7/31/2018
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	252.7	sdim021	UNT to Butterwood Creek			March 15 to June 30	N/A	6/12/2019-6/26/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	253.9	ddic001	UNT to Butterwood Creek			March 15 to June 30	N/A	6/12/2019-6/26/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	254.0	sdic015	UNT to Butterwood Creek			March 15 to June 30	N/A	6/13/2019-6/27/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	254.3	sdic013	UNT to Butterwood Creek			March 15 to June 30	N/A	6/13/2019-6/27/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	255.9	sdib001	UNT to Beaver Pond Creek			March 15 to June 30	N/A	6/14/2019-6/28/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	256.2	sdil001	Beaver Pond Creek			March 15 to June 30	N/A	6/18/2019-6/30/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	256.5	sdil001	Beaver Pond Creek			March 15 to June 30	N/A	6/18/2019-6/30/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	256.7	sdio017	UNT to Beaver Pond Creek			March 15 to June 30	N/A	6/20/2019-6/30/2019
Virginia	7	Dinwiddie County	AP-1	Perm ROW, Surv Corr, Temp ROW	256.8	sdio019	UNT to Beaver Pond Creek			March 15 to June 30	N/A	6/20/2019-6/30/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	261.5	sbra202	UNT to Nottoway River			May 15 to July 31/March 15 to May 31/August 15 to Oct 15	N/A	6/26/2019-7/10/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	267.4	sbrr014	Waqua Creek	March 15 to June 30		March 15 to June 30	5/9/2019 - 5/23/2019	N/A

Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	267.9	sbro011	Big Branch			March 15 to June 30	5/11/2019 - 5/25/2019	N/A
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr	271.6	sbrr005i	UNT to Sturgeon Creek			March 15 to June 30 and May 15 to July 31	N/A	7/13/2019-7/27/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	271.9	sbrr006i	UNT to Sturgeon Creek			March 15 to June 30 and May 15 to July 31	N/A	7/13/2019-7/27/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	271.9	sbrr008	UNT to Sturgeon Creek			March 15 to June 30 and May 15 to July 31	N/A	7/13/2019-7/27/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	272.0	sbrr007	Sturgeon Creek	March 15 to June 30		May 15 to July 31 /August 15 to October 15	5/17/2019 - 5/31/2019	7/13/2019-7/27/2019
Virginia	7	Brunswick County	AP-1	Perm ROW, Surv Corr, Temp ROW	272.9	sbro001	UNT to Spring Branch			March 15 to June 30 and May 15 to July 31	N/A	7/16/2019-7/30/2019
Virginia	7	Greensville County	AP-1	Perm ROW, Surv Corr, Temp ROW	285.9	sgra012	UNT to Meherrin River			April 15-June 15 and August 15 to Sept 30 /May 15 to July 31	N/A	8/8/2019-8/22/2019
Virginia	7	Greensville County	AP-1	Perm ROW, Surv Corr, Temp ROW	286.2	sgra014	UNT to Meherrin River			April 15-June 15 and August 15 to Sept 30 /May 15 to July 31	N/A	8/8/2019-8/22/2019
Virginia	7	Greensville County	AP-1	Perm ROW, Surv Corr, Temp ROW	286.8	sgra008	UNT to Meherrin River			May 15 to July 31 /April 15 to June 15 and August 15 to September 30	N/A	8/8/2019-8/22/2019
Virginia	11	Southampton County	AP-1	Perm ROW, Surv Corr, Temp ROW	30.7	wsoa017f	UNT to Nottoway River	March 15 to May 31 and August 15 to October 15; March 15 to June 30	February 15 to June 30	May 15 to July 31)/April 15 to June 15 and August 15 to September 30	6/3/2018 - 6/17/2018	8/15/2018-8/17/2018
Virginia	7	Greensville County	AP-3	Perm ROW, Surv Corr, Temp ROW	287.0	sgro003	UNT to Meherrin River		February 15 to June 30	May 15 to July 31 /April 15 to June 15 and August 15 to September 30	N/A	8/9/2019-8/23/2019

