



Office of  
Energy  
Projects

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FERC/EIS-0303F

**FINAL  
SUPPLEMENTAL ENVIRONMENTAL IMPACT  
STATEMENT**

**for the**

**Atlantic Coast Pipeline Restoration Project and  
Supply Header Restoration Project**

Atlantic Coast Pipeline, LLC  
Eastern Gas Transmission and Storage, Inc.

Docket No. CP15-554-009  
Docket No. CP15-555-007

Federal Energy Regulatory Commission  
Office of Energy Projects  
Washington, DC 20426

**Cooperating Agencies:**



**U.S. Department of  
Agriculture  
Forest Service**



**U.S. Department of  
Interior  
Fish and Wildlife Service**

FEDERAL ENERGY REGULATORY COMMISSION  
WASHINGTON, D.C. 20426

OFFICE OF ENERGY PROJECTS

In Reply Refer To:  
OEP/DG2E/Gas 4  
Atlantic Coast Pipeline, LLC  
Eastern Gas Transmission and  
Storage, Inc.  
Docket Nos. CP15-554-009  
CP15-555-007

TO THE INTERESTED PARTY:

The staff of the Federal Energy Regulatory Commission (FERC or Commission) has prepared a final supplemental environmental impact statement (sEIS) for the Atlantic Coast Pipeline, LLC's (Atlantic) Atlantic Coast Pipeline Restoration Project, and Eastern Gas Transmission and Storage, Inc.'s (EGTS) Supply Header Restoration Project (Restoration Projects), in the above-referenced dockets. Atlantic and EGTS request authorization to implement the Restoration Projects in order to stabilize lands affected by previous construction efforts for the Atlantic Coast Pipeline and Supply Header Project, respectively, and to facilitate cessation of all project-related activities. Implementation of the plans is proposed because Atlantic and EGTS have cancelled their respective projects and do not intend to complete them.

The final sEIS assesses the potential impacts that would result from the Restoration Projects, in accordance with the requirements of the National Environmental Policy Act (NEPA).<sup>1</sup> The FERC staff concludes that the proposed actions, with the additional mitigation measures recommended in the sEIS, would continue to avoid or reduce impacts to less than significant levels, with the exception of climate change impacts, for which FERC staff is unable to determine significance.

The U.S. Department of Agriculture's Forest Service and the U.S. Department of the Interior's Fish and Wildlife Service participated as cooperating agencies in the preparation of the sEIS. Cooperating agencies have jurisdiction by law or special expertise with respect to resources potentially affected by the proposal and participate in the NEPA analysis.

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<sup>1</sup> The construction and operation impacts of the then-proposed Atlantic Coast Pipeline and Supply Header Project were evaluated in a final EIS, which was issued by the Commission on July 21, 2017, in Docket Nos. CP15-554-00, CP15-554-001; and CP15-555-000.



The sEIS addresses the potential environmental effects of the following activities:

- Atlantic proposes to leave all installed pipeline in place (approximately 31.4 miles of the pipeline right-of-way), restore lands that were cleared and graded (approximately 82.7 miles of the pipeline right-of-way), and leave felled trees in place in areas where trees have not yet been cleared (approximately 25.2 miles of the pipeline right-of-way). For aboveground facilities, Atlantic proposes to restore the sites and manage the disposition of the materials and land through an investment recovery process. Workspace for these activities would occur in West Virginia, Virginia, and North Carolina.
- EGTS proposes to leave all installed pipeline in place (approximately 11.7 miles), leave approximately 0.13 mile of felled trees in place, and complete final restoration of approximately 9 miles of the pipeline right-of-way that EGTS previously cleared and/or graded. EGTS proposes to stabilize all aboveground facility sites and prepare assets for long term preservation. Workspace for these activities would occur in Pennsylvania and West Virginia.

The Commission mailed a copy of the *Notice of Availability* for the final sEIS to federal, state, and local government representatives and agencies; elected officials; environmental and public interest groups; Native American tribes; potentially affected landowners and other interested individuals and groups; and newspapers and libraries in the project areas. The final sEIS is only available in electronic format. It may be viewed and downloaded from the FERC's website ([www.ferc.gov](http://www.ferc.gov)), on the natural gas environmental documents page (<https://www.ferc.gov/industries-data/natural-gas/environment/environmental-documents>). In addition, the sEIS may be accessed by using the eLibrary link on the FERC's website. Click on the eLibrary link (<https://elibrary.ferc.gov/eLibrary/search>), select "General Search," and enter the docket number in the "Docket Number" field, excluding the last three digits (i.e., CP15-554 or CP15-555). Be sure you have selected an appropriate date range. For assistance, please contact FERC Online Support at [FercOnlineSupport@ferc.gov](mailto:FercOnlineSupport@ferc.gov) or toll free at (866) 208-3676, or for TTY, contact (202) 502-8659.

Additional information about the project is available from the Commission's Office of External Affairs, at **(866) 208-FERC**, or on the FERC website ([www.ferc.gov](http://www.ferc.gov)) using the [eLibrary](#) link. The eLibrary link also provides access to the texts of all formal documents issued by the Commission, such as orders, notices, and rulemakings.

In addition, the Commission offers a free service called eSubscription which allows you to keep track of all formal issuances and submittals in specific dockets. This can reduce the amount of time you spend researching proceedings by automatically providing you with notification of these filings, document summaries, and direct links to the documents. Go to <https://www.ferc.gov/ferc-online/overview> to register for eSubscription.

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## TECHNICAL ACRONYMS AND ABBREVIATIONS

2017 Certificate Order	Order Issuing Certificates for CP15-554-000; CP15-554-001; CP15-555-000; and CP15-556-000
2017 FEIS	FERC’s July 21, 2017 Final Environmental Impact Statement for the Atlantic Coast Pipeline and Supply Header Project
ACP	Atlantic Coast Pipeline
ARD	acid rock drainage
Atlantic	Atlantic Coast Pipeline, LLC
ATWS	additional temporary workspace
BA	Biological Assessment
BE	Biological Evaluation
BIC	Best in Class (Steep Slope Management Program)
BO	Biological Opinion
Certificate	Certificate of Public Convenience and Necessity
CEQ	Council on Environmental Quality
CFR	Code of Federal Regulations
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
CO <sub>2</sub> e	CO <sub>2</sub> equivalents
Commission	Federal Energy Regulatory Commission
DETI	Dominion Transmission, Inc.
EGTS	Eastern Gas Transmission and Storage, Inc.
EI	Environmental Inspector
EIS	Environmental Impact Statement
EPA	U.S. Environmental Protection Agency
ESA	Endangered Species Act
ESC	erosion and sediment control
FBE	fusion bonded epoxy
FERC	Federal Energy Regulatory Commission
FERC <i>Plan</i>	FERC’s <i>Upland Erosion Control, Revegetation, and Maintenance Plan</i>
FERC <i>Procedures</i>	FERC’s <i>Wetland and Waterbody Construction and Mitigation Procedures</i>
Fire Plan	Fire Prevention and Suppression Plan
FS	U.S. Forest Service
FWS	U.S. Fish and Wildlife Service

FS Site Assessment	Site Assessment and Recovery Recommendations for the Atlantic Coast Pipeline
GHG	greenhouse gases
GWNF	George Washington National Forest
HPZ	high potential zone
ITS	Incidental Take Statement
M&R	meter and regulating
MNF	Monongahela National Forest
mi	mile(s)
MP	milepost
NEPA	National Environmental Policy Act
NFS	National Forest System
NLEB	northern long-eared bat
NOA	Notice of Amendment
NOI/NOS	Notice of Intent to Prepare a Supplemental Environmental Impact Statement and Notice of Schedule for Environmental Review for the Proposed Atlantic Coast Pipeline Disposition and Restoration Plan and Supply Header Project Restoration Plan
NRHP	National Register of Historic Places
NRW	Neuse River waterdog
OEP	Office of Energy Projects
OPP	FERC's Office of Public Participation
Order	Order Issuing Certificates
PM <sub>10</sub>	particulate matter with an aerodynamic diameter less than or equal to 10 microns
PM <sub>2.5</sub>	particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
RCW	red-cockaded woodpecker
RFSS	Regional Foresters' Sensitive Species
RPBB	rusty patched bumble bee
SCU	Stream Conservation Unit
sEIS	supplemental Environmental Impact Statement
SHP	Supply Header Project
SHPO	State Historic Preservation Office
SO <sub>2</sub>	sulfur dioxide
SPCC Plan	Spill Prevention, Control, and Countermeasures Plan
SWP	small-whorled pogonia
SWPPP	Stormwater Pollution Prevention Plans

TOYR	time of year restriction
TSS	total suspended solids
USGCRP	U.S. Global Change Research Program
VBEB	Virginia big-eared bat
VDCR	Virginia Department of Conservation and Recreation
VDEQ	Virginia Department of Environmental Quality
VOC	volatile organic compounds
WERMS	Virginia Wildlife Environmental Review Map Service
WVDEP	West Virginia Department of Environmental Protection
WVDNR	West Virginia Division of Natural Resources



## EXECUTIVE SUMMARY

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The staff of the Federal Energy Regulatory Commission (FERC or Commission) prepared this supplemental environmental impact statement (sEIS) to assess the environmental impacts associated with the Atlantic Coast Pipeline Restoration Project and the Supply Header Restoration Project (Restoration Projects, ACP Restoration Project, or SHP Restoration Project) as proposed by Atlantic Coast Pipeline, LLC (Atlantic) and Eastern Gas Transmission and Storage, Inc. (EGTS). Atlantic and EGTS cancelled the Atlantic Coast Pipeline and Supply Header Construction Projects, and propose to stabilize and restore lands affected by the previous construction efforts and facilitate cessation of all project-related activities.<sup>1</sup> The sEIS was prepared in compliance with the requirements of the National Environmental Policy Act (NEPA), the Council on Environmental Quality's regulations implementing procedural provisions of NEPA in Title 40 Code of Federal Regulations Parts 1500-1508 (40 CFR 1500-1508), and the FERC's regulations implementing NEPA in 18 CFR 380.

In 2016/2017, FERC staff prepared a final environmental impact statement for the Atlantic Coast Pipeline and Supply Header Construction Projects (2017 FEIS) to assess the potential environmental impacts that could result from the construction and operation of two separate, but related, interstate natural gas transmission pipelines and associated facilities proposed by the two companies. On October 13, 2017, the Commission authorized Atlantic and Dominion Energy Transmission, Inc.<sup>2</sup> (DETI) to construct and operate the ACP and SHP, respectively.

On July 5, 2020, Dominion Energy and Duke Energy (Atlantic's parent companies) issued a news release announcing the cancellation of the ACP. As a result, on November 20, 2020, EGTS filed the *Supply Header Project Restoration Plan*. On January 4, 2021, Atlantic filed the *Atlantic Coast Pipeline Disposition and Restoration Plan* (together, Restoration Plans).

The purpose of this sEIS is to:

1. identify and assess the potential impacts on the natural and human environment that would result from the proposed Restoration Projects through implementation of the Restoration Plans;
2. describe and evaluate reasonable alternatives to the proposed actions that would avoid or minimize adverse impacts on the environment;
3. identify and recommend specific mitigation measures, as necessary, to avoid or further reduce/minimize environmental impacts;

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<sup>1</sup> For clarity purposes, the prior construction projects will be referred to as the ACP Construction Project and the SHP Construction Project (or Construction Projects) in the remaining sections of the sEIS to distinguish them from the Restoration Projects.

<sup>2</sup> On November 1, 2020, Dominion Energy sold certain companies, including Dominion Energy Transmission, Inc. (the Supply Header Project developer), to Berkshire Hathaway Energy Company; and Dominion Energy Transmission, Inc. changed its name to Eastern Gas Transmission and Storage, Inc.

4. ensure that proposed strategies for restoration are in compliance with associated permits and authorizations and FERC standards; and
5. encourage and facilitate involvement by the public and interested agencies in the environmental review process.

Furthermore, we<sup>3</sup> are evaluating the details of the proposed actions to ensure that long-term stabilization and restoration are successful.

The FERC is the federal agency responsible for authorizing the Restoration Projects and is the lead federal agency for the preparation of this supplemental draft EIS in compliance with the requirements of NEPA. The U.S. Fish and Wildlife Service and the U.S. Department of Agriculture — Forest Service are cooperating agencies for development of this sEIS consistent with 40 CFR §1501.6(b) and interagency agreements. A cooperating agency has jurisdiction by law or has special expertise with respect to environmental resource issues associated with the project.

### **PROPOSED ACTION**

The ACP Restoration Project footprint, as proposed, is limited to the workspace required to remove fallen timber, restore and revegetate disturbed areas, and access the various work areas in West Virginia, Virginia, and North Carolina. Restoration activities would follow the *ACP Disposition and Restoration Plan*, to include leaving all installed pipe in place (approximately 31.4 miles), removing a portion of the previously felled trees that were not cleared (approximately 83.2 miles of the 108.4 miles felled in total), and restoring lands that were cleared and graded (approximately 82.7 miles). For the remaining approximately 25.2 miles of previously felled trees, Atlantic proposes to leave these in place. Restoration activities at ACP aboveground facilities (3 compressor stations, 9 meter and regulating stations, 30 monopoles and 11 towers) would range from backfilling of all open excavations to general site cleanup, stabilization, and reclamation/seedling.

The SHP Restoration Project footprint is limited to the workspace affected by the SHP Construction Project in Pennsylvania and West Virginia. Restoration activities would follow the *Supply Header Restoration Plan*, to include leaving in place approximately 11.7 miles of installed pipe, leaving approximately 0.13 mile of felled trees in place, and restoring and reclaiming the right-of-way where ground disturbance has occurred. For SHP aboveground facilities (mainly expansion of existing compressor stations), restoration activities include finishing substantially complete buildings, equipment installations, and site civil work, as well as site cleanup and stabilization.

### **PUBLIC INVOLVEMENT**

On March 2, 2021, the FERC issued a *Notice of Amendment of Certificates and Opening of Scoping Period* (NOA) for the Restoration Projects. The NOA explained the Certificate amendment process and opened a formal public scoping period to gather input on the proposed restoration activities. The NOA was sent to approximately 7,600 parties (including affected

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<sup>3</sup> We,” “us,” and “our” refers to environmental staff of the Commission’s Office of Energy Projects.

landowners, towns and communities, and local, state, and federal governments and agencies involved in the project) and was published in the Federal Register on March 8, 2021. Issuance of the NOA opened a 45-day scoping period for filing written comments; however, all environmental comments we received up until the time the draft sEIS for issuance were considered and addressed in this document. In total, we received approximately 105 correspondences generating 320 comments during the scoping period and up to the issuance of the draft sEIS.

On May 4, 2021, the FERC issued a *Notice of Intent to Prepare a Supplemental Environmental Impact Statement and Notice of Schedule for Environmental Review for the Proposed Atlantic Coast Pipeline Disposition and Restoration Plan and Supply Header Project Restoration Plan* (NOI/NOS). The NOI/NOS explained the supplemental NEPA process, generally described the proposed restoration activities associated with the disposition of the ACP and SHP; and asked other federal, state, and local agencies with jurisdiction and/or special expertise to cooperate with the FERC in the preparation of the sEIS. The NOI/NOS was sent to 13,345 parties, including federal, state, and local agencies; elected officials; environmental and public interest groups; Native American tribes; affected landowners; local libraries and newspapers; and other stakeholders who had previously indicated an interest in the ACP and SHP Construction Projects during the prior EIS effort under dockets CP15-554-000 and -001, and CP15-555-000. The NOI/NOS was published in the Federal Register on May 10, 2021.<sup>4</sup>

Only July 23, 2021, we issued a *Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project*. The draft sEIS was filed with the U.S. Environmental Protection Agency, and a formal notice of availability was issued in the Federal Register on July 29, 2021, indicating that the draft sEIS was available.<sup>5</sup> The notice of availability was mailed to more than 13,200 parties, including federal, state, and local government agencies; elected officials; Native American tribes; affected landowners; local libraries and newspapers; intervenors in the FERC's proceeding; and other interested parties (i.e., individuals who provided scoping comments or asked to be on the mailing list). The notice of availability established a comment period on the draft sEIS that ended on September 13, 2021.

In response to our notice, we received 25 comment letters from federal/state agencies, non-governmental organizations/community groups, and individuals. Each comment, along with our response, is provided in appendix L and discussed, if applicable, in the corresponding sEIS resource text.

## **PROJECT IMPACTS**

Implementation of the ACP and SHP Restoration Projects would result various impacts on the environment. The environmental topics addressed in this sEIS include geology; soils; groundwater and surface water; wetlands; vegetation; fish and wildlife; threatened, endangered, and other special-status species; land use and recreation; visual resources; socioeconomics (including environmental justice); cultural resources; air quality and noise; reliability and safety;

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<sup>4</sup> 86 Fed. Reg. 24856 (May 10, 2021).

<sup>5</sup> 86 Fed. Reg. 40820.

and cumulative impacts. Impacts from the Restoration Projects would be less than the Construction Projects as analyzed in the 2017 FEIS, in general, because restoration work would primarily occur in areas that were impacted by construction of the projects, and the overall work would be at a smaller scale. For the ACP, restoration work as proposed would impact 4,012 acres of workspace compared to 10,971 acres for construction; for SHP, restoration work would impact 491 acres of workspace compared to 805 acres for construction.

In response to comments from the EPA, we updated the environmental justice analyses with the most current available data and identified opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations. We identified that approximately 77 percent of the census block groups where restoration activities would take place are environmental justice communities as defined in the guidance. Based on our analysis in this sEIS, we conclude that impacts on environmental justice communities would be disproportionately high and adverse, as impacts in the Project area would be predominantly borne by environmental justice communities. However, impacts on environmental justice communities would be less than significant and temporary.

### **ALTERNATIVES CONSIDERED**

We reviewed alternatives to Atlantic and EGTS's proposals, including alternatives to address installed pipe and trees previously felled during construction but not yet removed from the right-of-way. We conclude that the "Leave All Felled Trees In Place Alternative" for the ACP Restoration Project would provide a significant environmental advantage when compared to the proposed action of removing felled trees from about 82.3 miles of the right-of-way. We also conclude that the other alternatives considered would not provide a significant environmental advantage over either Restoration Project. Therefore, we conclude that Atlantic's proposed action, with our recommended alternative for leaving felled trees in place, is the preferred alternative to meet the ACP Restoration Project's objectives. We also conclude that EGTS's proposed action is the preferred alternative to meet the SHP Restoration Project's objectives.

### **CONCLUSION**

Based on our analysis, we conclude that the ACP and SHP Restoration Projects, with the additional mitigation measures we recommended in the sEIS, would continue to avoid or reduce impacts to less than significant levels, with the exception of climate change impacts, which FERC staff is unable to determine significance. This determination is based on our review of information filed by Atlantic and EGTS, and further developed from data requests, scoping, literature research, and contacts with federal agencies. As part of our review, we developed specific mitigation measures that we determined would appropriately and reasonably reduce the environmental impacts resulting from restoration activities. Our recommended mitigation measures are presented in section 5.2 of the sEIS. We recommend that these mitigation measures be attached as conditions to any authorizations issued by the Commission.

## 1.0 INTRODUCTION

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On September 18, 2015, Atlantic Coast Pipeline, LLC (Atlantic) and Dominion Energy Transmission, Inc. (DETI) filed respective applications with the Federal Energy Regulatory Commission (FERC or Commission) in Docket Nos. CP15-554-000 and CP15-555-000 pursuant to sections 7(b) and 7(c) of the Natural Gas Act (NGA) and Parts 157 and 284 of the Commission's regulations to construct, operate, and maintain approximately 640 miles of natural gas pipeline facilities in Pennsylvania, West Virginia, Virginia, and North Carolina. Atlantic proposed to construct and operate the approximately 600-mile-long Atlantic Coast Pipeline (ACP), while DETI proposed to construct and operate the approximately 40-mile-long Supply Header Project (SHP).