Jonathan Gendzier

From: Sent:	Ewing, Amy (DGIF) <amy.ewing@dgif.virginia.gov> Monday, January 08, 2018 1:43 PM</amy.ewing@dgif.virginia.gov>
То:	Sara Throndson
Cc:	Fernald, Ray (DGIF); Bugas, Paul (DGIF); Smith, Scott (DGIF); Greenlee, Bob (DGIF); Watson, Brian (DGIF); Pinder, Mike (DGIF); Spencer Trichell; Whitehurst, David (DGIF)
Subject:	ESSLog# 34825_AtlanticCoastPipeline_TOYRLeniency_DGIF_AME20180108
Attachments:	34825_ACP_2017instreamTOYRWaiverRequest_DGIF_AME20180105.xlsx
Importance:	High

Sara,

We have reviewed the request for leniency from time of year restrictions (TOYRs) which we have recommended adherence to during instream work to ensure protection of listed species and designated wildlife resources. I have attached the stream crossing table with an added column, "DGIF Comments". You also will note that there is highlighting in this column: **Green** means that we are agreeable to the requested leniency; **Yellow** means that we believe instream work during the currently proposed times of year is likely to result I in adverse impacts upon the listed species or designated resource but that we could provide leniency at other times of year, proposed in parenthesis, upon further coordination; **Red** means that we believe that instream work during the previously recommended TOYR is likely to result in adverse impacts upon the listed species or designated resource and that therefore we cannot support such work; a mix of two colors (red/green or yellow/green) indicates consideration of two different TOYRs with two different responses; and **Furple** means that there was missing or erroneous data impeding our ability to provide comments at this time. Also note some yellow highlighting in the column representing the TOYR we recommended....that highlighting is to call out corrections to the TOYR that had been listed in that column.

Because we noticed some discrepancies with the TOYR listed in the attached, we offer the below a list of TOYR associated with listed species and designated resources that have been documented from the project area. This information is also available online at : <u>https://www.dgif.virginia.gov/wp-content/uploads/VDGIF-Time-of-Year-Restrictions-Table.pdf</u>

We recommend that applicant ensure that the TOYR in both the attached and the larger FEIS table K-1 are correct, based on the species of consideration. In addition, to avoid confusion, we recommend that columns E and G of the attached table be renamed "Federally-recommended TOYR" and "State-recommended TOYR", respectively. As they are named now, it could be implied that data in these columns indicates presence of state or federally-listed species rather than state or federal recommendations.

Fishes:

Roanoke logperch (federal endangered) : March 15 through June 30 of any year Orangefin madtoms (state threatened): March 15 through June 30 of any year

Anadromous fishes upstream of fall line: March 15 through June 30 of any year Anadromous fishes below fall line: February 15 through June 30 of any year

Wild trout waters that support brook and/or brown trout: October 1 through March 31 of any year Wild trout waters that support rainbow trout: March 15 through May 15 of any year Stockable trout waters: No TOYR, recommend coordination with regional fisheries manager

Mussels:

Dwarf wedgemussels (federal endangered): March 15 through May 31 and August 15 through October 15 of any year Green floaters (state threatened): April 15 through June 15 and August 15 through September 30 of any year Atlantic pigtoes (state threatened): May 15 through July 31 of any year James spinymussels (federal endangered): May 15 through July 31 of any year

We understand, from Spencer Trichell, that the applicant will adhere to all other instream TOYRs, as indicated in FEIS table K-1. We continue to recommend adherence to instream work TOYRs listed in K-1 of the FEIS, unless indicated otherwise by the attached. We recognize that, as reflected in the attached spreadsheet, the applicant may only require a day or two of instream work at the beginning or end of a TOYR protective of a listed species or resources designated due

to the presence of such. We are happy to continue working with the applicant to address conflicts between our protective recommendations and their construction schedule on a case-by-case basis as the project schedule tightens up and reflects true on the ground work dates, but at this time have continued to recommend adherence to the full TOYRs for these sites.

We look forward to working with you and the applicant as this project moves forward.

Thanks and let me know if you need anything additional.

Amy

Amy M. Ewing

Environmental Services Biologist/FWIS Program Manager Chair, Team WILD (Work, Innovate, Lead and Develop) 804-367-2211 © <u>www.dgif.virginia.gov</u>

"That land is a community is the basic concept of ecology, but that land is to be loved and respected is an extension of ethics" Aldo Leopold, 1948





County	Milepost	Unique ID	Feature_Name	of Year	Anadromous Fish TOYR	State Mussels and Fisheries TOYR	Trout/Cold & Sensitive Fisheries TOYR	Waiver Request for Center Sup Bridge Installation	pport Waiver Request for Tie-In Installation	DGIF recommendations per stream crossing.
Highland County	91.4	nhd_va_j_00 2	Morris Run	Restriction			March 15 to June 30	N/A	4/29/2019-5/13/2019	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Highland County	91.5	nhd_va_j_00 3	Jackson River			May 15 to July 31	October 1 to March 31 / March 15 to May 15/March 15 to June 30	3/25/2019 - 4/8/2019	430/2019-6/14/2019	We appreciate your willingness to adhere to the TOYR protective of James spinymusail from May 15 - July 31 of any year. It appears you are requesting to be in the stream during rainbow troots apawring. To assist you, we would be willing to provide leminory at the beginning of the recommended TOYR protective of rainbow trout/end of brook and brown trout spawning, where it does not overlap with the TOYR protective of James spinymusal (e.v. March 15 - April 1), but cannot support work in the stream from May 15 through July 31, in adherence to the musael TOYR. In addition, we continue to recommend adherence to the October 1 through March 31 (unless otherwise negotiated per the above instream work TOYR protective of brook and brown trout.
Bath County	97.8	sbaa015	Cowpasture River	May 15 to July 31		May 15 to July 31	March 15 to June 30	5/15/2019 - 5/29/2019	N/A	The Coxpasture River is known to support Isdenialy endangered James spinymosels. As such, we cannot support work in this stream during spanning activities for this species, as is currently propoad. We are agreeable to provide previous frame framemore do trust time of year restriction hom March 15 through the beginning of the mussel TOYR on May 15%. Recommended instream work TOYR for this crossing: May 15 through July 31 of any year.
Bath County	97.8	sbaa016	UNT to Cowpasture River			May 15 to July 31		5/14/2019 - 5/28/2019	7/5/2019-7/19/2019	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (or Jamy 15- June 1 July 15- July JJ), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	97.9	nhd_va_n_00 2	UNT to Cowpasture River			May 15 to July 31		N/A	7/6/2019-7/20/2019	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (or Jam 19 - June 1 July 15 - July J), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	98.0	nhd_va_n_00 6	UNT to Cowpasture River			May 15 to July 31		N/A	7/6/2019-7/20/2019	This work site is upstream of waters known to support lederally endangered James spinymussels. We would be willing to provide leniancy at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (or Jam 19 - June 1 July 15 - July JJ), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	98.3	sbaa005	UNT to Cowpasture River			May 15 to July 31		5/22/2019 - 6/5/2019	7/10/2019-7/24/2019	This work site is upstream of waters known to support federally endangened James spinymusels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymusel spawning (r. May 15 - June 1 July 15 - July J), bub believe the current request, if allowed, would likely result in impacts upon James spinymusels.
Bath County	98.9	sbaa006	UNT to Cowpasture River			May 15 to July 31		N/A	7/17/2019-7/31/2019	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (or Jam 19 - June 1 July 15 - July J), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	99.0	sbaa007	UNT to Cowpasture River			May 15 to July 31		N/A	7/22/2019-8/5/2019	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (orMay 15 - June 1 July 15 - July 31), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	100.7	sbaa001	Stuart Run				March 15 to June 30	6/10/2019 - 6/24/2019	N/A	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Bath County	103.1	sbar008	Mill Creek			May 15 to July 31		6/29/2019 - 7/13/2019	N/A	Mil Orenk is known to support federally endangered James spinymussels. As such, we cannot support work in this stream during spawning advities for this species, as is currently proposed. Recommended instream work TOYR for this crossing: May 15 through July 31 of any year
Bath County	103.1	sbar009	UNT to Mill Creek			May 15 to July 31		N/A	5/29/2018-6/12/2018	This work site is upstream of waters known to support federally endangered James sprnymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spirymussel spawning (c. May 15-June 1 july 15-July 31), but believe the current request, if allowed, would likely result in impacts upon James spirymussels.
Bath County	103.6	sbar006	UNT to Mill Creek			May 15 to July 31		N/A	6/4/2018-6/18/2018	This work site is upstream of waters known to support federally endangered James spinymusels. We would be willing to provide leniency at the beginning and/or end of the recommended TOTR protective of James spinymuses lapawning (or James 1), July 15-July 13, July 15-July 13, Jub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	103.8	sbar005	UNT to Mill Creek			May 15 to July 31		N/A	6/6/2018-6/20/2018	This work site is upstream of waters known to support federally endangered James spinymusels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymusel spawning (e. May 15-June J July 15-July 31), bub believe the current request, if allowed, would likely result in impacts upon James spinymusels.
Bath County	103.9	sbar004	UNT to Mill Creek			May 15 to July 31		N/A	6/6/2018-6/20/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (e. May 15-June 1 July 15-July 31), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	104.0	sbar003	UNT to Mill Creek			May 15 to July 31		N/A	6/7/2018-6/21/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (a: May 15 - June 1 July 15 - July 3), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	104.1	sbar002	UNT to Mill Creek			May 15 to July 31		N/A	6/8/2018-6/22/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (z. May 15-June 1. July 15-July 31), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	104.2	nhd_va_j_01 7	UNT to Mill Creek			May 15 to July 31		N/A	6/9/2018-6/23/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (e. May 15-June 1 July 15-July JJ), bub believe the current request, if allowed, would likely result in impacts upon James spinymussels.