The ACP involved construction and operation of 2 mainline pipeline facilities (AP-1 and AP-2), 3 pipeline laterals (AP-3, -4, and -5), 3 new compressor stations, 9 Meter and Regulating (M&R) stations, 41 valves, and 8 sets of pig launchers/receivers (see figure 1-1). ACP planned to deliver up to 1.5 billion cubic feet per day of natural gas to various customers in West Virginia, Virginia, and North Carolina. SHP involved construction and operation of two pipeline loops and modifications to four existing compressor stations that are located along DETI's existing natural gas transmission system (see figure 1-2). SHP planned to deliver up to 1.5 billion cubic feet per day of natural gas to various customers, including Atlantic. DETI also proposed to abandon in place two existing gathering compressor units (Hasting Compressor Units 1 and 2) at its existing Hastings Compressor Station in Wetzel County, West Virginia and replace the units with two new compressor units at the existing Mockingbird Hill Compressor Station.

In 2016/2017, FERC staff prepared a final Environmental Impact Statement (2017 FEIS) to assess the potential environmental impacts that could result from the construction and operation of two separate, but related, interstate natural gas transmission pipelines and associated facilities proposed by the two companies.<sup>6</sup>

On October 13, 2017, the Commission authorized Atlantic and DETI to construct and operate the ACP and SHP, respectively.<sup>7</sup> On June 16, 2020, DETI filed a request for a two-year extension of time for construction of the ACP and SHP, citing unforeseen delays in permitting.<sup>8</sup>

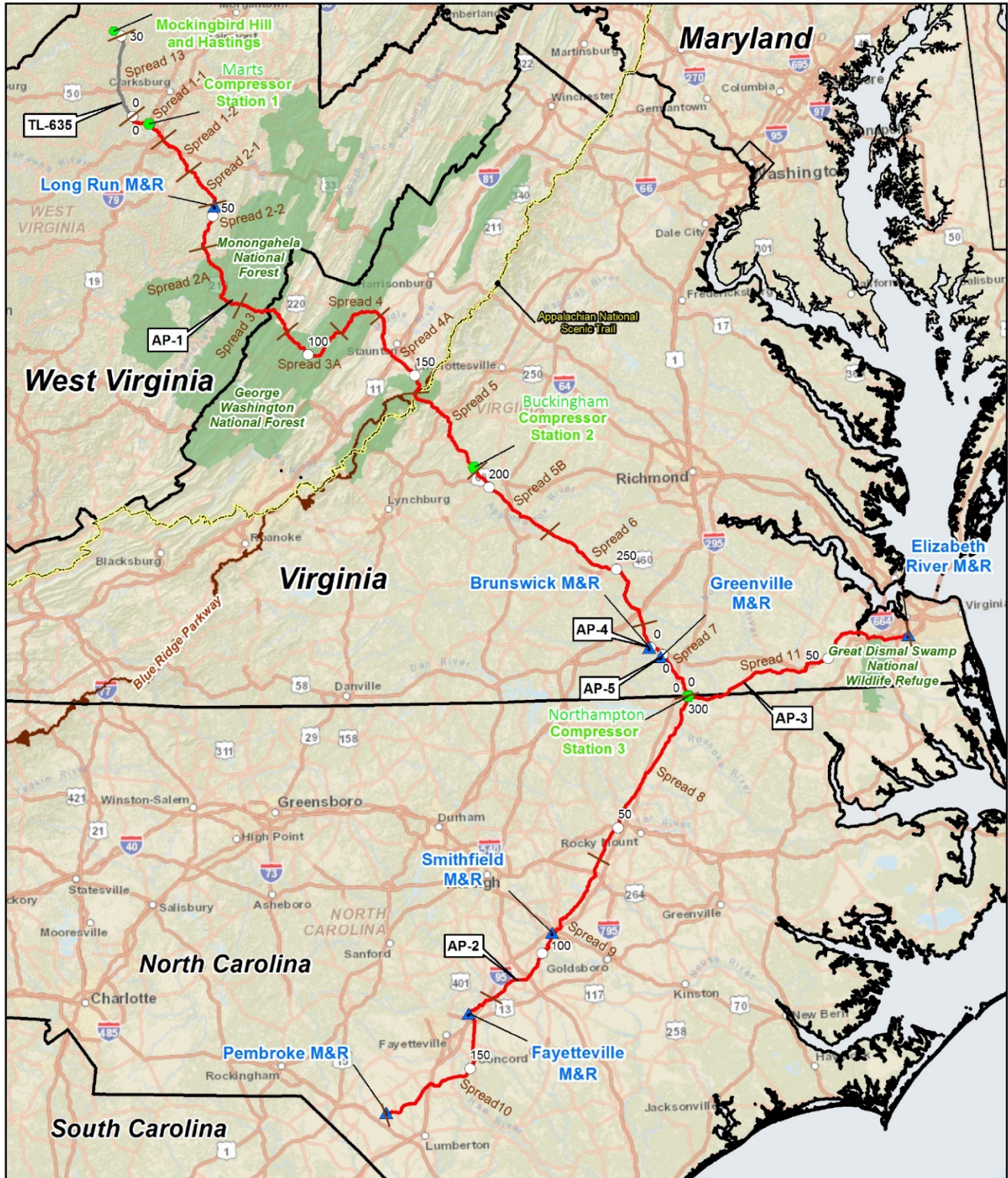
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<sup>6</sup> Atlantic Coast Pipeline and Supply Header Project Final Environmental Impact Statement, issued on July 21, 2017 (FERC eLibrary Accession No. 20170721-4000).

<sup>7</sup> *Order Issuing Certificates* for CP15-554-000; CP15-554-001; CP15-555-000; and CP15-556-000 (FERC eLibrary Accession No. 20171013-4003) (2017 Certificate Order).

<sup>8</sup> Request for Time Extension for the Atlantic Coast Pipeline and Supply Header Projects (FERC eLibrary Accession No. 20200616-5174).



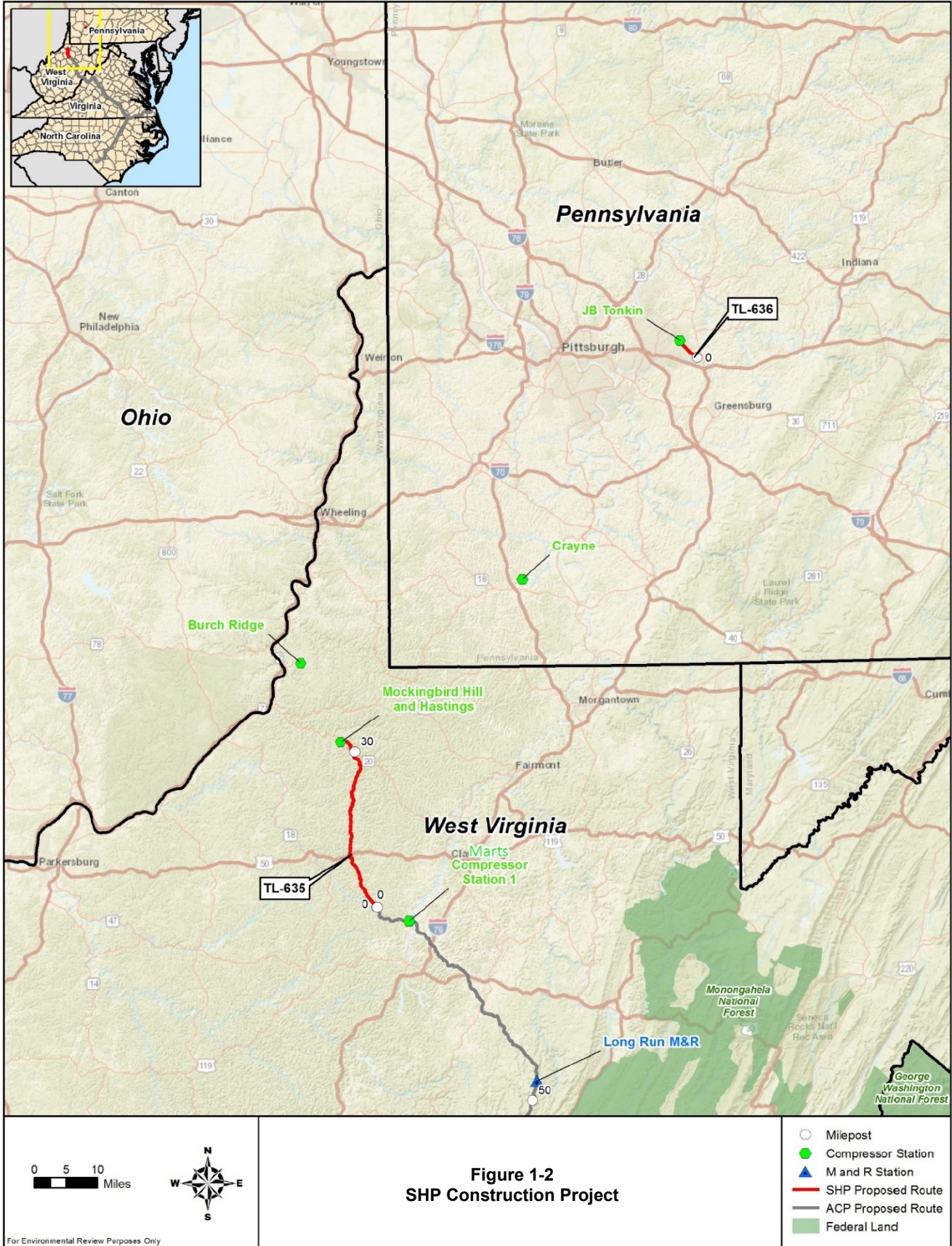


**Figure 1-1  
ACP Construction Project**

- Milepost
- Compressor Station
- ▲ M and R Station
- SHP Proposed Route
- ACP Proposed Route
- Appalachian National Scenic Trail
- Blue Ridge Parkway
- Federal Land

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In a letter dated December 7, 2018, Atlantic and DETI stopped construction on the projects, except for stand-down activities, in response to the stay of implementation of the U.S. Fish and Wildlife Service’s (FWS) 2018 Biological Opinion (BO) and Incidental Take Statement (ITS) ordered by the U.S. Court of Appeals for the Fourth Circuit.<sup>9</sup> On January 10, 2019, FERC authorized Atlantic and DETI’s *Interim Right-of-Way and Work Area Stabilization Plans*, which included longer-term measures necessary for stabilizing disturbed workspaces where construction activity was postponed.<sup>10 11</sup>

On July 5, 2020, Dominion Energy and Duke Energy (Atlantic’s parent companies) issued a news release announcing the cancellation of the ACP. On July 10, 2020, DETI filed a modification to the previous request for an extension of time, requesting a one-year extension for Atlantic to implement abandonment and restoration of ACP project areas.<sup>12</sup> DETI also reaffirmed its request for a two-year extension of time to construct and place into service portions of the SHP, as it continued to evaluate options for use of portions of that project.

On October 27, 2020, FERC staff issued an Information Request to Atlantic and Eastern Gas Transmission and Storage, Inc. (EGTS)<sup>13</sup> for the ACP and SHP, respectively, about details of their plans regarding the authorized facilities to determine if additional Commission authorizations are required in conjunction with the cancellations.<sup>14 15</sup> The request was for Atlantic and EGTS to provide a plan for disposition of ACP and SHP, including appropriate restoration activities.

On November 20, 2020, EGTS filed the *Supply Header Project Restoration Plan*.<sup>16</sup> On January 4, 2021, Atlantic filed the *Atlantic Coast Pipeline Disposition and Restoration Plan*.<sup>17</sup> In an April 7, 2021 supplemental filing, EGTS withdrew its previous request for an extension of time to complete the SHP.<sup>18</sup> With the cancellation of the ACP and SHP, the construction projects have been renamed to the Atlantic Coast Pipeline Restoration Project and the Supply Header Restoration Project (Restoration Projects, ACP Restoration Project, or SHP Restoration

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<sup>9</sup> *Supplemental Information* (FERC eLibrary Accession No. 20181207-5147).

<sup>10</sup> FERC eLibrary Accession No. 20181219-5240 (as supplemented on April 24, 2019 [eLibrary Accession No. 20190424-5136]).

<sup>11</sup> Approval of Interim Right-of-Way and Work Area Stabilization Plans (FERC eLibrary Accession No. 20190110-3043).

<sup>12</sup> Modification of Request for Extension of Time (FERC eLibrary Accession No. 20200710-5088).

<sup>13</sup> On November 1, 2020, Dominion Energy sold certain companies, including Dominion Energy Transmission, Inc. (the Supply Header Project developer), to Berkshire Hathaway Energy Company; and Dominion Energy Transmission, Inc. changed its name to Eastern Gas Transmission and Storage, Inc.

<sup>14</sup> As of November 1, 2020, Dominion Energy sold certain companies including Dominion Energy Transmission, Inc. to Berkshire Hathaway Energy Company. Dominion Energy Transmission, Inc. has changed its name to Eastern Gas Transmission and Storage, Inc. (EGTS).

<sup>15</sup> FERC Staff’s *Information Request* (FERC eLibrary Accession No. 20201027-3057).

<sup>16</sup> *Supply Header Restoration Plan* (FERC eLibrary Accession No. 20201120-5243).

<sup>17</sup> *Atlantic Coast Pipeline Disposition and Restoration Plan* (FERC eLibrary Accession No. 20210104-5278).

<sup>18</sup> EGTS’s response to FERC Staff’s March 18, 2021 Environmental Information Request (FERC eLibrary Accession No. 20210407-5220).



Project). For clarity purposes, the prior construction projects will be referred to as the ACP Construction Project and the SHP Construction Project (or Construction Projects) in the remaining sections of the supplemental Environmental Impact Statement (sEIS) to distinguish them from the Restoration Projects.

As part of its decision-making process, the Commission is required by the National Environmental Policy Act (NEPA) and the Commission’s implementing regulations to consider the environmental impacts resulting from applicant proposals, in this case, the proposed Restoration Projects. The Commission’s environmental staff has prepared this sEIS to assess the potential impacts on the natural and human environment that would result from the Restoration Projects.

The U.S. Department of Agriculture – Forest Service (FS) and the FWS are cooperating agencies assisting in the preparation of the sEIS because they have jurisdiction by law or special expertise with respect to environmental resources and impacts associated with the Restoration Projects. Both of these agencies were cooperating agencies for the original projects and the 2017 FEIS. The roles of the FERC and the cooperating agencies in the review process for both Restoration Projects are described in section 1.2.

The vertical line in the left margin identifies text that is new or modified in the final sEIS and differs materially from corresponding text in the draft sEIS. Changes were made to address comments from agencies and other stakeholders on the draft sEIS and as a result of updated information that became available after the issuance of the draft sEIS.

## **1.1 RESTORATION PROJECTS OBJECTIVES (PURPOSE AND NEED)**

Atlantic and EGTS propose to implement restoration activities that would stabilize lands affected by their previous construction efforts under the ACP and SHP Construction Projects, respectively, and facilitate their cessation of all project-related activities. Restoration of work areas is necessary because Atlantic and EGTS have cancelled the ACP and SHP Construction Projects.

## **1.2 PURPOSE AND SCOPE OF THIS SEIS**

Our<sup>19</sup> principal purposes in preparing this sEIS are to:

1. identify and assess the potential impacts on the natural and human environment that would result from the proposed Restoration Projects through implementation of the *Atlantic Coast Pipeline Disposition and Restoration Plan* and *Supply Header Project Restoration Plan*;<sup>20</sup>
2. describe and evaluate reasonable alternatives to the proposed actions that would avoid or minimize adverse impacts on the environment;

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<sup>19</sup> “We,” “us,” and “our” refer to environmental staff of the Commission’s Office of Energy Projects.

<sup>20</sup> Together, “Restoration Plans.”

3. identify and recommend specific mitigation measures, as necessary, to avoid or further reduce/minimize environmental impacts;
4. ensure that proposed strategies for restoration are in compliance with associated permits and authorizations and FERC standards; and
5. encourage and facilitate involvement by the public and interested agencies in the environmental review process.

Furthermore, we are evaluating the details of the proposed actions to ensure that long-term stabilization and restoration are successful to the extent practical.

The environmental topics addressed in this sEIS include geology; soils; groundwater and surface water; wetlands; vegetation; fish and wildlife; threatened, endangered, and other special-status species; land use and recreation; visual resources; socioeconomics (including environmental justice); cultural resources; air quality and noise; reliability and safety; and cumulative impacts. This sEIS describes the affected environment as it currently exists today (including construction activities previously undertaken), addresses the environmental consequences of the Restoration Projects, compares the Restoration Projects' potential impacts to those of various alternatives, and also presents our conclusions and recommended mitigation measures. This sEIS incorporates by reference the entire 2017 FEIS.

### **1.2.1 Federal Energy Regulatory Commission**

As the lead federal agency, we prepared this sEIS to assess the environmental impacts that could result from the Restoration Projects. This document was prepared in compliance with the requirements of NEPA, the Council on Environmental Quality's regulations implementing procedural provisions of NEPA in Title 40 Code of Federal Regulations Parts 1500-1508 (40 CFR 1500-1508), and the FERC's regulations implementing NEPA in 18 CFR 380.<sup>21</sup>

The Commission will consider the findings contained herein as well as non-environmental issues in its review of the Restoration Projects. Approval of the Restoration Projects will be granted only if the Commission finds that the Restoration Projects are in the public interest. Environmental impact analyses and mitigation development are important factors in the overall public interest determination.

The Commission may impose conditions in any authorization it may issue for the Restoration Projects. These conditions could include requirements and mitigation measures identified or recommended in this sEIS to minimize environmental impacts associated with restoration activities (see section 5.2). We will recommend to the Commission that certain mitigation measures (indicated with bold type in the text) be included as required conditions to any approving Order issued for the Restoration Projects. Further, Atlantic and EGTS would be required to implement the restoration procedures and mitigation measures they have proposed in

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<sup>21</sup> On July 16, 2020, the Council on Environmental Quality issued a final rule, Update to the Regulations Implementing the Procedural Provisions of the National Environmental Policy Act (Final Rule, 85 Fed. Reg. 43,304), which was effective as of September 14, 2020; however, the NEPA review of this Project was in process at that time and therefore this sEIS was prepared pursuant to the 1978 regulations.

filings with the FERC, including those in appendices of this sEIS, unless specifically modified by the Commission.

Other regulatory agencies also may include terms and conditions or stipulations as part of their permits or approvals. While there would be jurisdictional differences between the FERC's and other agencies' conditions, Atlantic's and EGTS's environmental inspection program during implementation of the Restoration Projects would address environmental- or restoration-related conditions or other permit requirements placed on the companies by all regulatory agencies.

## **1.2.2 Cooperating Agencies**

### ***1.2.2.1 U.S. Fish and Wildlife Service***

The FWS elected to participate as cooperating agency for preparation of this sEIS due to its responsibilities under the Endangered Species Act (ESA), Migratory Bird Treaty Act, and the Bald and Golden Eagle Protection Act. The FWS also has special expertise regarding effects on fish and wildlife and other environmental values, and works to conserve, protect, and recover species under the ESA.

### ***1.2.2.2 U.S. Department of Agriculture — Forest Service***

The FS is a civilian federal agency within the U.S. Department of Agriculture. The mission of the FS is to sustain the health, diversity, and productivity of the national forests and grasslands to meet the needs of present and future generations. It is the responsibility of the FS to manage the national forests for multiple uses of resources such as water, forage, wildlife, wood, recreation, minerals, and wilderness; and to provide products and benefits to benefit the American people while ensuring the productivity of the land and protecting the quality of the environment. The agency carries out this mission through four main activities: international assistance in forest management, domestic community assistance to help protect and manage non-federal forest lands, forestry research, and the protection and management of National Forest System (NFS) lands. Although the agency manages NFS lands under many laws and regulations, three Acts primarily govern the mission of the FS: The Multiple-Use Sustained-Yield Act of 1960, NEPA, and the National Forest Management Act of 1976.