Bath County	104.4	nhd_va_j_01 8	UNT to Mill Creek		N	flay 15 to July 31		NA	6/11/2018-6/25/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (cx. Way 15 - June 1; July 15 - July 13), but believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	104.6	nhd_va_j_01 9	UNT to Mill Creek		N	flay 15 to July 31		N/A	6/13/2018-6/27/2018	This work site is upstream of waters known to support federally endangered James spinymusels. We would be willing to provide ineinery at the beginning and/or end of the recommended TOVB protective of James spinymuses apavering (cz. Way 15 - June 1; July 15 - July 31; July to believe the current request, if allowed, would likely result in impacts upon James spinymusels.
Bath County	104.8	nhd_va_j_02 0	UNT to Mill Creek		N	fay 15 to July 31		N/A	6/13/2018-6/27/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide lenknory at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (c.w. May 15 - June 1; July 15 - July 31), but believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	104.8	nhd_va_j_02 1	UNT to Mill Creek		N	flay 15 to July 31		N/A	6/13/2018-6/27/2018	This work site is getterand of waters known to support federally endangered James spirymussels. We would be willing to provide lenikong: at the beginning andres end of the recommended TOYR protective of James spirymussel spawning (ex. May 15 - June 1; July 15 - July 31), but believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	105.7	sbar015	UNT to Mill Creek		N	flay 15 to July 31		N/A	6/20/2018-7/04/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide heinency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (c.w. Mg) 15 - June 1; July 15 - July 1; July better the current request, if allowed, would likely result in impacts upon James spinymussels.
Bath County	105.7	sbar016	UNT to Mill Creek		N	flay 15 to July 31		N/A	6/20/2018-7/4/2018	This work site is upstream of waters known to support federally endangered James spinymussels. We would be willing to provide lentency at the beginning and/or end of the recommended TOYR protective of James spinymussel spawning (May 5-1 Jame 1; July 5-1 July 51), but believe the current request, if allowed, would likely result in impacts upon James spinymussels.
Augusta County	110.1	sauc127	UNT to Calfpasture River		N	larch 15 to June 30		6/22/2018 - 6/30/2018	N/A	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Augusta County	117.1	saua416	Dowell's Draft				October 1 to March 31	N/A	10/1/2018-10/14/2018	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Augusta County	117.2	saua418	UNT to Dowell's Draft				October 1 to March 31	N/A	10/1/2018-10/14/2018	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Augusta County	117.2	saua418	UNT to Dowell's Draft				October 1 to March 31	N/A	10/1/2018-10/14/2018	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Augusta County	117.7	saua419	UNT to East Branch Dowell's Draft				October 1 to March 31	N/A	10/1/2018-10/9/2018	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Augusta County	122.5	saua421	UNT to Jennings Branch				October 1 to March 31	N/A	10/1/2018-11/4/2018	MISSING from Shapefile
Augusta County	122.8	saua422	UNT to Jennings Branch				October 1 to March 31	N/A	10/1/2018-11/5/2018	MISSING from Shapefile
Augusta County	123.0	saua423	UNT to Jennings Branch				October 1 to March 31	N/A	10/1/2018-11/7/2018	MISSING from Shapefile
Augusta County	153.8	nhd_va_a_00 1	Back Creek		N	farch 15 to June 30		N/A	3/26/2019-4/9/2019	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Nelson County	183.3	snep005	UNT to Mayo Creek		A	pril 15 to June 15 and ugust 15 to Sept 30		N/A	5/23/2018-6/6/2018	Please confirm this location, Per our GIS, this site is hy Creek, an UNT to James River, which is designated a Threatened and Endangered Species Water due to the presence of ST green floaters.
Buckingham County	184.9	sbuc111	UNT to James River	Ma Jur	arch 15 to A ine 30 A	pril 15 to June 15 and ugust 15 to Sept 30		N/A	6/14/2018-6/28/2018	The work she is plat quaterent of the Janes Reve, known to support site Theatened grant factors. As such we cannot approve work in this stream during spawning activises for the spaces, as is currently proposed. We are agreeable to rescription of the TOYR protective of Anadomous Flahes, where it does not overlap with the TOYR protective of green factors: (so that means lengthency from March 15, April 15, June 15 June 30) based on the location of this site in the watershed. Recommended instream work TOYR for this crossing: April 15 through June 15 and August 15 through Sept 30 of any year
Buckingham County	185.0	sbuc110	UNT to James River		arch 15 to A ine 30 A	pril 15 to June 15 and ugust 15 to Sept 30		N/A	5/25/2018-6/8/2018	This work site is just system of the James River, known to support path Treatment green floaters. As such, we cannot support work in this atteam during stawning advices for this specker, as is currently proposed. We are agreeable to resensing the TOP protective of Antomorus Files, where it does not compto with the TOPR protective of green floaters (so that means lentering from March 15 - Antil 15, June 15 to June 30) based on the location of this site in the watershold. Recommended Instream work TOPR for this crossing: April 15 through June 15 and August 15 through Sept 30 of any year
Buckingham County	185.4	sbup017	UNT to James River	Ma Jur	arch 15 to A ine 30 A	pril 15 to June 15 and ugust 15 to Sept 30		N/A	6/14/2018-6/28/2018	This work site is upstream of the James River, known to support state Threatened green floaters. However, based on its distance upstream of the James River, we would be willing to provide some leniency at the beginning and on of the TOYK (April 15. May 15, got 15. Sept 30.) Ub believe the current request, if allowed, would likely result in impacts upon green floaters. Based on the location of this site in the watersheek, we are agreeable to rescricting the TOYK protective of Andronous Fishes, where it does not overlap with the TOYK protective of green floaters (so, that means leniency from March 15 - April 15; May 1 - June 30).
Prince Edward County	221.6	spek004	UNT to Appomattox River		N	lay 15 to July 31		NA	6/14/2018-7/1/2018	This work site is upstream of the Appointation River, known to support state threatened Atlantic pigtoes. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of Atlantic pigtoe spawning (ex. May 15 – June 1; July 15 – July 31), but believe the current request, if allowed, would likely result in impacts upon Atlantic pigtoes.
Prince Edward County	221.8	spek006				lav 15 to July 31		N/A	7/14/2018-7/31/2018	
Prince Edward County	221.8	speкuus	UNT to Appomattox River		N	nay 15 to July 31		NA	//14/2018-//31/2018	This work site is upstream of waters known to support state threatened Attantic pigtors. We would be willing to provide lensing: at the beginning and/or end of the recommended TOX protective of Attantic pigtoe spawning (ex. May 15 - June 1; July 15 - July 31), but believe the current request, if allowed, would likely result in impacts upon Attantic pigtoes.
Prince Edward County	222.0	spek007	UNT to Appomattox River		N	flay 15 to July 31		N/A	7/14/2018-7/31/2018	The work sits is upstream of waters froom to support sits threatened Allantic piptons. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of Allantic pigtoe spawning (ex. May 15 - June 1; July 15 - July 31), but believe the current request, if allowed, would likely result in impacts upon Atlantic pigtoes.
L		1	L	I				4	-	