## **Monongahela National Forest and George Washington National Forest**

Atlantic submitted an application for a special use permit to construct a natural gas pipeline – the ACP – beginning in 2015. The 42-inch-diameter ACP pipeline was planned to cross 5.1 miles of the Monongahela National Forest (MNF) and 15.1 miles of the George Washington National Forest (GWNF). There would have been a 125-foot-wide nominal construction right-of-way (reduced to 75 feet wide in most wetlands and other ecologically sensitive areas, such as riparian habitat). The pipeline would have been constructed and maintained in accordance with a *Construction, Operations, and Maintenance Plan* that included details on restoration, rehabilitation, visual resources, and all required mitigation for reducing or eliminating impacts on resources.

The FS was a cooperating agency for the 2017 FEIS and adopted it in the FS' December 2017 Record of Decision signed by the Southern and Eastern Regional Foresters. On December 13, 2018, the Fourth Circuit Court of Appeals vacated the FS' Record of Decision and the

Special Use Permit issued to the ACP (*Cowpasture River Preservation Ass'n v. U.S. Forest Service*) and remanded the issues back to the FS for further proceedings. The court found that the FS improperly adopted the FERC's 2017 FEIS because no documentation existed to corroborate that the 2017 FEIS satisfied the FS' comments and suggestions.

On June 11, 2020, the FS issued a Notice of Intent to prepare a sEIS with the purpose of responding to the court's issues and addressing the changed conditions that had occurred since 2018.<sup>22</sup> The FS was in the process of drafting its supplement EIS when Dominion Energy and Duke Energy issued an announcement of the cancellation of the ACP on July 5, 2020. On October 2, 2020, the FS (MNF and GWNF) withdrew its Notice of Intent to prepare a Supplemental Environmental Impact Statement for the ACP and SHP.<sup>23</sup>

Prior to the ACP being cancelled, Atlantic had implemented some actions on lands administered by FS, namely, felling of trees on almost 9 miles of the pipeline corridor through a timber contract - 4.4 miles on the MNF and 4.2 miles on the GWNF. The felled trees were not cleared and remain on site. The areas where trees were felled continue to be monitored by the FS and Atlantic for potential erosion and sedimentation issues.

The FS' main objective is to minimize additional impacts to resources on the MNF and GWNF. Subsequently, the FS prepared a *Site Assessment and Recovery Recommendations for the Atlantic Coast Pipeline*, December 2020 (*FS Site Assessment*), which is included as appendix I of the *Atlantic Coast Pipeline Disposition and Restoration Plan*. Proposed activities that Atlantic would implement on lands administered by FS, as part of the ACP Restoration Project, are discussed further in section 2.1.5 of this sEIS.

### **1.3 CONSTRUCTION STATUS OF THE ACP AND SHP**

#### **1.3.1 ACP**

Prior to the cancellation of the ACP Construction Project, construction progress at project aboveground facility sites range from none (i.e., no ground disturbance or trees felled) to essentially complete (i.e., major equipment installed, and civil, mechanical, and electric work completed). For sites with minimal land disturbance, Atlantic proposes to clean up and restore the sites. At the Marts Compressor Station, the Northampton Compressor Station and the Smithfield M&R Station, all of which had extensive construction progress, Atlantic would manage the disposition of the materials and land through its investment recovery efforts (see additional discussion in section 1.7).

On the pipeline spreads, progress varied from none (i.e., no ground disturbance or trees felled) to almost complete (i.e., pipe installed and permanent restoration completed). Atlantic

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<sup>22</sup> Warm Springs, North River, and Glenwood-Pedlar Ranger Districts, George Washington National Forest; Highland, Bath, and Augusta Counties, Virginia; Marlinton Ranger District, Monongahela National Forest; Pocahontas County, West Virginia, Atlantic Coast Pipeline and Supply Header Supplemental Environmental Impact Statement, 85 Fed. Reg. 35634 (June 11, 2020).

<sup>23</sup> Warm Springs, North River, and Glenwood-Pedlar Ranger Districts, George Washington National Forest; Highland, Bath, and Augusta Counties, Virginia; Marlinton Ranger District, Monongahela National Forest; Pocahontas County, West Virginia, Atlantic Coast Pipeline and Supply Header Supplemental Environmental Impact Statement, 85 Fed. Reg. 62274 (October 2, 2020).

performed approximately 222.5 miles of tree felling, and of this approximately 108.4 miles of trees are still lying on the right-of-way where they were cut. In addition, Atlantic installed approximately 31.4 miles of pipe and completed an additional 82.7 miles of clearing and grading (but where no pipe was installed).

The construction progress achieved on each construction spread is summarized in the following table 1.3.1-1.

<b>Table 1.3.1-1 Construction Progress Summary by Spread – ACP</b>							
<b>Spread</b>	<b>County/ State</b>	<b>Begin MP</b>	<b>End MP</b>	<b>Length (mi)</b>	<b>Timber Felled (not yet cleared) (mi)</b>	<b>Pipe Installed (mi)</b>	<b>Other Disturbance <sup>a/</sup> (mi)</b>
1-1	Harrison & Lewis/WV	0.0	17.2	17.2	1.7	4.0	13.9
1-2	Lewis & Upshur/WV	17.2	31.5	14.3	5.0	0.0	2.5
2-1	Upshur & Randolph/ WV	31.5	47.1	15.6	0.0	12.2	6.3
2-2	Randolph/WV	47.1	59.4	12.3	0.0	0.0	2.2
2A	Randolph & Pocahontas/WV	59.4	77.7	18.3	0.5	5.6	8.0
3	Pocahontas/WV	77.7	92.8	15.1	3.4	0.0	1.7
3A	Pocahontas/ WV	92.8	110.6	17.8	11.9	0.0	1.4
4	Highland & Bath/VA	110.6	125.1	14.5	0.0	0.0	0.0
4A	Bath & Augusta/VA	125.1	157.3	32.2	12.7	0.0	0.0
5	Augusta & Nelson/VA	157.3	194.6	37.3	1.0	0.0	0.0
5B	Nelson/VA	194.6	224.3	29.7	4.0	0.0	0.0
6	Nelson, Buckingham, Cumberland, Prince Edward, & Nottoway/ VA	224.3	272.8	48.5	33.7	0.0	0.0
7	Nottoway, Dinwiddie, Brunswick, & Greenville/VA and Northampton/NC	272.8	333.8	61.0	0.0	0.0	0.2
8	Northampton, Halifax, & Nash/NC	0.0	62.3	62.3	12.6	9.6	33.0
9	Nash, Wilson, Johnston, Sampson, & Cumberland/NC	62.3	126.7	64.4	0.0	0.0	0.1
10	Cumberland & Robeson/NC	126.7	186.2	59.5	17.0	0.0	13.2
11	Northampton, North Carolina, Greenville, & Southampton/VA and cities of Suffolk and Chesapeake/VA	0.0	83.3	83.3	4.8	0.0	0.2
12	Brunswick & Greenville/VA	0.0	1.4	1.4	0.0	0.0	0.0
	<b>Total</b>			<b>604.7</b>	<b>108.4</b>	<b>31.4</b>	<b>82.7</b>

<sup>a/</sup> "Other Disturbance" includes areas where clearing and/or grading were completed (but where no pipe was installed) and the right-of-way requires full restoration.

Table 1.3.1-2 summarizes the impacts associated with the construction of the ACP Construction Project prior to its cancellation.

<b>Table 1.3.1-2 Summary of Impacts Associated with the ACP Construction Project</b>	
<b>Project/Facility Type/Facility</b>	<b>Construction Impacts</b>
Acreage of land impacted	
Right-of-Way Construction	1,649.8
Tree Felling Only	1,241.7
Contractor Yards	332.2
Access Roads	126.2
Number of wetlands impacted	376 <sup>a/</sup>
Acreage of wetlands impacted	167.8
Number of waterbodies crossed	27 <sup>b/</sup>
Acreage of waterbodies crossed	0.8
Acreage of forest impacted	2,588.2
Acreage of public lands impacted	175.5
<sup>a/</sup> Includes seven wetlands where pipe was installed; the remainder were temporarily impacted during right-of-way preparation, including the installation of mats, tree felling, and/or vegetation clearing.	
<sup>b/</sup> Includes seven waterbodies where pipe was installed; the remainder were temporarily impacted during right-of-way preparation, including the installation of bridges/waterbody crossings, tree felling or vegetation clearing.	

### 1.3.2 SHP

Construction of the SHP was not completed. Progress at the SHP aboveground facility sites (mainly expansion of existing compressor stations) ranges from none (i.e., no ground disturbance or trees felled) to substantially complete. At locations where considerable construction progress was achieved, EGTS proposes to stabilize the sites and prepare the assets for long-term preservation, as EGTS owns the property on which each of the facilities is located.

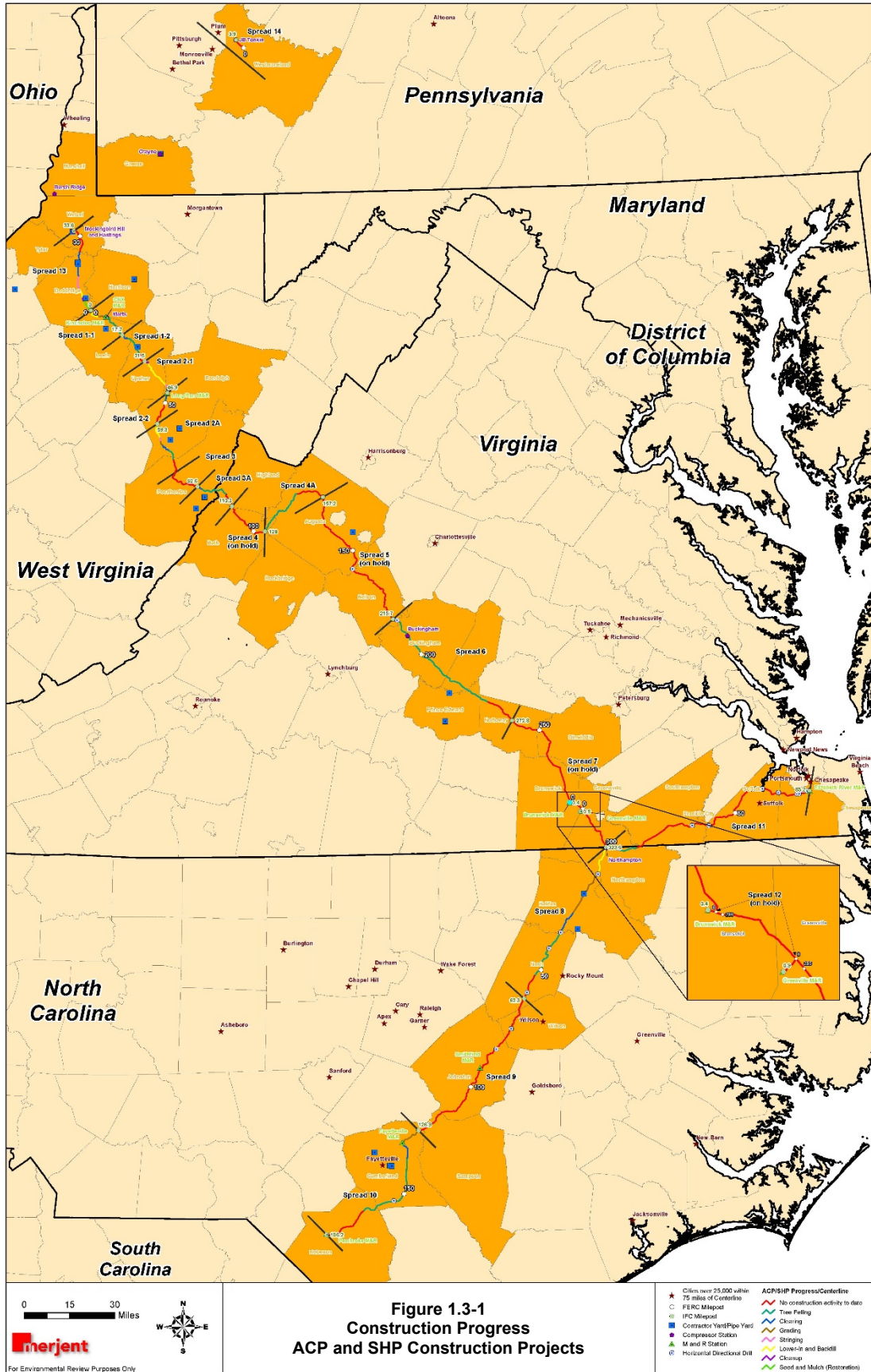
The SHP Construction Project included two pipeline spreads: Spread 13 consists of approximately 33.6 miles of pipeline in Harrison, Doddridge, Tyler, and Wetzel Counties, West Virginia; and Spread 14 consists of approximately 3.9 miles of pipeline in Westmoreland County, Pennsylvania, for a total of 37.5 miles of pipeline. Construction progress varies from none (i.e., no ground disturbance or trees felled) to substantially complete (i.e., pipe installed, and permanent revegetation completed). Table 1.3.2-1 provides details on construction progress.

Table 1.3.2-1 Construction Progress Summary by Spread – SHP							
Spread	County/ State	Begin MP	End MP	Length (mi)	Trees Felled /Trees Remaining on Ground (mi)	Clearing (mi)	Grading/ Pipe Installed (mi)
13	Wetzel, Doddridge, Tyler, & Harrison/WV	0.0	33.6	33.6	24.2/0.1	24.0	14.5/11.7
14	Westmoreland/PA	33.6	37.5	3.9	0.0	0.0	0.0

Table 1.3.1-2 summarizes the impacts associated with the construction of the SHP Construction Project prior to its cancellation.

Table 1.3.2-2 Summary of Impacts Associated with the SHP Construction Project	
Project/Facility Type/Facility	Construction Impacts
Acreage of land impacted	490.5
Number of wetlands impacted	7
Acreage of wetlands impacted	0.49
Number of waterbodies crossed	29
Acreage of waterbodies crossed	0.46
Acreage of forest impacted	337.9
Acreage of public lands impacted	1.0 <sup>a/</sup>
<sup>a/</sup> All public lands impacted were on the Lewis Wetzel Wildlife Management Area.	

Figure 1.3-1 provides a general overview of construction progress on the ACP and SHP Construction Projects prior to cancellation of both projects.





## 1.4 PUBLIC REVIEW AND COMMENT

On March 2, 2021, the FERC issued a *Notice of Amendment of Certificates and Opening of Scoping Period* (NOA) for the Restoration Projects. The NOA explained why the amendment process was initiated and opened a formal public scoping period to gather input on the restoration activities proposed in the Restoration Plans. The FERC directed Atlantic and EGTS to provide the NOA to all affected landowners and towns; communities; and local, state, and federal governments and agencies involved in the project within 10 business days of its publication in the Federal Register. The NOA was sent to approximately 7,600 parties, based on the most up-to-date contact information available. The NOA was published in the Federal Register on March 8, 2021.<sup>24</sup> Issuance of the NOA opened a 45-day scoping period for filing written comments on the Restoration Plans; however, all environmental comments we received prior to issuance of the draft sEIS was considered and addressed.

In total we received approximately 105 correspondences generating 320 comments during the scoping period and throughout the preparation of the draft sEIS. Table 1.4-1 summarizes the environmental issues and concerns identified by the commenters during the scoping process and identifies the sEIS section where each issue is addressed.

<b>Table 1.4-1 Environmental Issues and Concerns Raised During Public Scoping for the Atlantic Coast Pipeline and Supply Header Restoration Projects</b>	
Issue/Concern	EIS Section Addressing Issue
<b>GENERAL</b>	
Purpose and need for the project	1.1
Adequacy of length of scoping period	1.4
Restoration monitoring	2.6
Ability for landowners to communicate specific restoration requirements, including specific replanting requirements	2.4
No new tree felling in general and within established setbacks around wetlands and waterbodies	2.1.1.2
Completion of restoration in a timely manner	2.5
Restoration of lands affected by ACP construction to be returned to pre-ACP conditions	4.1
Compliance with all relevant federal statutes, permits, and authorizations	1.6
Compliance with all relevant state permits	1.6
<b>GEOLOGY</b>	
Restoration to be conducted in accordance with the Karst Plan	4.1.2
Impacts on caves and karst terrain	4.1.2
<b>SOILS</b>	
Monitoring for slips on steep slopes	4.1.1
Restore to pre-construction topography	4.1.1
Erosion impacts on soils; impacts of additional tree removal	4.6
Potential for corrosion and collapse of pipe left in the ground	4.14

<sup>24</sup> Notice of Amendment of Certificates and Opening of Scoping Period, 86 Fed. Reg. 13360 (March 8, 2021).

**Table 1.4-1  
Environmental Issues and Concerns Raised During Public Scoping for the  
Atlantic Coast Pipeline and Supply Header Restoration Projects**

Issue/Concern	EIS Section Addressing Issue
<b>WATER RESOURCES AND WETLANDS</b>	
Restoration and monitoring of impacts on the Jackson River	4.3.2
Restore waterbodies impacted by previous construction	4.3.2
Impacts on the Matthew Creek Stream Conservation Unit	4.3.2; 4.5.1.3
Impacts on wetlands, including permanent conversion of wetland classifications	4.4
Impacts on/from flood hazards	4.3.2
Impacts on floodplains	4.3.2
Impacts on groundwater, springs, wells, and drinking water supplies	4.3.1
Impacts on off-site borrow, spoil, or mitigation areas	4.3.2; 4.4
Impacts of tree removal on adjacent waterbodies	4.3.2
Impacts on riparian habitat, including riparian buffers along waterbodies	4.5.3
<b>VEGETATION, WILDLIFE, AND FISHERIES</b>	
Need for forest/tree loss mitigation/replacement	4.6.1
Use of native species for planting	4.6
Treat and monitor for invasive species that have established on the right-of-way, including lands administered by FS	4.6
Restoration of wildlife habitat	4.7.1
Impacts of additional tree removal on forests and riparian areas	4.5.3
Felled trees to be left in place	3.1.3.2
Adherence to recommended time-of-year tree felling restrictions	2.1.1.2
Impacts on local conservation and restoration activities and sites, including Peak Run Forest trail-Jackson River Pastures, Shady Lane Forest and Rt.640 Mill Creek Conservation Sites	4.8.1.6
Development of invasive species plan	2.1.4.5
Potential for fire danger from felled trees left in place	4.6.2
Impacts on aquatic and terrestrial wildlife and its habitat	4.5
No additional tree felling to support restoration activities	3.1.3
Increased potential for invasion or spread of undesirable vegetation and noxious weeds from previous construction efforts	4.6
Impacts on pollinators and pollinator habitat	4.7
Impacts on migratory bird species	4.7.2
<b>SPECIAL STATUS SPECIES</b>	
Impacts on freshwater mussel populations	4.5
Impacts on endangered species	4.8.1
Implement conservation measures for restoration of pollinator habitat, including reseed/replant rusty patch bumble bee habitat with pollinator-friendly plant species	4.7
Potential impacts on federally listed or sensitive species or their habitat	4.8.1
Impacts on state-listed or species of concern.	4.8.2
<b>LAND USE, RECREATION, AND VISUAL RESOURCES</b>	
Impacts on aesthetics	4.9.4
Return/release easements back to landowners	1.4; 4.9.2

<b>Table 1.4-1 Environmental Issues and Concerns Raised During Public Scoping for the Atlantic Coast Pipeline and Supply Header Restoration Projects</b>	
<b>Issue/Concern</b>	<b>EIS Section Addressing Issue</b>
Notification to landowners on when the temporary easement ends	4.9.2
Marking of the permanent easement boundaries	4.9.2.2
Potential for selling/subleasing easement rights	1.4
Impacts on recreation	4.9
Impacts on/consistency with existing conservation easements	4.9
<b>SOCIOECONOMICS</b>	
Impacts on property values/resale ability/encumberment of land from retainment of easements	4.10.1
Impacts on environmental justice communities	4.10.2
<b>CULTURAL RESOURCES</b>	
Atlantic to uphold historic and cultural resource treatments and mitigation	4.11.3
Restore all historic and cultural resources impacted by previous construction	4.11.6
Impacts on historic properties	4.11.1
<b>AIR QUALITY AND NOISE</b>	
Impacts on air quality during project activities	4.12
Impacts from noise during project activities	4.13
<b>SAFETY</b>	
Impacts from pipe corrosion from pipe left in ground	4.14
Impacts from pipe collapse from pipe left in ground	4.14
<b>CUMULATIVE IMPACTS</b>	
Potential cumulative impacts on aquatic resources	4.15
Potential cumulative impacts from nearby projects	4.15
<b>ALTERNATIVES</b>	
Remove installed pipe	3.1.2
Clearing more areas of felled trees	3.1.3
Clearing less areas of felled trees	3.1.3

In addition to the comments in tables 1.4-1, we also received comments requesting Atlantic to obtain recommendations from professionals on restoration and effects on historic and cultural resources and have non-governmental organizations provide oversight during restoration. Staff has conducted an analysis of the relevant issues, engaged the appropriate State Historic Preservation Office regarding effects on historic and cultural resources, and we are soliciting comment at this time. In addition, Commission staff will conduct compliance oversight during restoration.