Prince Edward County	222.1	spek008	UNT to Appomattox River		May 15 to July 31		N/A	7/14/2018-7/31/2018	The work site is upstream of waters known to support state threatened Atlantic pigtoes. We would be willing to provide leniency at the beginning and/or end of the recommended TOYR protective of Atlantic pigtoe spawning (ex. May 15- une 1; July 15- July 3), but believe the current request, if allowed, would likely result in impacts upon Atlantic pigtoes.
Dinwiddie County	252.7	sdim021	UNT to Butterwood		March 15 to June 30		N/A	6/12/2019-6/26/2019	This work site is located just upstream of Butterwood Creek, known to support federally endangered Roanoke
			Creek						logperch. As such, we cannot support work at this site during the TOYR protective of logperch spawning, as is currently requested. Recommended instream work TOYR for this crossing: March 15 through June 30 of any year
Dinwiddie County	253.9	ddic001	UNT to Butterwood Creek		March 15 to June 30		N/A	6/12/2019-6/26/2019	The work site is footined just gesterem of Butterwood Creak, known to support fortenity endangenet Reservice logenets. As such, we control support work at this site during the DVR protective of program (agent hyperwing), as is currently requested. Recommended instream work TOYR for this crossing: March 15 through June 30 of any year.
Dinwiddie County	254.0	sdic015	UNT to Butterwood Creek		March 15 to June 30		N/A	6/13/2019-6/27/2019	This work site is located just upstream of Buterwood Creek, known to support federally endangered Roamoke loggesth. As such, we cannot support work at this site during the TOYR protective of loggesth approximg, as is currently requested. Recommended instream work TOYR for this crossing: March 15 through June 20 of any year.
Dinwiddie County	254.3	sdic013	UNT to Butterwood Creek		March 15 to June 30		N/A	6/13/2019-6/27/2019	This work site is located just upstream of Butterwood Creek, known to support federally endangered Roamoke logoenth. As such, we cannot support work at this site during the TOYR protective of logoenth spowring, as is currently requested. Recommended instream work TOYR for this crossing: March 15 through June 80 of any year.
Dinwiddie County	255.9	sdib001	UNT to Beaver Pond Creek		March 15 to June 30		N/A	6/14/2019-6/28/2019	We do not recognize this tributary or Beaver Pond Creek as waters known to support Roanoke logperch. As such, we do not recommend adherence to a TOYK for instream work at this site. If there is information about presence of Roanoke logperch in this system about which was an unware, even a phathaps we should be, we recommend that such information be provided to us for additional consideration.
Dinwiddie County	256.2	sdil001	Beaver Pond Creek		March 15 to June 30		N/A	6/18/2019-6/30/2019	We do not recognize this tributary or Beaver Pond Creek as waters known to support Roanoke logperch. As such, we do not recommend adherence is a TOYK for instream work at this site. If there is information about presence of Roanoke logperch in this system about which was are unware, even if perhaps we should be, we recommend that such information be provided to us for additional consideration.
Dinwiddie County	256.5	sdil001	Beaver Pond Creek		March 15 to June 30		N/A	6/18/2019-6/30/2019	We do not recognize this tributary or Beaver Pond Creek as waters known to support Roanoke logperch. As such, we do not recommend adherence to a TOYR for instream work at this site. If there is information about presence of Roanoke logperch in this system about which was are unware, even if perhaps we should be, we recommend that such information be provided to us for additional consideration.
Dinwiddie County	256.7	sdio017	UNT to Beaver Pond Creek		March 15 to June 30		NA	6/20/2019-6/30/2019	We do not recognise this thotary of Beaver Pand Cinetia swaters known to support Rearrole loggerch. As such, we do not recommende dehensers to a ToYN for instream were due that size. If there is information about presence of Boundelo loggerch in this system about which we are unaware, even if perhaps we should be, we recommend that such information be provided to us for additional consideration.
Dinwiddie County	256.8	sdio019	UNT to Beaver Pond Creek		March 15 to June 30		N/A	6/20/2019-6/30/2019	We do not recognize this tributary or Beaver Pond Creek as waters known to support Roanoke logperch. As such, we do not recommend adherence to a TOYR for instream work at this site. If there is information about presence of Roanoke logperch in this system about which was are unware, even if perhaps we should be, we recommend that such information be provided to us for additional consideration.
Brunswick County	261.5	sbra202	UNT to Nottoway River		May 15 to July 31/March 15 to May 31/August 15 to Oct 15		N/A	6/26/2019-7/10/2019	This work alle is sporteem of the Nattoway River, known to support federally endangered Reancke togensh and state threatened Alteritic potors. As such, we cannot support work in at this alle during the TOYR protective of these spoots, as is currently impacted. Recommended instream work/TOYR for this crossing: March 15 through July 31 and August 15 through Oct 15 of any year
Brunswick County	267.4	sbrr014	Waqua Creek	March 15 to June 30	March 15 to June 30		5/9/2019 - 5/23/2019	N/A	The work site is in Wagan Creek, income to support folderally endangened Roanska toggerett. As such, we cannot support twork at this site during the TDVP protective of this success, as its cannot propulsed, Reasonmended Instances work TDVP for the second gradient of Berough Anna & Go dury year.
Brunswick County	267.9	sbro011	Big Branch		March 15 to June 30		5/11/2019 - 5/25/2019	N/A	The work late is the Big Broch known to septon federally endorgened Remote logarith. As such, we cannot the second secon
Brunswick County	271.6	sbrr005i	UNT to Sturgeon Creek		March 15 to June 30 and May 15 to July 31		N/A	7/13/2019-7/27/2019	This site is upstream of Sturgeon Creek, known to support state threatened Allantic pigtoes. Due to its distance upstream of Sturgeon Creek, we would be willing to provide lenkerky at the beginning and/or end of the recommended TOYR protective of Atlantic tiggies spawning (ex. May 15-1 une 1; July 15-1 uly 31), but believe the current request, if allowed, would likely result in impacts upon Atlantic pigtoes.
Brunswick County	271.9	sbrr006i	UNT to Sturgeon Creek		March 15 to June 30, May 15 to July 31, March 15 through M 31 and August 15 through October 15		N/A	7/13/2019-7/27/2019	The site is experiment of Storgens Device, known to support table therefore Alasian projects feetendly enterpresed floated to project and feetendly enterpresed feet measurements. At such the same support work at the site during the TOYR protective of these precises as is currently requested. Recommended instrume work TOYR for this crossing. March 15 through July 31 and Alaguet 15 through October 15 of any year.
Brunswick County	271.9	sbrr008	UNT to Sturgeon Creek		March 15 to June 30, May 15 to July 31, March 15 through M 31 and August 15 through October 15	ay S	N/A	7/13/2019-7/27/2019	This is the targetment of Strapeon Clinick, known to support attach investment phases (particular solution), where the strapeon of the strapeon clinic and a behavior that only an experimentation. As a strapeon support work at this site (using the TOVR) protective of these species as it is currently requested. Recommended instrame work TOVR for this crossing. March 15 through July 31 and August 15 through October 15 of any year.
Brunswick County	272.0	sbrr007	Sturgeon Creek	March 15 to June 30	March 15 - June 90 10 13 and August 15 through October 15 14 and August 15 through October 15		5/17/2019 - 5/31/2019	7/13/2019-7/27/2019	This data is updated of Storgen Clinks, known to support state invalence (details) products (see our apport that of the store of product and is following inclined invalence (details) products. If shared is not apport work at this ask outry the TOVR protective of these services, and is corrently requested. Easierd on the toreation of the store within the waterback, do use any special to reaching the TOVR protective of Advancements. Finally, we have it does not overlap the TOVR protective of the species tasks above (March 65, June 30) based on the location of the store in the waterback however, because the undergrave this the advancement FOVR, learnery from Anadoromas Finite protections does not modify our recommended TOVR. Recommended instream work TOVR for this crossing: March 15 through July 31 and August 15 through October 15 of any year
Brunswick County	272.9	sbro001	UNT to Spring Branch		March 15 to June 30 and May 15 to July 31		N/A	7/16/2019-7/30/2019	MISSING from Shapefile