During scoping, we received comments that raised issues that are outside the scope of this sEIS. For example, many commenters object to Atlantic and EGTS not relinquishing easements, request that easements are to be returned to landowners, indicated the potential for the companies to sell/sublease easement rights, and requested for FERC to intervene on behalf of landowners to negotiate the final disposition of easement agreements. Contractual issues

regarding easement agreements are not environmental issues and therefore are outside the scope of the sEIS.

We received comments asking the Commission to deny EGTS's request to extend the completion deadline for the SHP Construction Project. In its April 7, 2021 filed response to FERC Staff's March 18, 2021 Environmental Information Request, EGTS stated that the SHP will not be placed in service to provide incremental firm transportation of natural gas based on the current Order. Therefore, no extension of the Order condition related to timing for making its facilities available for service is needed, and EGTS has withdrawn its request for an extension of time to complete the SHP Construction Project as originally envisioned.

Some comments were administrative in nature. There was a request to extend the scoping period. Our NOA established a defined 45-day scoping period with a concluding date which is standard for EISs that we prepare; however, we continued to consider comments received after the close of the scoping period, up until the time we finished preparing the draft sEIS for issuance.

We also received procedural comments including how to file a motion to intervene. The procedure to file a motion of intervention is located on the FERC website at: <https://www.ferc.gov/how-intervene>. Another procedural question related to how FERC conducts its review prior to approving a project – that FERC needs to ensure that all stakeholders are provided due process and an opportunity to have their voice and views considered throughout the process. FERC's review process for natural gas projects includes notifying stakeholders, identifying environmental issues through scoping, and preparing environmental documents for public review and comment, such as Environmental Assessments or Environmental Impact Statements. These activities are all conducted prior to any Certificate that is issued by the Commission, and the Commission takes into consideration the findings and conclusions of all staff NEPA documents and public input when considering whether or not to approve any given project.

Another commentator requested FERC to process the proposed action as an abandonment under section 7(b) of the Natural Gas Act and not an amendment. However, section 7(b) states: "No natural-gas company shall abandon all or any portion of its facilities subject to the jurisdiction of the Commission ..."<sup>25</sup> Because the ACP project has not been placed into service, Atlantic is not a natural gas company subject to section 7(b).<sup>26</sup>

Other comments outside the scope of this supplement EIS and no longer relevant due to the cancellation of the ACP Construction Project include a request for a site-specific evacuation procedure in the vicinity of the Wintergreen Resort in the event of a gas explosion, to ensure the safety of the community; and request for a site-specific soil analysis prior to construction of the pipeline.

There were also comments requesting Atlantic to fund local environmental groups and for the Commission to consider additional protection and conservancy of lands that were

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<sup>25</sup> 15 U.S.C. § 717f(b).

<sup>26</sup> "Upon commencing the operations proposed in its application, Atlantic will become a natural gas company within the meaning of section 2(6) of the NGA." 2017 Certificate Order at P 5.

acquired by Atlantic for the construction of the ACP compressor station in Union Hill, Buckingham County, Virginia. These comments and requests are outside of the scope of the EIS.

On May 4, 2021, the FERC issued a *Notice of Intent to Prepare a Supplemental Environmental Impact Statement and Notice of Schedule for Environmental Review for the Proposed Atlantic Coast Pipeline Disposition and Restoration Plan and Supply Header Project Restoration Plan* (NOI/NOS). The (NOI/NOS) explained the supplemental NEPA process, generally described the proposed restoration activities associated with the disposition of the ACP and SHP; and asked other federal, state, and local agencies with jurisdiction and/or special expertise to cooperate with the FERC in the preparation of the sEIS. The NOI/NOS was sent to 13,345 parties, including federal, state, and local agencies; elected officials; environmental and public interest groups; Native American tribes; affected landowners; local libraries and newspapers; and other stakeholders who had previously indicated an interest in the ACP and SHP Construction Projects during the prior EIS effort under dockets CP15-554-000 and -001, and CP15-555-000. The NOI/NOS was published in the Federal Register on May 10, 2021.<sup>27</sup>

Only July 23, 2021, we issued a *Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project*. The draft sEIS was filed with the U.S Environmental Protection Agency (EPA), and a formal notice of availability was issued in the Federal Register on July 29, 2021, indicating that the draft sEIS was available.<sup>28</sup> The notice of availability was mailed to more than 13,200 parties, including federal, state, and local government agencies; elected officials; Native American tribes; affected landowners; local libraries and newspapers; intervenors in the FERC's proceeding; and other interested parties (i.e., individuals who provided scoping comments or asked to be on the mailing list). The distribution list was included as appendix A of the draft sEIS. The notice of availability established a comment period on the draft sEIS that ended on September 13, 2021. The notice also described procedures for filing comments on the draft sEIS and how information about ACP and SHP Restoration Projects could be found on the FERC's website.

We received 25 comment letters from federal/state agencies, non-governmental organizations/community groups, and individuals in response to the draft sEIS. While the draft sEIS comment period closed on September 13, 2021, we continued to accept and review comments past the closing date. The leading topics submitted by commentors on the draft sEIS related to: easements, contracts, and compensation; alternatives to the proposed action; karst, steep slopes, wetlands, waterbodies, federally listed species, and safety; and general comments regarding the FERC process and the applicability of our *Upland Erosion Control, Revegetation, and Maintenance Plan* (FERC Plan) and *Wetland and Waterbody Construction and Mitigation Procedures* (FERC Procedures). Appendix L provides a copy of each comment filed on the draft sEIS as well as our corresponding response.

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<sup>27</sup> Notice of Intent to Prepare a Supplemental Environmental Impact Statement and Notice of Schedule for Environmental Review for the Proposed Atlantic Coast Pipeline Disposition and Restoration Plan and Supply Header Project Restoration Plan, 86 Fed. Reg. 24856 (May 10, 2021).

<sup>28</sup> 86 Fed. Reg. 40820.

The notice of availability for the final sEIS is being mailed to the agencies, tribes, individuals, and organizations on the distribution list provided in appendix A, and has also been filed with the EPA for issuance of a formal public notice of availability in the Federal Register. In accordance with the Council on Environmental Quality's (CEQ) regulations implementing NEPA, no agency decision on a proposed action may be made until 30 days after the EPA publishes a notice of availability of the final EIS in the federal register. However, the CEQ regulations provide an exception to this rule when an agency decision is subject to a formal internal appeal process that allows other agencies or the public to make their views known. In such cases, the agency decision may be made at the same time the notice of this final sEIS is published, allowing both periods to run concurrently. The Commission decision for this proposed action is subject to a 30-day rehearing period.

## 1.5 APPLICABLE PLANS

Table 1.5-1 lists the plans that Atlantic and EGTS propose to implement for the Restoration Projects and the associated FERC eLibrary Accession Numbers or web links.

<b>Table 1.5-1 Applicable Plans for the ACP and SHP Restoration Projects</b>			
<b>Plan Name</b>	<b>ACP</b>	<b>SHP</b>	<b>FERC eLibrary Accession No./ Web Link</b>
Atlantic Coast Pipeline Disposition and Restoration Plan	x		20210104-5278
Supply Header Project Restoration Plan		x	20201120-5243
Plan for Discovery of Unanticipated Paleontological Resources	x		20170825-5201
Restoration & Rehabilitation Plan (Rev. 8, as modified)	x	x	20180305-5034; 20210407-5244
2013 Upland Erosion Control, Revegetation, and Maintenance Plan	x	x	<a href="https://www.ferc.gov/industries/gas/enviro/plan.pdf">https://www.ferc.gov/industries/gas/enviro/plan.pdf</a>
2013 Wetland and Waterbody Construction and Mitigation Procedures	x	x	<a href="https://www.ferc.gov/industries/gas/enviro/procedures.pdf">https://www.ferc.gov/industries/gas/enviro/procedures.pdf</a>
Migratory Bird Plan (Updated, Rev. 5)	x	x	20171018-5002
Freshwater Mussel Relocation Protocol for ACP in North Carolina	x		20181130-5186
North Carolina Revised Fish and Other Aquatic Taxa Collection and Relocation Protocol for Instream Activities	x		20181130-5186
Timber Removal Plan (Rev.2, as modified)	x	x	20171018-5002; 20210407-5244
Karst Terrain Assessment Construction, Monitoring, and Mitigation Plan, as modified	x		20180419-5261; 20210407-5244
Organic Farm Protection Plans	x		20170908-5185
Traffic and Transport Management Plan	x		20160718-5164
Non-Native Invasive Plant Species Management Plan (Rev.5, as modified)	x	x	20171018-5002; 20210407-5244
Fire Prevention & Suppression Plan, as modified	x	x	20180126-5073; 20210407-5244
Fugitive Dust Control & Mitigation Plan	x	x	20160718-5164
Open Burning Plan	x		20160701-5255

<b>Table 1.5-1 Applicable Plans for the ACP and SHP Restoration Projects</b>			
<b>Plan Name</b>	<b>ACP</b>	<b>SHP</b>	<b>FERC eLibrary Accession No./ Web Link</b>
Protected Snake Conservation Plan	x		20160729-5256
Gypsy Moth and Red Imported Fire Ant Management Plan	x		20200604-5021
Spill Prevention Control & Countermeasures Plan	x	x	20160718-5164
Historic Cemetery Protective Treatment Plan NC	x		20170728-5119
Historic Cemetery Protective Treatment Plan VA	x		20170728-5119
Historic Cemetery Protective Treatment Plan VA	x		20170728-5119
VA Fish Relocation Plan	x		20170922-5153
Myotid Conservation Plan	x	x	20170505-5037
FWS and VDIGF Freshwater Mussel Survey Guide for Virginia	x		Available online at: <a href="https://dwr.virginia.gov/wp-content/uploads/mussel-guidelines-11-2018.pdf">https://dwr.virginia.gov/wp-content/uploads/mussel-guidelines-11-2018.pdf</a>
Haul Plan	x		20171201-5302
Treatment Plan for Rock Walls and Rock Features	x		20180502-5019
Unanticipated Discoveries Plan North Carolina	x		20180110-5019
Unanticipated Discoveries Plan Virginia	x		20180110-5019
Unanticipated Discoveries Plan West Virginia	x		20180110-5019
Well Sampling Plan	x		20161117-5168
Programmatic Agreement for the Atlantic Coast Pipeline and Supply Header Projects	x	x	20180119-3012
Contaminated Media Plan	x	x	20170825-5201

## **1.6 PERMITS, APPROVALS, AND REGULATORY REQUIREMENTS**

A list of major environmental permits, approvals, and consultations for the ACP and SHP is provided in tables 1.6-1 and 1.6-2. Atlantic and EGTS would be responsible for obtaining all permits and approvals required for the ACP and SHP Restoration Projects, regardless of whether they appear in these tables.

**Table 1.6-1  
Federal, State, and Local Authorizations for the Atlantic Coast Pipeline Restoration Project**

Agency	Permit/Approval/Clearance	Status
<b>FEDERAL</b>		
Federal Energy Regulatory Commission (FERC)	Commission Authorization	Pending
National Oceanic and Atmospheric Administration; National Marine Fisheries Service	Consultation under Section 7 of the ESA and Section 305 of the Magnuson-Stevens Act	Restoration activities are covered under the consultation completed in September 2017 (FERC eLibrary Accession No. 20171013-5176).
U.S. Army Corps of Engineers		
Huntington, Pittsburg, Norfolk, and Wilmington Districts	Permits Under Section 404 of the Clean Water Act (CWA) and Section 10 of the Rivers and Harbors Act	Atlantic is coordinating with each district regarding impacts on wetlands and waterbodies needed for the restoration activities. If required, new pre-construction notification packages to be submitted to each District to support 404 Permit approval, following issuance of the FWS BO.
U.S. Fish & Wildlife Service		
West Virginia, Virginia, and North Carolina Ecological Field Services Offices	Consultation under Section 7 of the ESA	FERC staff transmitted the Biological Assessment for the restoration activities and initiated formal Section 7 ESA consultation on November 5, 2021. FWS provided comments and concurrence on species on December 9, 2021; however, section 7 ESA consultation is ongoing.
Advisory Council on Historic Preservation	Consultation under Section 106 of the National Historic Preservation Act (NHPA)	Restoration activities to be conducted in accordance with the programmatic agreement finalized in January 2018 (FERC eLibrary Accession No. 20180119-3012).
<b>WEST VIRGINIA</b>		
West Virginia Department of Environmental Protection (WVDEP)		
Division of Water and Waste Management	Water Quality Certificate under Section 401 of the CWA	Atlantic is coordinating with the WVDEP regarding impacts from restoration activities.
	General Water Pollution Control Permit for Construction Stormwater	A modification package to reflect restoration workspace to be submitted in Q4 2021. Approval is anticipated in Q1 2022.
Division of Natural Resources, Office of Land and Streams	Stream Activity Permit	Restoration activities are covered under the stream activity permits received for the construction project.
Division of Culture and History	Consultation under Section 106 of the NHPA	Restoration activities to be conducted in accordance with the programmatic agreement finalized in January 2018.
Counties	Floodplain Permits	Restoration activities are covered under the floodplains permits received for the construction project.
<b>VIRGINIA</b>		
Virginia Department of Environmental Quality		



**Table 1.6-1  
Federal, State, and Local Authorizations for the Atlantic Coast Pipeline Restoration Project**

<b>Agency</b>	<b>Permit/Approval/Clearance</b>	<b>Status</b>
Coastal Zone Management Program	Consistency Determination under the Virginia Coastal Zone Management Program	Restoration activities are covered under the determination received in June 2017 (FERC eLibrary Accession No. 20170728-5118).
Water Division	Water Quality Certificate under Section 401 of the CWA	Atlantic is coordinating with the Virginia Department of Environmental Quality (VDEQ) regarding impacts from restoration activities.
	Upland Water Quality Certificate under Section 401 of the CWA	Atlantic is coordinating with the VDEQ regarding impacts from restoration activities
	Stormwater Pollution Prevention Plan Approval (Erosion and Sediment Control and Stormwater Management)	Plans for the restoration workspace will be administered (reviewed/approved) by Atlantic under Annual Standards and Specifications. This is anticipated to be completed in Q4 2021.
Virginia Department of Historical Resources	Consultation under Section 106 of the NHPA	Restoration activities will be conducted in accordance with the programmatic agreement finalized, signed and implemented in January 2018.
Counties	Floodplain Permits	Restoration activities are covered under the floodplains permits received for the construction project.
<b>NORTH CAROLINA</b>		
North Carolina Department of Environmental Quality		
Division of Water Resources	Water Quality Certificate under Section 401 of the CWA	Atlantic is coordinating with the North Carolina Department of Environmental Quality (NCDEQ) regarding impacts from restoration activities.
	Riparian Zone Buffer Authorization	Atlantic is coordinating with the NCDEQ regarding impacts from restoration activities.
North Carolina Department of Natural and Cultural Resources — Division of Energy, Mineral, and Land.	General Permit to Discharge Stormwater under the National Pollutant Discharge Elimination System Resources; General Permit to Construct a Linear Utility Line and Associated Incidental Built-Upon Area	A modification package to reflect restoration workspace to be submitted in Q4 2021. Approval is anticipated in Q1 2022.
North Carolina State Historic Preservation Office	Consultation under Section 106 of the NHPA	Restoration activities to be conducted in accordance with the programmatic agreement finalized in January 2018.
Counties	Floodplain Permits	Restoration activities are covered under the floodplains permits received for the construction project.

**Table 1.6-2  
Federal, State, and Local Authorizations for the Supply Header Restoration Project**

Agency	Permit/Approval/Clearance	Status
<b>FEDERAL</b>		
Federal Energy Regulatory Commission (FERC)	Commission Authorization	Pending
U.S. Army Corps of Engineers (USACE)		
Huntington District	Permits under Section 404 of the Clean Water Act (CWA)	EGTS is coordinating with the USACE regarding impacts on wetlands and waterbodies needed for the restoration activities. The original verification received for the project will be reinstated once the Section 7 of the ESA requirements are satisfied.
U.S. Fish & Wildlife Service		
West Virginia and Pennsylvania Ecological Field Services Offices	Consultation under Section 7 of the ESA	A Biological Evaluation was submitted Q1 2021 for the restoration activities. FWS provided concurrence letter November 29, 2021.
Advisory Council on Historic Preservation	Consultation under Section 106 of the National Historic Preservation Act (NHPA)	Restoration activities are covered under the Programmatic Agreement finalized in January 2018 (FERC eLibrary Accession No. 20180119-3012).
<b>WEST VIRGINIA</b>		
West Virginia Department of Environmental Protection (WVDEP)		
Division of Water and Waste Management	Water Quality Certificate under Section 401 of the CWA	Authorization covered under Nationwide Permit #12.
	General Water Pollution Control Permit for Construction Stormwater; Modification 1, 2, and 3.	Restoration activities are covered under the existing construction stormwater permit. An additional modification to be filed with WVDEP to remove facilities.
Division of Natural Resources, Office of Land and Streams	Stream Activity Permits	Restoration activities are covered under the stream activity permits received for the construction project.
Division of Culture and History	Consultation under Section 106 of the NHPA	Restoration activities are covered under the Programmatic Agreement finalized in January 2018 (FERC eLibrary Accession No. 20180119-3012).
Counties	Floodplain Permits – Doddridge and Wetzel Counties	Restoration activities are covered under the Doddridge County floodplains permits received for the construction project. Permit renewed to 4/27/2022.
<b>Pennsylvania</b>		
Pennsylvania Department of Environmental Protection		
Southwest Regional Office	Water Quality Certificate under Section 401 of the CWA	Restoration activities are covered under the existing Water Quality

**Table 1.6-2  
Federal, State, and Local Authorizations for the Supply Header Restoration Project**

<b>Agency</b>	<b>Permit/Approval/Clearance</b>	<b>Status</b>
	and Modification	Certification.
Pennsylvania State Historic Preservation Office	Consultation under Section 106 of the NHPA	Restoration activities are covered under the Programmatic Agreement finalized in January 2018 (FERC eLibrary Accession No. 20180119-3012).
Counties	Westmoreland Conservation District; Greene County Conservation District - Review of Erosion and Sediment Control Plan and Issuance of Erosion and Sediment Control General Permit (ESCGP-2) and Modifications	Restoration activities are covered under the existing ESCGP-2 permits.

## 2.0 DESCRIPTION OF THE PROPOSED ACTIONS (PROPOSED ACTION ALTERNATIVE)

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### 2.1 ACP RESTORATION PROJECT

The ACP Restoration Project footprint, as proposed, is limited to the workspace required to remove fallen timber, restore and revegetate disturbed areas, and access the various work areas in West Virginia, Virginia, and North Carolina (figure 2.1-1). Workspace for the ACP Restoration Project would range from 75 feet width in wetlands and non-agricultural areas to 150 feet wide in agricultural areas. In areas of steep terrain, the restoration workspace would also include an additional 25 feet of temporary workspace.

Restoration activities would follow the *ACP Disposition and Restoration Plan*, the specifics of which are discussed below. Appendix B provides a tabular presentation of where pipe was installed and the proposed activities in relationship to each tract of land crossed/impacted by the ACP Construction Project (work scope table). Maps of where activities are proposed to occur (i.e., work scope maps) are accessible on FERC's eLibrary.<sup>29</sup>

#### 2.1.1 Pipeline

As part of the ACP Restoration Project, Atlantic proposes to leave in place all installed pipe (approximately 31.4 miles), remove a portion of the previously felled trees that were not cleared (approximately 83.2 miles of the 108.4 miles felled in total), and restore lands that were cleared and graded (approximately 82.7 miles) – work that was all completed prior to the December 2018 construction stand-down. For the remaining approximately 25.2 miles of previously felled trees, Atlantic proposes to leave these in place, which would be a modification to the 2017 FEIS and *Order Issuing Certificates (Order)* requiring ACP Construction Project workspaces to be restored per the FERC *Upland Erosion Control, Revegetation, and Maintenance Plan (Plan)*.

Atlantic has categorized its proposed restoration activities according to the type (or extent) of construction activities completed for the project (see table 1.3.1-1: Construction Status, in section 1.3). Restoration activities proposed include:

- Trees to remain – areas with felled trees that would remain in place (approximately 25.2 miles on 60 tracts [50 private; 10 FS]).
- New tree felling and grading – areas requiring minimal new felling of trees and/or minimal grading (travel lane only) to allow access to full restoration or larger-scale tree removal areas.
- Full restoration – areas previously cleared and graded (approximately 82.7 miles) now requiring restoration and stabilization.
- Access areas – segments of the right-of-way used to access areas of full restoration, tree removal, or tree felling and removal.

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<sup>29</sup> FERC eLibrary Accession Nos. 20210407-5253 and 20210407-5272.

- Contractor yards:
  - full restoration – contractor yards that require restoration to return to pre-construction conditions.
  - no restoration – contractor yards that do not require restoration work, except for picking up mats from small matted areas (in the Wilson Trucking and Wright yards only).

### **2.1.1.1 Trees to Remain**

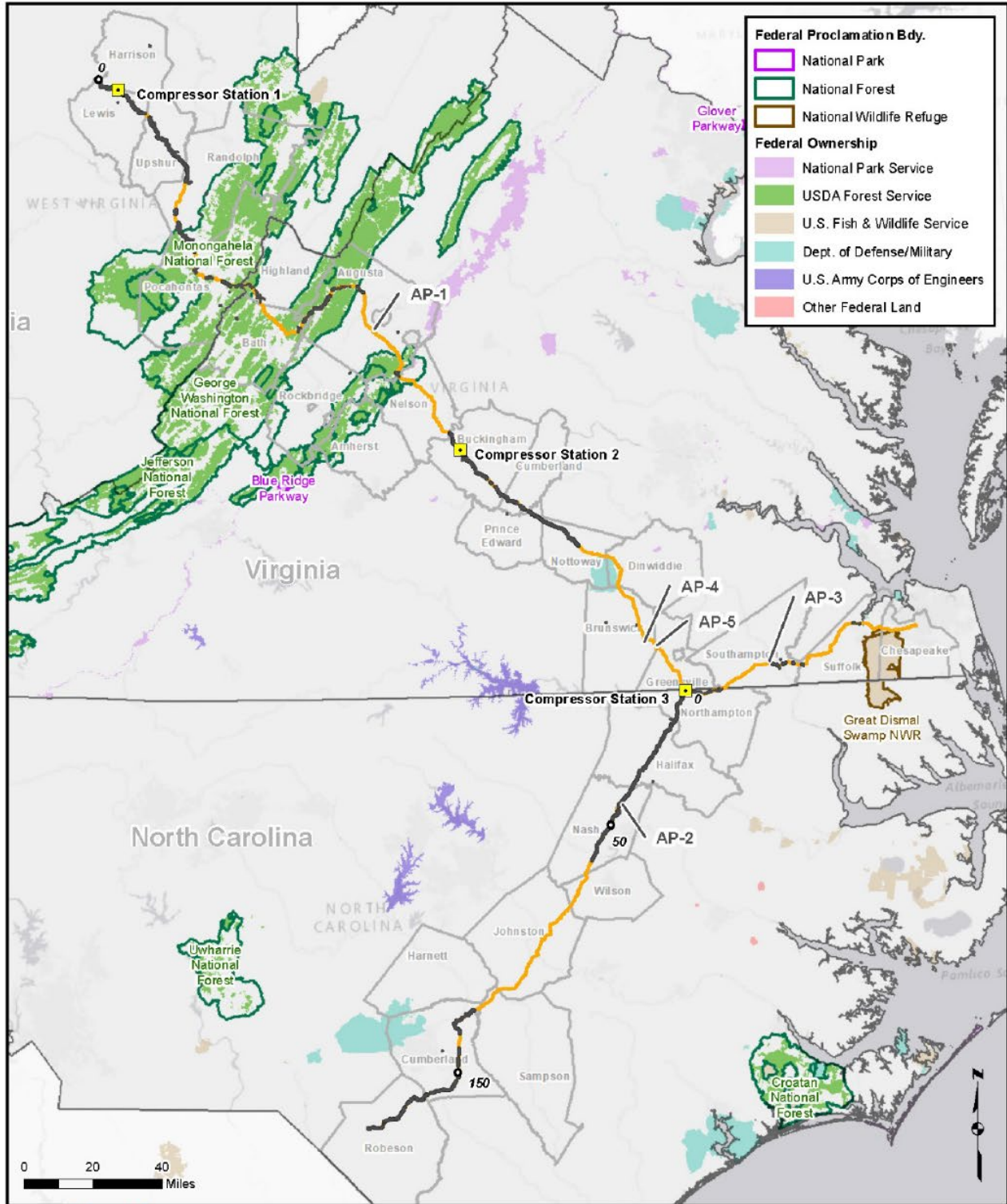
Approximately 108.4 miles of trees were felled during construction of the ACP prior to the December 2018 construction stand-down. Atlantic evaluated several factors to determine where it now proposes to leave felled trees in place to avoid impacts related to downed tree removal, considering the requirements in FERC’s Plan and *Wetland & Waterbody Construction & Mitigation Procedures* (Procedures), and landowner easement agreements. These factors include whether the:

1. Felled trees are on NFS lands.
2. Felled trees are on private tracts (7 tracts total) adjacent to NFS lands, which, in order to remove felled trees from them, would also require removal of felled trees on the FS property.
3. Felled trees are on tracts where tree removal would require:
  - a. restoration work needing mitigation for threatened and endangered species,
  - b. work on steep slopes that would involve constructing a skid trail to traverse the slope,
  - c. constructing a new access road,<sup>30</sup>
  - d. improving, by cut and fill, any access road,
  - e. improving any access road with a new culvert in waterbodies with threatened and endangered species present, and
  - f. improving by grading and/or placing gravel along access road.

Atlantic proposes to remove previously felled trees along much of the construction right-of-way. However, for approximately 25.2 miles of pipeline right-of-way where felled trees remain downed, Atlantic has determined that there are environmental justifications for leaving those trees as is (see appendix B, work scope table); thus, Atlantic does not propose removing felled trees in these specific areas.

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<sup>30</sup> New access roads, as defined in *ACP Disposition and Restoration Plan*, are greenfield roads (existing roads not already certificated or certificated roads Atlantic had not develop/improve prior to the cancellation of the project).



**Figure 2.1-1  
ACP Restoration Project  
Overview Map**

### **2.1.1.2 Tree Felling and/or Removal**

As discussed above, Atlantic proposes to remove 83.2 miles of previously felled trees along the construction right-of-way. These areas would require the processing (remove/chip/stack/burn) of felled trees as well as, in some cases, the cutting and processing of standing trees and brush to facilitate access to other areas requiring full restoration or removal of felled trees.

Areas that would require the cutting of standing trees and brush generally consist of segments that are associated with setbacks that were in place around wetlands and waterbodies to protect these resources prior to the start of (the previously planned) construction activities. These buffers were not cleared during construction in 2018 and are narrow segments between larger contiguous areas where tree felling occurred.

We received comments stating that Atlantic should not fell additional trees. We understand the apparent paradox of cutting down trees as a part of restoration to remove previously felled trees. However, our review supports the circumstance of a minimal amount of new tree felling in order to accomplish more robust project restoration in areas of difficult access. Tree cutting or felling, if required, would be limited to the minimum width corridor (i.e., travel lane)<sup>31</sup> necessary to move equipment between larger contiguous work segment areas and would occur within the limits of the approved restoration workspace and in accordance with permitted time of year restriction (TOYR) windows (see section 4.7 Wildlife). Vegetation would generally be cut flush with the surface of the ground, leaving rootstock in place, where possible. Erosion controls measures would be installed immediately after ground disturbance of the soil per Atlantic's *Erosion and Sediment Control Plan* (ESC Plan). The felling of new trees would occur either by hand cutting with chainsaws or mechanized forestry equipment.

Areas that require only the processing of felled timber are areas where trees were previously cut and are now lying on the ground. Limited cutting of limbs on standing trees and woody shrubs would be required to access these work areas and/or remove the felled trees. Previously felled trees would be stacked (windrowed) along the edge of the restoration workspace, chipped, and/or burned, or hauled to a pre-approved disposal site according to the stipulations of-specific landowner agreements and as outlined in the *Timber Removal Plan*.

Atlantic states it would acquire all applicable permits and approvals if it needs to burn slash piles and woody debris. Burning would be conducted in accordance with state/commonwealth and local burning requirements or permits in uplands, as described in Atlantic's *Fire Prevention and Suppression Plan* (*Fire Plan*). No burning would take place in wetlands. Ash from burning would be spread across the restoration workspace. Additional mitigation measures related to tree felling and vegetation clearing can be found in the *Timber Removal Plan*.

Equipment that may be utilized in tree felling and/or tree removal areas could include excavators, bulldozers, water trucks; and timber industry equipment such as feller bunchers,

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<sup>31</sup> The minimum travel lane width used to move equipment between work segments would be approximately 24 feet. The travel lane would be positioned within the defined limits of disturbance according to terrain and surface features to minimize ground disturbance.

harvesters, forwarders, knuckle-boom loaders, chippers/grinders, and stump grinders. In some cases, stump grinding, and grading may be required to prepare the workspace and establish a level surface for equipment to operate and travel.

In areas that only require processing of the previously felled timber, Atlantic anticipates there would be minimal ground disturbance. Grading, if necessary, would be limited to the portions of the workspace required for truck and other heavy equipment access. Atlantic does not anticipate grading or heavy equipment traffic in other areas. The restoration workspace would be monitored in accordance with the *Restoration and Rehabilitation Plan* and the FERC's *Plan and Procedures*. If natural revegetation is not reestablishing after the first growing season, Atlantic has committed to implement additional measures (e.g., seeding) to ensure successful revegetation.

### **2.1.1.3 Full Restoration**

Areas designated for full restoration would require final grading, replacing topsoil where it has been segregated, preparation for seeding and seeding of those areas, and installation of erosion and sediment control (ESC) measures for stabilization. Restoration of these areas would follow the *Restoration and Rehabilitation Plan*.

Atlantic proposes to leave in place all pipe that was installed (approximately 31.4 miles). Pipe that was installed at permitted road crossings would be capped, grouted, and left in place. Atlantic would conduct the excavation and grouting of the bored pipeline in a manner to prevent impacts on nearby wetlands.

### **2.1.1.4 Access Areas**

Areas designated as access areas would consist of access roads and portions of the ACP Restoration Project workspace that would be used solely as a travel lane. As noted above, travel lanes along the restoration workspace used to move equipment between work segments would be approximately 24 feet wide. Atlantic states it would minimize impacts within access areas to the extent practicable, although some trimming of tree limbs along access roads and some clearing of travel lanes may be required. Ground disturbance in access areas would be limited to only the established travel lane. Restoration of these access areas would not be extensive, mainly requiring the removal of mats and other materials used to develop the road/travel lane and minor grading. Where necessary, seeding would be implemented as identified in the Restoration Plans and where recommended by the Restoration Project environmental inspectors (EIs).

## **2.1.2 Facilities**

The authorized ACP facilities include 3 compressor stations, 9 M&R stations, 30 monopoles and 11 towers. The progress Atlantic achieved at these sites prior to the cancellation of the ACP varies from no ground disturbance to essentially complete.



### **2.1.2.1 Marts Compressor Station**

The Marts Compressor Station (referred to as Compressor Station 1 in the 2017 FEIS) is located at MP 7.5 of AP-1. Work at the Marts Compressor Site was limited to finished grading, installation of stormwater management devices (ditches, catch basins, etc.), and applying stone to the access roads leading to and within the site. No mechanical equipment or concrete foundations were installed.

This site is owned by ACP and would be repurposed as a contractor yard for the restoration activities on Spreads 1-1 through 2-2 (see more discussion in section 2.1.3 Contractor Yards). With the conversion of the Marts Compressor Station to a contractor yard, Atlantic would restore the remaining yards and turn control of the land back to the landowner upon expiration of the lease agreements. Atlantic proposes to reuse the stone removed from these yards to prepare the Marts Compressor Station site as a contractor yard by adding approximately 13 acres of gravel to the site. Atlantic would also improve the existing site access, which is currently via a temporary bridge across Hollick Run, by replacing the temporary bridge with a permanent bridge that was previously approved via the 2017 Order. The temporary bridge that is currently in place needs to be replaced with a permanent bridge due to the extended time that the timber structure has been in place. Upon completion of the work, the Marts Compressor Site would be cleared of all construction equipment, office trailers, storage units, etc. Construction waste and debris would be properly disposed of, and the site left as developed with stone in place. Additional activities at the Marts Compressor Station would include:

- installation of casing for the 1-inch-diameter Dominion West Virginia gas line near the bridge area;
- reconnection of the 2-inch-diameter Berkshire Hathaway Energy gas storage line; and
- demobilization, general site cleanup, and stabilization as needed.

### **2.1.2.2 Long Run Meter Station**

The Long Run Meter Station site is located at MP 47.0 of AP-1. Construction progress was limited to tree felling, tree clearing, partial site grading, and installation of a rock construction entrance. The proposed scope of site restoration includes minor grading to return the site to native contours (as close as possible the original contours), replacement of topsoil, general site cleanup, stabilization, and reclamation/seedling.

### **2.1.2.3 Buckingham Compressor Station and Woods Corner Meter Station**

The Buckingham Compressor Station (referred to as Compressor Station 2 in the 2017 FEIS) and Woods Corner Meter Station site is located at MP 224.3 of AP-1. Since no ground disturbance or tree felling occurred at this site, no restoration work is required.

### **2.1.2.4 Northampton Compressor Station**

The Northampton Compressor Station site (referred to as Compressor Station 3 in the 2017 FEIS) is located at the terminus of AP-1 and at MP 0.0 of AP-2 and AP-3 on the Virginia/North Carolina border. Extensive construction progress was achieved at this site.

Atlantic had graded the site and installed erosion and sediment controls. The electrical building, station blowdown silencers, vent gas recovery skid, one turbine compressor package, three suction separators, odorant injection system, hydrocarbon tank, and accumulator tank were installed on site. Additionally, the main suction and discharge header piping from the inlet/outlet area to Compressor Building B foundation area was installed. Miscellaneous piping, valves, fittings, structural steel, and conduit were also installed. Various shallow and deep foundation components were installed across the site.

Contractor-owned construction trailers, storage trailers, and miscellaneous equipment and materials have been removed. The Atlantic-owned trailers and storage containers would likewise be removed. Additional activities at the Northampton Compressor Station would include:

- backfill of all open excavations;
- installation of temporary flat roofs on partially completed Compressor Building B and auxiliary building foundations;
- relocation or removal and disposal of loose materials; and
- general site cleanup, stabilization and reclamation/seedling (where needed).

All debris would be disposed of at an approved waste facility.

#### ***2.1.2.5 Smithfield Meter & Regulating Station***

The Smithfield M&R Station is located at MP 93.5 of AP-2. Construction at this facility is complete, as major equipment was installed and the civil, mechanical, and electrical work were finished. The site is fully stabilized.

The flow control building, measurement building, dekatherm building, and site office building were constructed. The microwave tower, filter/separators, hydrocarbon tank, odorant injection system and all piping and conduits were also installed. The site was graded, and gravel was installed.

Due to the advanced construction progress at this site, Atlantic is not proposing any additional actions at this time. This facility is included in Atlantic's investment recovery program (see section 2.7.1).

#### ***2.1.2.6 Fayetteville Meter Station***

The Fayetteville Meter Station site is located at MP 134.2 of AP-2. Construction at this site was limited to clearing and grading along the pipeline right of way as it passes through the site footprint; no equipment was installed.

Where ground disturbance took place along the pipeline right-of-way, topsoil was removed and stockpiled, timber mats were laid down, and erosion and sediment controls were installed. Atlantic proposes to remove timber mats, restore as close as possible the original contours, stabilize the area, remove the perimeter silt fence, and implement site reclamation and seeding.

### **2.1.2.7 *Pembroke Meter Station***

The Pembroke Meter Station site is located at the terminus of AP-2. Construction was limited to clearing and grading for the installation of the rock construction entrance. The remainder of the site has had no ground disturbance or tree felling, and no equipment has been installed. Atlantic proposes to restore as close as possible the original contours, stabilize the area, remove the perimeter silt fence, and implement site reclamation and seeding.

### **2.1.2.8 *Brunswick Meter Station***

The Brunswick Meter Station site is located at MP 0.4 of AP-4. No ground disturbance or tree felling has occurred at this site; therefore, no restoration work is required.

### **2.1.2.9 *Greenville Meter Station***

The Greenville Meter Station site is located at MP 1.0 of AP-5. No ground disturbance or tree felling occurred at this site; therefore, no restoration work is required.

### **2.1.2.10 *Elizabeth River Meter Station***

The Elizabeth River Meter Station site is located at the terminus of AP-3. No ground disturbance or tree felling occurred at this site; therefore, no restoration work is required.

### **2.1.2.11 *Microwave Towers and Monopoles***

Thirty microwave monopoles and 11 microwave towers were planned. Only one tower was built, at the Smithfield M&R Station site (Johnston County, North Carolina), within the footprint of the M&R Station. No ground disturbance or tree felling was implemented for the remainder of the tower and monopole sites; therefore, no restoration work is required at these sites.

## **2.1.3 Contractor Yards**

Atlantic plans to utilize the contractor yards shown in table 2.1.3-1 to conduct the ACP Restoration Project activities. At yards designated as “full restoration,” Atlantic would return to the site as near to pre-ACP conditions as practicable. Activities at these yards would include the removal of materials, trailers and project-specific improvements, and minor grading as necessary to restore contours and grades. At yards designated as “none,” the site would either be left in its current state because the site was previously an industrial/developed site, or if the site was previously undeveloped, Atlantic proposes to leave it as a developed site and not return to pre-project conditions, per landowner request.