Greensville County	285.9	sgra012	UNT to Meherrin River	March 15 - June 30	May 15 to July 31/April 15 to June 15 and August 15 to September 30	NIA	8/8/2019-8/22/2019	This work site is just upstram of the Meherin Rover, known to support state threatened green hosters an Altentropidots. As such, we cannot support work in this terms during spacetimes for these spe- is currently proposed. Based on the location in the watershed, we are agreeable to resconding the TOVP, protective of analyzonous falses where does not overlap with the TOVP, protective of this speciels listed (so that means leniency from March 15 - April 15). Recommended instream work TOVR for this creek April 15 through July 31 and August 15 through September 30 of any year
Greensville County	286.2	sgra014	UNT to Meherrin River	March 15 - June 30	May 15 to July 31/April 15 to June 15 and August 15 to September 30	NA	8/8/2019-8/22/2019	This work site is just upstream of the Meherrin Rover, known to support stats theastened green floaters an Attentic piptore. As such, we cannot support work in this stream during spawing advices for these ap- ils currently proposed. Based on the boundaries, we are agreenable to residucing the TOYR protective of anadromous floates where I clean to versite with the TOYR protective of the species floated (so that means floating from March 1-5, and 1-5). Recommended instream work TOYR for this creek April 15 through July 31 and August 15 through Beptember 30 of any year
Greensville County	286.8	sgra008	UNT to Meherrin River	March 15 - June 30	May 15 to July 31/April 15 to June 15 and August 15 to September 30	NA	8/8/2019-8/22/2019	This work site is just opstream of the Meherrin River, known to support stats threatened green floaters an Alternice piptore. As such, we cannot support work in this stream during spawning activities for thesis age is currently proposed. Based on the boardon in the waterached, we are agreemable to reaching the TOTP protective of anadomous fishes where if does not overlap with the TOTP protective of the species field (so that makes favore) for March 2- April 151. Recommended instream work TOTR for this cree April 15 through July 31 and August 15 through Beptember 30 of any year
Southampton County	30.7	wsoa017f	UNT to Nottoway March 15 River May 31 a August 1: October 1	to 5;	May 15 to July 31/April 15 to June 15 and August 15 to September 30	6/3/2018 - 6/17/2018	8/15/2018-8/17/2018	We are agreeable to rescinding the TOYR(s) previously recommended for work at this site.
Greensville County	287.0	sgro003	UNT to Meherrin River		May 15 to July 31 /April 15 to June 15 and August 15 to September 30	NA	8/9/2019-8/23/2019	The work site is upstream of the Maherim River, known to support state threatened green floaters and 7 pipiose. However, based on its distance upstream of the of the Maherim, we would be willing to some lenercy at the beginning and end of the TOYR (April 15 - May 1; Sept 15 - Sept 30), but be current request, if allowed, would lavel (Preuti) in Impacts upon green floaters. Based on the local site in the watershed, we are agreeable to reacrinding the TOYR protective of Anadromous Fishers, does not overlap with the TOYR protective of the species listed above (so that means leniency fr March 15 - April 15).