Table 2.1.3-1 Contractor Yards to be Used for ACP Restoration Project				
Spread	Name in Field	Yard ID in 2017 FEIS or Variance	Site Condition Previous to ACP	Restoration Activity
1-1	Jackson Mill Yard	Jackson Mill Yard	Industrial	full restoration
1-1	Meadowbrook Yard	Contractor Yard (CY) 01-1	undeveloped	full restoration
1-1	Marts Compressor Station <sup>a/</sup>	N/A <sup>b/</sup>	Undeveloped	none – after improvements to repurpose site to a contractor yard, the site would be left as developed with stone in-place
2-2	Huttonsville Yard	CY GWNF-6 Spr 02 A-B	Undeveloped	full restoration
2A	Elkwater Yard	CY Spr 2A	Undeveloped	full restoration
4A/5	Wilson Trucking	Wilson Trucking	Industrial	none
6	Bridge Yard	Wright Mat Yard	Industrial	full restoration
6	Rebar Yard/Rock & Metal SMI Way Site	Rebar Yard/Rock & Metal SMI Way Site	Industrial	none
8/9	Halifax Yard	CY08-A	Undeveloped	full restoration
8/9	Enfield Yard	CY08-B	Undeveloped	full restoration
10	Hair Yard	CY10-A	Undeveloped	full restoration
11	Green Waste Recycling	N/A <sup>b/</sup>	Industrial	none

<sup>a/</sup> The Marts Compressor Station site was not previously approved to be used a yard, but under the ACP Restoration Project, Atlantic proposes to repurpose the site as a contractor yard for restoration of Spreads 1-1 through 2-2.

<sup>b/</sup> Sites noted as “N/A” were not previously approved by the Commission for use on construction of the ACP, but Atlantic now seeks approval from the Commission to use these yards (Marts Compressor Station and Green Waste Recycling) to support execution of the ACP restoration activities.

## 2.1.4 Additional Activities to Support ACP Restoration

### 2.1.4.1 Survey and Staking

Atlantic proposes to stake the limits of the restoration workspace and other temporary workspaces as necessary. Wetland boundaries and other environmentally sensitive areas would also be marked. The locations of approved access roads would be flagged and marked with signs.

### 2.1.4.2 Grading and Backfilling

The restoration workspace and access roads requiring improvements to operate equipment would be graded to provide a level work surface. More extensive grading may be required in steep side slope or vertical areas to safely accommodate equipment necessary to remove timber. Some limited backfilling would be required where there are excavations, for example to grout and cap the pipe at road crossings.

In areas disturbed by grading, ESC measures would be installed, inspected, and maintained to minimize erosion in accordance with the FERC *Plan and Procedures* and state permits.

#### **2.1.4.3 Stream and Wetland Crossings**

Some in-stream and in-wetland work would be required, but no pipe removal or trenching is proposed to be conducted in waterbodies or wetlands. In-stream and work within wetlands would include the installation or removal of mats and culverts. In-stream work would also include construction of temporary bridging and in-stream bridging supports. For waterbodies requiring bridge installation or removal, some grubbing or grading may be required through the riparian buffer within 25 feet of the waterbody; however, additional Atlantic would install ESC measures to protect these waterbodies.

No grubbing would take place between November 15 and April 1 within 50 feet of any stream containing known occurrences of federally listed, proposed, or under review species. Atlantic would schedule in-stream work to comply with the applicable timing restrictions, unless a waiver is requested and approved by the permitting agency (see further discussion in section 4.8.1.10).

#### **2.1.4.4 Steep Slopes**

Portions of the AP-1 mainline route extend across steep, mountainous terrain in West Virginia and Virginia along and in the vicinity of the Allegheny, Shenandoah, and Blue Ridge Mountain ranges. Work in steep terrain may require cut-and-fill grading to create a flat surface for vehicles and equipment. Cut-and-fill grading along steep slopes typically requires more workspace and additional stabilization measures to be implemented during restoration. Excess material may be temporarily stored at an approved location, if necessary.

In areas with steep terrain, temporary sediment barriers, such as reinforced silt fence and straw bales, would be set up to prevent the movement of disturbed sediment off the construction workspace. Temporary slope breakers would be installed during grading to reduce runoff velocity and divert water off the restoration corridor into stable, well-vegetated areas or through energy dissipation devices.

In addition to these general measures, Atlantic developed mitigation measures beyond standard practices to help reduce slips on steep slopes through a Best-in-Class (BIC) Program (updated June 2019). The focus of the BIC Program is to proactively address water management and spoil storage on steep slopes (defined as slopes greater than 30 percent and 100 feet in length), which can lead to slip hazards and potentially affect environmental resources and public infrastructure such as roads and bridges. The BIC Program is intended to incorporate the permit requirements from the West Virginia Department of Environmental Protection (WVDEP), Virginia Department of Environmental Quality (VDEQ), FERC, and the FS, and then expand on these regulatory standards in order to mitigate for potential erosion and sediment discharges related to steep slope and slip hazards.

The results of the prior ACP Construction Project design work was compiled into a “Field Implementation Guide” that Atlantic will use to make recommendations for the

installation of the appropriate BIC Program mitigation measures, where needed. Known as “incremental controls,” these controls would be installed to enhance the baseline ESC devices. The core incremental controls include drains, armored channels, changed seep characteristics, compact backfill, and spoils management.

#### **2.1.4.5 Cleanup and Restoration**

Final cleanup would be done as required by permits, landowner requirements, and as specified in the *Restoration and Rehabilitation Plan* and the *FERC Plan and Procedures*. Waste would be collected and taken to an approved disposal facility. Non-hazardous restoration wastes, including deteriorated timber skids, cleared vegetation, stumps, and rock, would be collected and disposed of off-site. All waste that contains (or at any time contained) oil, grease, solvents, or other petroleum products falls within the scope of the oil and hazardous substances control, cleanup, and disposal procedures.

The restoration workspace would be restored as close as possible to pre-construction contours and elevations. Segregated topsoil would be spread over the surface of the workspace, and permanent erosion controls would be installed.

Mechanically fastened erosion control blankets, in lieu of mulch, could be installed on steep slopes to stabilize vegetation. Grades in excess of 3:1 would be stabilized with degradable blanket mulch such as jute mesh, wood excelsior, or fibers until the vegetation is established. Possible permanent or temporary erosion control measures include materials such as hydro mulch, diversion ditches, water bars, check dams, and rock veneer with seeding. The material selected would be dependent on the slope as well as the method chosen.

Atlantic would implement BIC Program design and operational measures in areas with steep slopes (greater than 30 percent) to minimize the potential for future slips. Restoration of steep terrain may include grading to the natural conditions; installation of permanent ESC devices (i.e., slope breakers) designed to reduce runoff velocity and encourage retention of soils; and the use of additional structural materials (e.g., rock or woody debris) to provide an anchor for revegetation and deposition of soil. Within the BIC Program areas, restoration would be done in accordance with the *BIC Field Implementation Guide*<sup>32</sup> and applicable permit requirements.

Revegetation measures would be implemented in accordance with the *Restoration and Rehabilitation Plan* and the *FERC Plan and Procedures* or as directed by the appropriate land managing agency. Disturbed, non-cultivated work areas would be stabilized and seeded as soon as possible after final grading, weather and soil conditions permitting, subject to the recommended seeding dates for the seed mixes used to revegetate different areas along the right-of-way and, where applicable, access roads. Seeding would stabilize the soil, improve the appearance of the area disturbed by restoration, and in some cases, restore native flora.

Reseeding mixes generally consist of grass species that grow well in the local area and that are effective in controlling soil erosion in areas that have been disturbed. Seed mixes may

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<sup>32</sup> *Field Implementation Guide: best -In-Class (BIC) Steep Slopes Program* (FERC eLibrary Accession No. 20210104-5278).

also include species that provide food and habitat for wildlife. Both soil types and degree of slope would be considered in the application of the seed mixes during restoration. Invasive species would be managed in accordance with the *ACP Non-Native Invasive Plant Species Management Plan*. Atlantic has proposed seed mixes based on the recommendations from consultations with state and federal agencies. These seed mixes are described in more detail in the *Restoration and Rehabilitation Plan*.

#### **2.1.4.6 Additional Temporary Workspace**

Additional Temporary Workspace (ATWS) would be needed to stage restoration activities and store equipment, materials, and where necessary to store spoil from grade cuts. ATWS would also be required in areas with steep side slopes, truck turnaround areas, and mobilization locations. Atlantic intends to use only ATWS that were previously approved for the ACP Construction Project for the proposed restoration activities. Some ATWS had been developed prior to the cancellation of the ACP Construction Project; some approved but unused ATWS would still need to be developed in support of the ACP Restoration Project. Appendix C lists ATWS that would be needed for the ACP Restoration Project, along with current status.

ATWS would be set back at least 50 feet from wetlands and waterbodies, except where the adjacent areas consist of cultivated or rotated cropland or other disturbed land, in accordance with the *Plan and Procedures*. Appendix D lists ATWS that are within 50 feet of wetlands and waterbodies.

#### **2.1.4.7 Access Roads**

Atlantic would use previously approved access roads for the proposed work segments (table E-1 in appendix E). Additionally, Atlantic proposes two new roads — the Quarry Water Source road and road 09-028-A001-AR1\_VAR to support the restoration activities. The development of access roads that had not been previously constructed would be limited to those areas of the ACP Restoration Project where hand-felling of trees progressed under a limited notice to proceed prior to mechanical clearing (i.e., ground disturbance) for the ACP Construction Project. New access roads would allow access by mechanical equipment to clear previously hand-felled trees.

Improvements would be required for some of the access roads, which may include, but are not limited to, widening, grading, gravelling, installing or replacing culverts, and trimming of overhanging vegetation or tree limbs. Widening would generally involve increasing the width of the road up to 30 feet. Significant widening of any existing road would be limited to curve/turn locations where large equipment trailers require additional turning radii. These widened locations are located within the limits of disturbance as Certificated in the 2017 Order. Additional improvements that would extend a road to 30 feet in width are limited to side slope locations or where installation of storm water management devices (ditching, ditch outfalls, etc.) are required.

Where improvements to the roads are proposed, Atlantic would carry out modifications, including the installation of ESC devices, in accordance with federal and state permit requirements. Where culverts need to be installed, they would be sized to accommodate flows (typically 10-year, 24-hour peak flow rates, or as needed to accommodate local regulations) and

countersunk beneath the bed of the waterbody to allow passage of aquatic organisms. Many existing access roads are not designed to these standards, and replacement of existing culverts would serve to improve movement of aquatic organisms; those culverts will remain in place after completion of the activities unless removal is required by the landowner or jurisdictional agency. Atlantic would remove temporary access road improvements (including culverts, where required) and restore temporarily improved roads to their pre-construction condition unless allowed and agreed to by the landowner and permitting agencies.

**2.1.4.8 Dust Control**

Approximately 59.6 million gallons of water would be required for dust control during the ACP Restoration Project. The volume of water planned for dust control would vary based on site and weather conditions and would be obtained throughout the restoration work. Atlantic would use streams and rivers, municipal, and private water sources for dust control. Estimates of total water volumes by source are provided in table 2.1.4.8-1.

<b>Table 2.1.4.8-1 Water Requirements for Dust Control for the ACP Restoration Project</b>					
<b>State or Commonwealth</b>	<b>Source Name</b>	<b>Source Waterbody ID <sup>a/</sup></b>	<b>Source Waterbody Milepost</b>	<b>Approximate Water Requirement (gallons)</b>	<b>Withdrawal Rate (gallons/minute)</b>
<b>West Virginia</b>					
	municipal	fire hydrant	NA	1,320,000	NA
	municipal	fire hydrant	NA	1,320,000	NA
	municipal	fire hydrant	NA	1,944,000	NA
	municipal	fire hydrant	NA	2,376,000	NA
	municipal	fire hydrant	NA	648,000	NA
	municipal	fire hydrant	NA	1,980,000	NA
	municipal	fire hydrant	NA	2,790,000	NA
<b>Virginia</b>					
	Dominion Virginia Power Owned Quarry	NA (outside Project survey area)	NA	1,320,000	NA
	Dominion Virginia Power Owned Quarry	NA (outside Project survey area)	NA	792,000	NA
	Calfpasture River (Revercomb Impound)	sauc124	141.7	900,000	10% instantaneous flow <sup>a/</sup>
	Calfpasture River	saup004	147.8	1,100,000	10% instantaneous flow <sup>a/</sup>
	Acres Sand & Stone Quarry	oauw003	180.0	2,570,000	to be determined—open water source
	hydrant—Augusta County Service Authority (Wilson Yard)	fire hydrant	NA	3,000,000	300
	South Fork Rockfish River (Carr Impoundment)	snee501	195.0	4,000,000	10% instantaneous flow <sup>a</sup>
	hydrant—Wingo Road, Buckingham County	fire hydrant	NA	4,000,000	300



Table 2.1.4.8-1 Water Requirements for Dust Control for the ACP Restoration Project					
State or Commonwealth	Source Name	Source Waterbody ID <sup>a/</sup>	Source Waterbody Milepost	Approximate Water Requirement (gallons)	Withdrawal Rate (gallons/minute)
	hydrant—Town of Farmville (Farmville Yard)	fire hydrant	NA	3,000,000	300
	hydrant—Town of Blackstone	fire hydrant	NA	7,800,000	300
	hydrant—Town of McKenney	fire hydrant	NA	5,000,000	300
	hydrant—Town of Lawrenceville	fire hydrant	NA	3,400,000	300
	hydrant—Rogers Road, Greenville Water & Sewer	fire hydrant	NA	2,700,000	300
	hydrant—Skippers Road, Greenville Water & Sewer	fire hydrant	NA	2,300,000	300
	municipal	fire hydrant	NA	1,290,521	NA
<b>North Carolina</b>					
	municipal	fire hydrant	NA	1,155,616	NA
	municipal	fire hydrant	NA	1,561,644	NA
	municipal	fire hydrant	NA	1,335,205	NA
NA = not applicable <sup>a/</sup> Limited to 10,000 gallons per day.					

### 2.1.5 National Forest Service Lands

Based on FS input, the main objective on tracts administered by FS is for Atlantic to minimize any additional impacts on resources in the MNF and GWNF. Through coordination and discussion with the FS, Atlantic proposes to leave felled trees in place. This is consistent with the *FS Site Assessment*.

The FS, as a federal land managing agency, has authority to manage NFS lands per its regulations, land management plans, and guidance. The *FS Site Assessment* outlines the FS recommended actions to be taken on the MNF and GWNF to comply with FS requirements, including:

- replace survey monuments that were removed for construction;
- close out the Timber Contract; and
- close out the Cost Recovery Agreement.

FS property on which Atlantic had performed tree felling activities are shown by tract in Table 2.1.5-1 below.

<b>Spread</b>	<b>FS Tract No.</b>	<b>ACP Tract No.</b>	<b>Tree Felling on Tract</b>	<b>Entry MP</b>	<b>Exist MP</b>	<b>Crossing Distance (mi)</b>
3	FS MNF 51B	05-001-E030.51B	No	83.4	84.2	0.8
3A	FS MNF 373	05-001-E057.373	Yes	94.6	94.9	0.3
3A	FS MNF 377B	05-001-E059.377B	Yes	95.0	95.2	0.2
3A	FS MNF 377A	05-001-E064.377A	Yes	95.7	99.6	3.9
3A	FS GWNF O-397	06-001-B001.O-397	Yes	99.6	103.8	2.9
3A	FS GWNF O-505	06-001-B001.O-505	Yes	102.3	102.8	0.4
4	FS GWNF G-1287c	36-016.G-1287C	No	114.1	114.9	0.8
4	FS GWNF G-1287b	36-016.G-1287b	No	117.5	119.1	1.3
4	FS GWNF S-36	36-016.S-36	No	120.4	122.8	1.9
4A	FS GWNF S-584	36-016.S-584	Yes	132.0	132.9	0.4
4A	FS GWNF S-45	07-001.AR1.S-45	Yes	146.9	148.7	1.3
4A	FS GWNF S-46	07-001.AR1.S-46	Yes	148.7	149.9	1.2
4A	FS GWNF S-17a	07-001.AR1.S-17a	Yes	149.9	150.7	0.7
4A	FS GWNF S-12	07-001.AR1.S-12	Yes	150.5	151.2	0.7
4A	FS GWNF S-34	07-001.AR1.S-34	No	151.2	151.5	0.3
4A	FS GWNF S-83-1	07-001.AR1.S-83-1	No	151.5	151.7	0.1
4A	FS GWNF S-1257	07-001.AR1.S-1257	No	152.2	152.3	0.1
4A	FS GWNF S-555	07-001.AR1.S-555	No	152.3	153.4	1.1
4A	FS GWNF S-552	07-001.AR1.S-552	No	153.4	154.4	0.7
4A	FS GWNF G-1616b	07-001-A015.G-1616b	No	153.5	153.8	0.3
5	FS GWNF N-159a	07-001.AR1.N-159a	No	184.8	189.2	1.3
5	FS GWNF BRP-1 <sup>a/</sup>	07-001.AR1.BRP-1	No	189.2	189.4	0.1
			<b>Total</b>			<b>20.8</b>

<sup>a/</sup> BRP — Blue Ridge Parkway

In order to achieve the goals outlined in the FS Site Assessment, Atlantic proposes to leave in place the trees felled on an additional seven tracts, all privately owned. Timber removal from these seven tracts would require development of access roads and additional clearing activities on lands administered by FS. Atlantic has secured amendments to the easement agreements for these seven tracts allowing the trees to remain in place.

## **2.2 SUPPLY HEADER RESTORATION PROJECT**

The SHP Restoration Project footprint is limited to the workspace affected by the SHP Construction Project in Pennsylvania and West Virginia (figures 2.2-1 and 2.2-2). EGTS would carry out Restoration Project activities as outlined in the *Supply Header Restoration Plan*, in the following areas (the specifics are discussed below):

- 23.6 miles of existing 75- to-175-foot-wide SHP pipeline right-of-way in West Virginia;

- three existing contractor (CYs 8, 9, and 10) in Doddridge County, West Virginia;
- 0.7 mile of temporary access roads in West Virginia;
- 17.1 miles of permanent access roads in West Virginia; and
- three existing compressor stations:
  - Mockingbird Hill Compressor Station at milepost (MP) 33.6 in Wetzel County, West Virginia;
  - Crayne Compressor Station in Greene County, Pennsylvania; and
  - JB Tonkin Compressor Station at MP 3.9 in Westmoreland County, Pennsylvania.

### **2.2.1 Pipeline**

The SHP Construction Project consisted of two spreads - Spreads 13 and 14. EGTS proposes to maintain approximately 11.7 miles of pipe that has been installed (all of which was on Spread 13),<sup>33</sup> leave approximately 0.13 mile of felled trees in place, and restore and reclaim the right-of-way where ground disturbance has occurred.

Restoration Project workspace would be restored where various types of ground disturbance have occurred, as described below. All areas exhibiting soil instability as a result of construction would be permanently stabilized and restored. This may include the use of various permanent rock-type erosion control devices, which have been previously approved in the *Stormwater Pollution Prevention Plan (SWPPP)* and/or included in the BIC program. In addition, any slips identified within the Restoration Project workspace would be repaired in accordance with applicable permits and landowner agreements.

Spread 14 consisted of approximately 3.9 miles of previously proposed pipeline in Westmoreland County, Pennsylvania. At MP 0.0, this pipeline would have terminated with an existing EGTS pipeline, and at MP 3.9, it would have terminated at the JB Tonkin Compressor Station. However, no construction activity or contractor yard development ever commenced on Spread 14; therefore, no further work on this spread is needed as part of the SHP Restoration Project.

#### **2.2.1.1 Areas with Felled Trees**

EGTS proposes to leave approximately 0.13 mile of trees that were previously felled and remain on the ground, from MPs 5.76 to 5.89. No further restoration activity would be needed, other than the cleanup of survey remnants (survey flagging and stakes, wetland/waterbody delineation markers, etc.) and the removal of all temporary signage, as required. EGTS proposes to remove any portion of felled trees that are within waterbodies and causing damming effects.

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<sup>33</sup> Spread 13 consists of approximately 33.6 miles of pipeline in Harrison, Doddridge, Tyler, and Wetzel Counties, West Virginia. At MP 0.0, the pipeline terminates at an existing EGTS facility; and at MP 33.6, it connects to the Mockingbird Hill Compressor Station. Construction activities occurred from MP 0.0 to 24.8. No activity has taken place on the northern end of the right-of-way between MP 24.8 and 33.6.

### ***2.2.1.2 Areas with Clearing Complete***

These areas include approximately 7.82 miles of the pipeline right-of-way, from MPs 0.65 to 5.08 and MPs 5.89 to 9.28, where clearing activity was completed but the construction grade had not yet been established. Restoration on the entire width of the right-of-way may include full contour restoration. Temporary and permanent erosion and sediment controls would be installed and maintained as necessary. Temporary bridge and/or timber mats would be removed when either restoration activity has been completed or the controls are no longer needed. Waterbody crossings would be restored at the time the temporary bridges are removed. Permanent fence repair or replacement would be completed, and the right-of-way would be seeded and mulched. Restoration efforts would be performed in accordance with landowner agreements and applicable permits.

### ***2.2.1.3 Areas with Grading Complete***

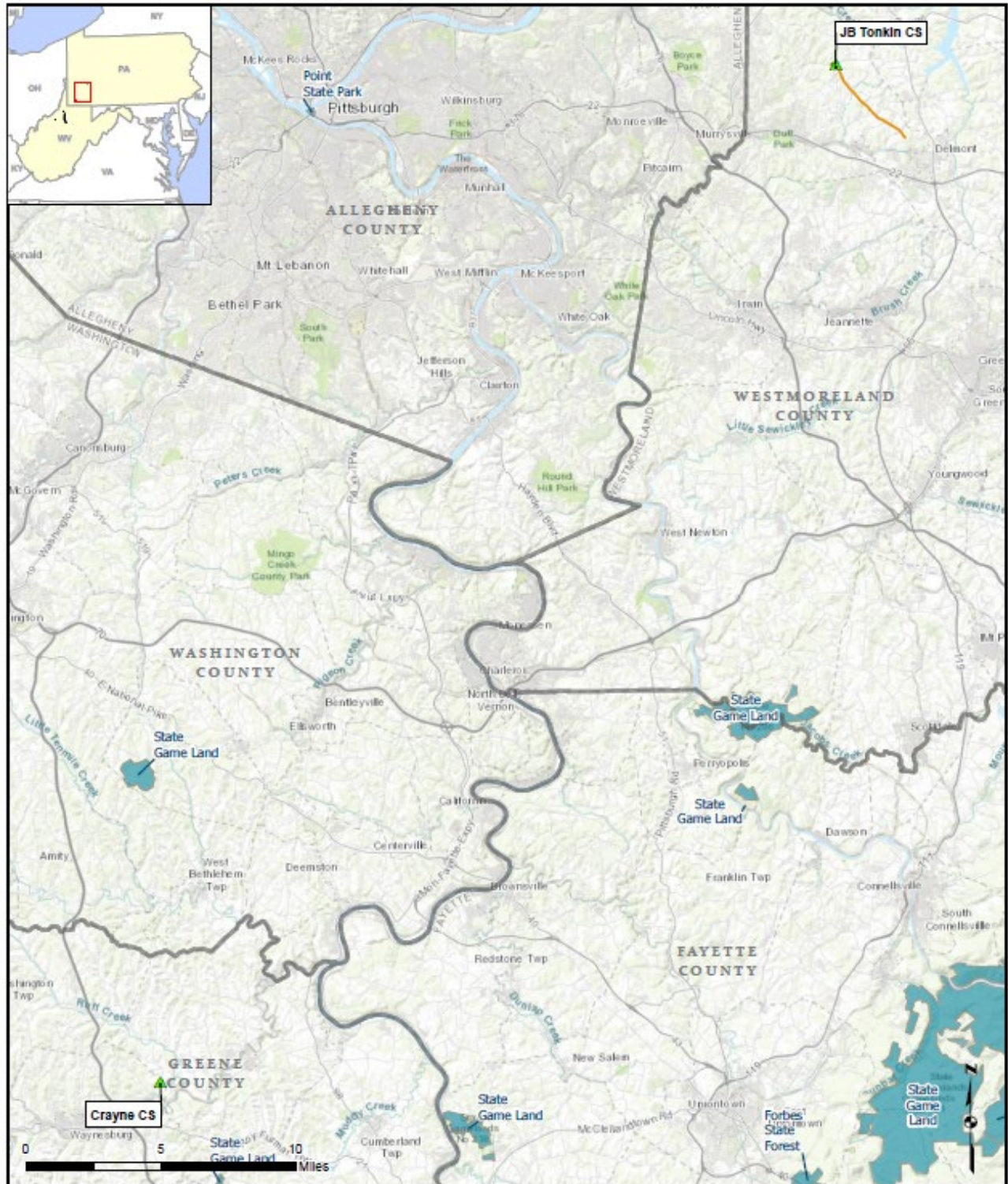
These areas include approximately 1.14 miles of the pipeline right-of-way, from MPs 9.28 to 10.42, where the entire width of the right-of-way has the construction grade established and would require full contour restoration. Temporary and permanent erosion and sediment controls would be installed and maintained as necessary. Temporary bridges and/or timber mats would be removed when either restoration activity requiring their use has been completed or they are otherwise no longer needed. Waterbody crossings would be restored at the time the temporary bridges are removed. Permanent fence repair or replacement would be completed, and the right-of-way would be seeded and mulched. Restoration efforts would be performed in accordance with landowner agreements and applicable permits.

### ***2.2.1.4 Areas with Restoration Achieved***

In areas where pipe has not been installed but restoration of the pipeline right-of-way has been achieved as part of effort conducted under the previously approved *Supply Header Project Interim Stabilization Plan* and supplement, further disturbance would be minimized to mitigate additional impacts on the environment and the landowners. These areas total approximately 15.04 miles, from MPs 0.00 to 0.65 and 10.42 to 24.81. Temporary bridge and/or timber mat removal in addition to other permanent restoration efforts would be performed as necessary. All work would be completed in accordance with landowner agreements and applicable permits.

### ***2.2.1.5 Areas with No Progress***

In areas of the pipeline right-of-way where no construction progress had occurred, including no tree felling or ground disturbance, EGTS proposes no activities other than cleaning up survey remnants (survey flagging and stakes, wetland/waterbody delineation markers, etc.) and removing all temporary signage, as required. These areas total approximately 9.43 miles, from MPs 5.08 to 5.76 and 24.81 to 33.56.



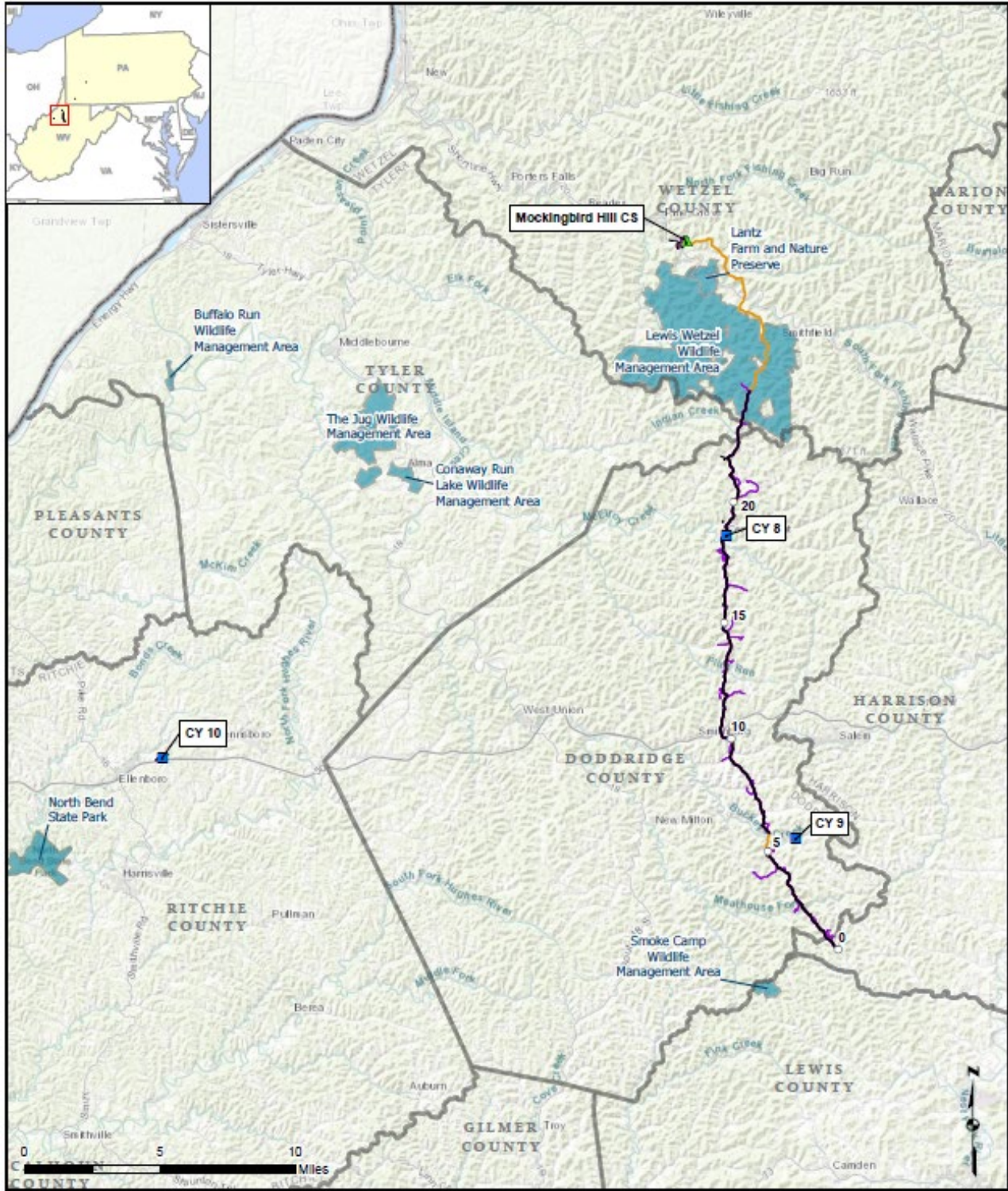
**Figure 2.2-1  
SHP Restoration Project  
Overview Map — Pennsylvania**

	<p>▲ Compressor Station (CS)</p> <p>— SHP Construction Project Pipeline Centerline</p> <p>■ State Land</p>
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- Contractor Yard (CY)
- ▲ Compressor Station (CS)
- 0 Milepost
- SHP Access Road
- SHP Construction Project Pipeline Centerline
- █ State Land
- SHP Restoration Project Workspace

**Figure 2.2-2  
SHP Restoration Project  
Overview Map — West Virginia**

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### **2.2.1.6 Areas with Pipe Installed**

EGTS proposes to leave in place all pipe previously installed, approximately 11.7 miles (see table 2.2.1.6-1). Areas where pipe has been installed and the right-of-way has been restored would be avoided to the extent possible to minimize additional impacts on the environment and on landowners.

The constructed pipe segments have welded caps installed on either end. For long-term stabilization, EGTS would excavate the ends of each segment in order to fill the pipe with inert gas. This is intended to counter any oxidation effects on the inside of the pipe. In areas where additional work is required on the right-of-way, restoration efforts would be performed in accordance with landowner agreements and applicable permits. External corrosion control has been installed for sections of installed pipe, and EGTS would continue monitoring activity as part of routine operations.

<b>Begin MP</b>	<b>End MP</b>	<b>Length (mi)</b>
10.42	10.80	0.38
12.38	12.85	0.47
12.91	14.10	1.19
14.20	14.32	0.12
14.40	14.91	0.51
15.06	15.09	0.03
15.20	15.52	0.32
15.65	17.64	1.99
18.09	18.52	0.43
18.58	24.79	6.21
	<b>TOTAL</b>	<b>11.65</b>

## **2.2.2 Facilities**

### **2.2.2.1 Crayne Compressor Station**

The Crayne Compressor Station is an existing EGTS facility located in Greene County, Pennsylvania and is connected to the SHP pipeline by existing EGTS infrastructure. New compression and ancillary equipment were included in the SHP scope at this site.

The compressor unit addition was designed as an extension to an existing compressor building. Construction is approximately 85 percent complete, and the remaining work is located inside the compressor building expansion area. The wall between the original compressor building and the new unit expansion area has been partially removed. The exterior workspace has been restored and required vegetation has been achieved. No additional work is planned for the site under the SHP Restoration Project.

### **2.2.2.2 JB Tonkin Compressor Station**

The JB Tonkin Compressor Station is an existing EGTS facility located in Westmoreland County, Pennsylvania at MP 3.9 of TL-636.<sup>34</sup> New compression and ancillary equipment were included in the SHP scope at this site. Four buildings have been erected – the compressor building, the auxiliary building, the motor control center building, and the utility gas building. The turbine/compressor skid is set upon its concrete foundation inside the compressor building, which was fully completed. A considerable portion of the underground yard piping has been completed. Pig launchers for two pipelines have been installed along with pot drips, valving, and piping. Construction is about 60 percent complete. Activities proposed to be conducted at the JB Tonkin Compressor Station as part of the SHP Restoration Project include:

- Install security lighting in the station yard as required under 29 CFR 1910.37 (Occupational Safety and Health Administration requirements related to maintenance, safeguards, and operational features for exit routes). Due to the newly erected buildings within the scope of the SHP Construction Project, existing lighting is not adequate.
- Finish buildings (i.e., install 3 feet of faux stone on the exterior) and complete landscaping required by the Municipality of Murrysville construction permits.
- Install a riparian buffer and post-construction stormwater system.
- Install one launcher/receiver with pot drip and associated piping. Upon completion of the pipeline reroutes north of Mamont Road and within the station under a separate blanket project (see discussion below); this assembly is required to be installed in a new location inside the facility fence line.
- Install a zone meter. As a result of the piping modifications completed, additional zone measurement is required. Ancillary installations include new dekatherm building, communication, conduit, wire, and measurement equipment.
- Monitor the permanent fencing already installed along Haymakers Run to the southeast of the facility.
- Regrade the site to original design contours.
- Seed and mulch or place stone to stabilize disturbed areas.
- Repair and pave the damaged station driveway.

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<sup>34</sup> The TL-636 loopline, proposed as part of the SHP Construction Project, originate at the existing JB Tonkin Compressor Station and extend to the southeast to an interconnect point with DETI's (EGTS') existing TL-591 pipeline system.



#### **2.2.2.4 Mockingbird Hill Compressor Station**

The Mockingbird Hill Compressor Station is an existing EGTS facility located in Wetzel County, West Virginia at MP 33.6 of the TL-635.<sup>35</sup> The civil/site work required in advance of compressor station construction was substantially complete. Extensive site grading was completed, including the installation of the sediment basin. The graded site pad and material laydown areas were temporarily seeded and have achieved reasonable vegetation growth. Pipeline valves were installed on the rerouted section of the existing pipeline with end caps temporarily installed at connections with planned compressor station interconnection piping. Pipeline right-of-way restoration has not been fully completed. Installation of a new pipeline from the existing compressor station to the new compressor station pad for Mockingbird Hill Compressor Station expansion was started. Activities proposed at this site as part of the SHP Restoration Project include:

- Establish permanent stabilization of the compressor station expansion pad and material laydown area. This would require application of topsoil, re-grading, and establishing adequate vegetation. ECDs would also be installed and removed when permissible.
- Install guardrails on both sides of the permanent access road for compressor station expansion pad, in key locations around the pad, and near material laydown area.
- Install permanent fencing around sediment basin.
- Remove the bridge on the temporary access road and clean up roadway.
- Convert sediment basin to a stormwater pond following final vegetation of compressor station expansion pad.
- Convert the rock construction entrance to gravel driveway.
- Extend the rock channel approximately 100 linear feet below staging area #3 to resolve stormwater erosion issues.
- Install approximately 150 linear feet of rock channel below material laydown area to resolve stormwater erosion issues.
- Install approximately 250 linear feet of rock channel in swale below construction trailer area to prevent stormwater erosion issues.
- Remove construction trailer and stabilize area with additional stone.
- Repair pavement on the main driveway and in front of the gate to existing compressor station where pavement was cut.

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<sup>35</sup> The TL-635 loopline, proposed as part of the SHP Construction Project, originates at the existing Mockingbird Hill Compressor Station and extends to the south/southeast to an interconnect point with the ACP Construction Project.

- Place stone on access roads, as needed.
- Implement general site cleanup and stabilization, as needed.

### **2.2.2.5 Burch Ridge Compressor Station**

The Burch Ridge Compressor Station is an existing EGTS facility located in Marshall County, West Virginia. It is connected to SHP pipelines by existing EGTS infrastructure. No construction activity has occurred at this site; therefore, no further work is needed as part of the SHP Restoration Project.

### **2.2.2.6 Hastings Compressor Station**

The Hastings Compressor Station is an existing EGTS facility located in Wetzel County, West Virginia. It is connected to SHP pipelines by existing EGTS infrastructure. No construction activity has occurred at this site; therefore, no further work is needed as part of the SHP Restoration Project.

### **2.2.2.7 Activities to be Conducted Under Blanket Certificate and 18 CFR 2.55**

EGTS also identified various ancillary facilities it plans to finish constructing or installing at its existing facilities, as allowed under its blanket certificate and under 18 CFR 2.55(a). These include installing lighting inside new buildings, air handlers for ventilation inside compressor buildings, and station piping modifications (as a result of miscellaneous rearrangements of existing piping and auxiliary facilities made to EGTS facilities prior to the cancellation of the SHP Construction Project).<sup>36</sup> None of these facilities are dependent on the SHP Restoration Project, and, according to EGTS, will be installed regardless of the outcome of the current proceeding before FERC.

## **2.2.3 Contractor Yards**

There are six contractor yards located within Spread 13 (shown in the table 2.2.3-1). These contractor yards would be restored in accordance with landowner agreements and applicable permits.

<b>Contractor Yard No.</b>	<b>Nearest Milepost</b>	<b>Activities</b>
5	33.6	Previously restored; no activity required.
6	33.6	No construction activity has occurred; no restoration required.
7	18.6	Previously restored; no activity required.
8	18.6	Remove project materials, rock construction entrance, and signage; grade, seed, and mulch as necessary.
9	5.2	Remove project materials; remove signage; place stone as necessary.
10	10.6	Cut pipe/fittings as necessary for removal; remove project materials and equipment, office trailers, tents/storage facilities, signage, and containments/wash bay; place stone as necessary.

<sup>36</sup> Descriptions of these facilities can be accessed via FERC’s eLibrary at Accession No. 20210407-5220.

## **2.2.4 Additional Activities to Support SHP Restoration**

EGTS would also leverage the BIC project team to support restoration activities on steep slopes and areas of instability, if any. This team is comprised of both office and field professionals and can be considered an extension of the project execution team. The team would support development of execution plans and would be available during field activities. The development of detailed field execution plans would consider any and all BIC related work performed to date.

### ***2.2.4.1 Access Roads***

EGTS proposes to use any access road previously approved for the original construction. Temporary bridge, timber mat, and/or culvert removal in addition to other permanent restoration efforts would be performed as necessary upon completion of restoration activity. Maintenance of access roads would be performed as necessary to remain in compliance with landowner agreements and applicable permits, with activities including cleaning out roadside ditches, grading with the use of a motor grader, and placing stone. A table of access roads in which EGTS would use in support of SHP Restoration Project activities, including planned access road activities, is included in table E-2 in appendix E.

### ***2.2.4.2 Steep Slopes and Slip Monitoring***

For any slips within the certificated workspace in areas where construction activity has taken place, EGTS would mobilize repair personnel and perform repairs using previously approved methods in the SWPPP and/or included in the BIC program.

### ***2.2.4.3 Hydroseeding and Dust Control***

For hydroseeding and dust control, EGTS proposes to use municipal water sources and withdrawal from McElroy Creek, which may contain a federally endangered species (see section 4.8).

## **2.3 LAND REQUIREMENTS**

### **2.3.1 ACP Restoration**

Workspace for the ACP Restoration Project would be required for activities to remove felled trees, to install and remove timber mats, to access areas along the pipeline route, and to complete final stabilization and restoration of the pipeline right-of-way and associated aboveground facilities. Workspace for restoration would be within the previously approved workspace for the ACP Construction Project with the exception of two new proposed temporary access roads and a new proposed contractor yard to facilitate the restoration work and minimize overall disturbance associated with restoration activities.

Workspace for the ACP Restoration Project for the AP-1 mainline in uplands would typically encompass up to a 125-foot-wide workspace in non-agricultural lands and 150-foot-wide temporary workspace in agricultural lands. In the areas of steep terrain along AP-1 the restoration workspace would include an additional 25 feet of temporary workspace. For the AP-2 mainline, the restoration workspace would typically be up to 110 feet wide but may increase up

to 135 feet wide in agricultural areas. The restoration workspace along the AP-3 and AP-5 (there is no restoration work on AP-4) laterals would be up to 75 feet wide in non-agricultural areas and 100 feet wide in agricultural areas. Where the restoration workspace crosses wetlands, the width of the workspace would be reduced to 75 feet unless approved otherwise.

The ACP Restoration Project would affect approximately 4,012.1 acres of land, including the workspace and associated ATWS, aboveground facility sites, access roads, and contractor yards. Temporary and permanent access roads for the project would vary in length, surface type, and current condition. Most of the proposed roads were used or planned for use related to the ACP Construction Project and are suitable to use for the restoration work without improvement. Other roads may require improvements. Improvements, where necessary, may include widening and/or grading, adding gravel, paving, installing or replacing culverts, or trimming overhanging vegetation or tree limbs. Widening would generally involve increasing the width of the road up to a total of 30 feet.

Collectively, the most prevalent land use types crossed by the Restoration Project workspaces are forested lands where trees have been felled. A total of approximately 63.0 acres of additional tree felling is planned as part of the ACP Restoration Project (see discussion in section 2.1.1.2). This is followed in order of prevalence by agricultural lands (as further discussed in detail in section 4.9.1. A summary of the ACP Restoration Project’s workspace types and the acreage that would be affected by the restoration activities is included in table 2.3-1.

Project/Facility Type/Facility	Restoration Workspace (acres)
Full Restoration	1,404.7
New Tree Felling and Removal	63.0
Removal of (Already) Felled Tree	1,241.7
Access Areas—rights-of-way	694.3
Access Roads	276.2
Contractor Yards	332.2
<b>TOTAL</b>	<b>4,012.1</b>

<sup>a/</sup> The numbers in this table have been rounded for presentation purposes. As a result, the totals may not reflect the exact sum of the addends in all cases.

### **2.3.2 SHP Restoration**

Workspace for the SHP Restoration Project would be required for activities to restore the workspace affected by the SHP Construction Project. Workspaces for restoration are within the previously disturbed/used portions of the SHP Construction Project.

The SHP Restoration Project, including both the restoration areas and permanent existing facilities, would impact a total of approximately 490.5 acres (see table 2.3.2-1). The Restoration Project would involve restoration of about 366.0 acres of the workspace to pre-construction land

uses. The remaining 124.5 acres, including the workspace associated with three compressor stations and permanent access roads, would be permanently retained by EGTS.

<b>Project/Facility Type/Facility</b>	<b>Restoration Workspace (acres)</b>
Restoration Area	
SHP Pipeline Workspace	337.0
Contractor Yards	27.1
Temporary Access Roads	1.9
Total Restoration Area	366.0
Permanent Existing Facilities	
Compressor Stations	61.0
Permanent Access Roads	63.5
Total Permanent Existing Facilities	124.5
<b>TOTAL</b>	<b>490.5</b>
<sup>a/</sup> The numbers in this table have been rounded for presentation purposes. As a result, the totals may not reflect the exact sum of the addends in all cases.	

## **2.4 LANDOWNER COORDINATION**

### **2.4.1 ACP Restoration**

The ACP Construction Project crossed approximately 3,100 tracts of land of which approximately 2,000 tracts have had no ground disturbance or tree felling activities completed on them. For the 1,100 or so tracts with ground disturbance or tree felling work, approximately 600 have only felled trees on the ground, with the balance having some level of construction completed (i.e., various phases of construction work from clearing through pipeline installation through final reclamation/revegetation were completed).

There are 114 tracts, excluding road crossings, with pipe installed totaling approximately 31.4 miles. Of the 114 tracts, Atlantic informed the Commission that 14 easement agreements included language giving the landowner the option to have Atlantic remove the pipe, and that all 14 of these landowners have agreed to leaving the pipe in place. Therefore, Atlantic proposes to leave all installed pipe in place.

Atlantic evaluated several factors to determine where to leave felled trees in place to reduce impacts (see section 2.1.1.1.), with consideration of the requirements in the *Plan and Procedures*, and landowner easement agreements. To date, Atlantic has contacted 154 of the 600 landowners with felled trees on their property to discuss tree processing and restoration activities. Of the 154 contacted, Atlantic states that 101 will allow felled trees to be left in place and have signed easement amendment agreements to that effect. Although 101 landowners have signed amendments to allow trees to remain in place, as a result of Atlantic’s coordination with agencies, and following the analysis and application of environmental factors described in section 2.1.1, Atlantic is proposing to leave trees in place on 60 total tracts. Of these 60 tracts,

Atlantic states that 30 of the landowners have already been contacted and agreed to leave trees in place. Atlantic's discussions with the remaining 30 landowners continues.

We received a number of comments regarding the ability for landowners to communicate specific restoration requests, including specific replanting requirements. Atlantic plans to continue with its outreach to landowners, including those that were not impacted by construction activities. Atlantic will continue to engage in discussions with landowners so that the work proposed as part of the ACP Restoration Project can be completed in an efficient and environmentally compliant manner.

Atlantic will comply with the applicable legal obligations in its agreements with landowners. Atlantic will coordinate with landowners to ensure the work is completed to the reasonable satisfaction of the landowner.

## **2.4.2 SHP Restoration**

The SHP Construction Project route crossed 289 tracts of land across the two spreads, of which 208 (72 percent) have had some type of ground disturbance or tree felling activities performed. For the tracts with ground disturbance or tree felling, only one tract has felled trees still on the ground. EGTS proposes to leave the felled trees in place on this tract, as discussed in section 2.2.1.

EGTS plans to continue with its landowner outreach and to contact all landowners, including those that were not impacted by construction activities. In order to execute its proposed restoration scope, EGTS anticipates that further negotiations are required with some landowners so that the work can be completed in an efficient and environmentally compliant manner. EGTS is prioritizing its communications with landowners based whether ground disturbance and/or tree felling occurred on a tract and the type of activity completed.

EGTS will comply with the applicable legal obligations in its agreements with landowners. EGTS will coordinate with landowners to ensure the work is completed to the reasonable satisfaction of the landowner.

## **2.5 SCHEDULE AND WORKFORCE**

### **2.5.1 ACP Restoration**

Restoration of the ACP is anticipated to take between 1 1/2 to 2 years. Most restoration activities would occur between 6 a.m. and 6 p.m.; however, some nighttime activities may occur and could include the use of artificial lights. Atlantic anticipates that right-of-way restoration would be divided into two distinct areas — ACP North and ACP South, as demarcated by the James River at MP 217.2. Atlantic proposes to restore ACP North and ACP South simultaneously. Each area would generally be made up of the following crews as shown in table 2.5.1-1.

Table 2.5.1-1 Workforce Anticipate for Restoration Activities		
Crew	# of Crews Average/Peak <sup>a/</sup>	Duration (days)
Environmental	20	480
Clearing	20	120
Cleanup/Restoration	60	230
Seeding & Mulching	15	230

<sup>a/</sup> Restoration would be conducted by composite crews, and manpower would not fluctuate significantly.

## 2.5.2 SHP Restoration

The SHP Restoration Project is expected to take approximately six months total, including five months of work along the pipeline right-of-way and three months of work at the compressor stations. EGTS would employ 10 restoration crews totaling 84 workers on average and 100 during peak periods over the six-month restoration period.

## 2.6 ENVIRONMENTAL INSPECTION, RESTORATION COMPLIANCE MONITORING, AND POST-APPROVAL VARIANCES

The 2017 FEIS described environmental training program, environmental inspection program, FERC Compliance Monitoring Program, and post-approval variance process for the ACP Construction Project and the SHP Construction Project.<sup>37</sup> These programs and processes would be in effect for the ACP and SHP Restoration Projects.

### 2.6.1 ACP Restoration

Atlantic states that it is committed to monitoring the affected land and addressing restoration issues for a minimum of three years in accordance with FERC's *Plan and Procedures*, federal and state permits, and Atlantic's *Non-native Invasive Species Management Plan*. Atlantic and its component companies assert to have internal resources and the capacity to fund additional external resources, as well as easement rights, to engage environmental monitoring and undertake any applicable restoration activities.

Atlantic's inspections of the right-of-way would include monthly walks along the restored right-of-way by EIs who will document revegetation progress and monitor ground surfaces for signs of slope failure. At the time of dissolution of Atlantic Coast Pipeline, LLC, the company will file a notice with the Commission indicating the responsibility for any remaining restoration and monitoring requirements.

### 2.6.2 SHP Restoration

Similarly, EGTS states it is committed to monitoring all affected land and addressing restoration issues for three years following the completion of restoration. EGTS states it will file

<sup>37</sup> 2017 FEIS pp. 2-51 to 2-56.

a notice with the Commission stating the date restoration is complete and beginning the three-year monitoring and maintenance period.

## **2.7 INVESTMENT RECOVERY OF PROJECT ASSETS**

The information in the following sections is provided for disclosure purposes only; it is not part of the proposed action before the Commission and it does not inform the staff's environmental analysis.

### **2.7.1 ACP**

Atlantic is currently engaging in an investment recovery process whereby land Atlantic owns, as well as equipment and inventory not needed for restoration and maintenance activities, are being sold to third party purchasers.

Atlantic will utilize Dominion's real estate personnel to sell lands. Dominion has engaged its professional real estate services partner to oversee marketing Atlantic-owned properties. Atlantic states it will carefully consider all offers received and make a decision on the disposition of each site that is in the best interest of the ACP. Atlantic intends to market the properties, as the proposed restoration work is completed and Atlantic is released or has clarity on the release date(s) from the associated environmental permits.

Atlantic has also engaged Dominion's Supply Chain Investment Recovery personnel to dispose of materials on behalf of Atlantic. No mechanical equipment was installed at the Marts Compressor Station site; therefore, no disposition of materials is needed for this site. Loose and aboveground installed materials at the Northampton Compressor Station site will be sold or scrapped. The installed materials at the Smithfield M&R site will be sold with the land, with the possible exception of equipment (such as antennas, lines, etc.) mounted on the microwave tower structure. The tower itself, associated foundation and Federal Aviation Administration lighting system will remain.

Atlantic intends that any remaining project assets will continue to be held by Atlantic Coast Pipeline, LLC until its dissolution, at which time such assets will be distributed to its members (Dominion Atlantic Coast Pipeline, LLC, Duke Energy ACP, LLC and Piedmont ACP Company, LLC).

### **2.7.2 SHP**

EGTS owns the properties on which SHP aboveground facilities are located and would stabilize all facility sites and prepare assets for long term preservation. EGTS intends to retain a 2.0-acre parcel at the JB Tonkin Compressor Station and a 41.5-acre parcel at the Mockingbird Hill Compressor Station for future use.



### 3.0 ALTERNATIVES

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As required by NEPA, FERC policy, and Clean Water Act 404(b)(1) guidelines, we identified and evaluated reasonable alternatives to the proposed actions. Our identification and evaluation of alternatives is based on project-specific information; comments received on the Restoration Projects; publicly available information; our consultations with federal and state resource agencies; and our expertise and experience regarding the stabilization and restoration of lands affected by interstate natural gas transmission pipeline projects. To determine if an alternative would be preferable to the proposed action, an alternative must:

1. meet the objectives of the Restoration Projects;
2. be technically and economically feasible and practical; and
3. offer a significant environmental advantage over the proposed action.

Through environmental comparison and application of our professional judgement, each alternative is considered (in the sequence identified above) to a point where it becomes clear if the alternative could or could not meet the three evaluation criteria. An alternative that cannot meet the objectives of the Restoration Projects cannot be considered as an acceptable replacement. Not all conceivable alternatives are technically and economically feasible and/or practical. Technically feasible alternatives, with exceptions, would generally involve the use of common natural gas industry construction and restoration methods. Economically practical alternatives would result in an action that generally maintains the order of magnitude of cost to implement the proposed action. An alternative that would involve the use of a new, unique, or experimental construction or restoration method(s) may be technically feasible, but not economically practical, and may or may not have a documented history of success.

To determine if an alternative is practicable and would provide a significant environmental advantage over the proposed action, we compare the impacts of the alternative and the proposed action (e.g., number of wetlands/waterbodies affected by the alternative and number of wetlands/waterbodies affected by the proposed action). To ensure consistent environmental comparisons and to normalize the comparison resources, we generally use desktop sources of information (e.g., publicly available data, GIS data, aerial imagery) and assume the same right-of-way widths and general workspace requirements. Where appropriate, we also use site-specific information (e.g., field surveys or detailed designs), and consult with appropriate resource or land managing agencies to obtain additional site-specific information and their professional judgement regarding alternatives. In the following analyses, we assume that, consistent with the 2017 FEIS, an average 125-foot-wide construction right-of-way (without ATWS or reduction of right-of-way widths in wetlands) would be needed. Our feasibility assessments and impact evaluations are likely conservative; therefore, actual impacts may be less, equal to, or greater than those described herein. Our evaluation considers impacts on both the natural and human environments.

Our determinations attempt to balance the overall impacts (and other relevant considerations) of the alternative(s) and the proposed action. Recognizing the often competing interests driving alternatives and the differing nature of impacts resulting from an alternative (i.e., impacts on the natural environment versus impacts on the human environment), we also

consider other factors that are relevant to a particular alternative or discount or eliminate factors that are not relevant or may have less weight or significance. Generally, an alternative that is environmentally comparable or results in minor advantages in terms of environmental impact would not compel us to recommend the alternative.

### **3.1 ATLANTIC COAST PIPELINE RESTORATION PROJECT**

#### **3.1.1 No-Action Alternative**

The no-action alternative in this proceeding would result in Atlantic not implementing the actions proposed in its ACP Restoration Plan. Atlantic would not conduct final stabilization and restoration work on the now cancelled ACP. Leaving the right-of-way as is and not performing restoration work (i.e., adopting the no-action alternative) would not meet the objectives of the ACP Restoration Project, would not address public concerns resulting from the previous ACP construction activities, would likely violate conditions of numerous federal, state, and local permits, would not meet the requirements of the Programmatic Agreement, and would likely result in greater environmental impact than the proposed action. The greater environmental impact would result from unfinished work and lack of stabilization and restoration, which could permanently alter affected lands (contours and slopes); increase rates of erosion and sedimentation that could affect wildlife, fisheries, and likely federally listed threatened and endangered species; and permanently impair land uses. In consideration of these factors, we find that the no-action alternative is not preferable to the proposed action and we do not recommend it.

#### **3.1.2 Pipe Removal Alternative**

As described previously, Atlantic proposes to leave in place about 31.4 miles of installed pipe in West Virginia and North Carolina. During scoping we received numerous comments regarding the removal of all installed pipeline. Commenters primarily expressed concerns about land use impacts and impairment, and pipeline degradation and the resulting impacts on the environment. In response to these comments, we are evaluating an alternative that if implemented, would result in Atlantic removing the 31.4 miles of installed pipe, including pipe installed beneath waterbodies, wetlands, steep slopes, and roads.

Removing the installed pipe would require previously stabilized and restored lands (including environmentally sensitive areas) to be cleared and graded in a manner sufficient to facilitate excavation and removal of the pipeline. Additionally, equipment bridges, erosion control devices, other construction-related structures, and associated workspaces would need to be reinstalled to facilitate pipe removal construction activities. In addition to previously used workspace, additional workspace unique to and necessary for pipe removal (cutting for removal from trench) would need to be installed. Demobilized contractors and equipment (dozers, winch dozers, excavators, side booms, stringing trucks, long-bed trucks, watering trucks, pick-up trucks, generators, and pumps) would also need to be remobilized. Collectively, these activities would appear to impact the environment in a manner very similar to that of pipeline construction (assessed in the 2017 FEIS).

Removing the 31.4 miles of installed pipe would require the use (and disturbance) of at least 475.8 acres of land. ATWS, access roads, staging areas, and contractor yards would also be

required to support pipe removal, resulting in impacts on substantially more acres of land. In removing the installed pipe, vegetation reestablished over the course of several years would be cleared, and associated wildlife habitat would be at the least temporarily impacted. Consequently, the rates of stress, injury, and mortality experienced by wildlife in the Restoration Project area would increase. Furthermore, the loss of habitat and the disruption caused by associated equipment would affect federally listed threatened and endangered species. These species would likely be displaced and avoid affected lands, which in turn could affect their behaviors, increasing competition and predation. The rates of stress, injury, and mortality experienced would likely increase.

Although details are unknown and consultation is ongoing, the rusty-patched bumble bee and federally listed bat species would likely be impacted by removal of installed pipe. Additionally, soils would be disturbed by removal of vegetation as well as the installed pipe. Newly disturbed soils could increase erosion potential (and off-right-of-way sedimentation) and reduce the success of revegetation. Removing the installed pipe from beneath sensitive environmental resources including waterbodies, wetlands, and steep slopes could result in impacts on water quality, increase the potential for sedimentation, affect fish behavior and fitness, and increase the potential for slips on steep slopes. In some instances, pipe removal in sensitive areas and under roads is not feasible due to placement depth and would not be preferable given the sensitivity of the resource. Additionally, land use during pipe removal would be precluded, and traffic volume on area roads and air emissions from on-road and construction vehicles/equipment would increase. Atlantic estimates that about 3,200 round-trip truckloads would be necessary just to haul away and dispose of excavated pipe. Overall, we believe removing the installed pipe would destabilize currently stable and restored lands; impact affected lands, property owners, and area residents a second time (Atlantic estimates that removing the pipe would require at least 12 months); and impact anew and prolong (by years) the impacts on the environment resulting from the ACP Restoration Project. Although removing the installed pipe would address concerns received about pipeline degradation and subsequent impacts on the environment, we find in section 4.14 that Atlantic's proposed stabilization and restoration efforts would sufficiently protect public safety, and that upon completion of its efforts, there would be minimal potential risk to public safety resulting from the in-place pipe segments.

Given the potential for substantial impacts of removing the installed pipe and the minimal resulting impacts of leaving the installed pipe in-place as discussed in the subsequent environmental analysis (section 4.0), we find that this alternative would not offer a significant environmental advantage over the proposed action; thus we do not recommend it.

### **3.1.3 Felled Trees Alternatives**

Atlantic's efforts to complete the ACP resulted in the felling of trees on about 2,588 acres of forested land, of which about 1,581 acres of downed trees were left (and remain) in place. As described previously, about 108.4 miles of felled trees are currently lying on the right-of-way. In sections 4.6 and 4.7, we have described the existing conditions of the right-of-way containing felled trees that have not been cleared; specifically, the disturbed vegetation and associated wildlife. Several years have passed since the trees were felled; vegetation has grown up around the felled trees and wildlife now occupies this vegetation/habitat. As they exist today, we generally believe that conditions in these areas can be considered akin to natural succession and

a benefit to restoration/stabilization. On the other hand, these same conditions can also be considered as an impediment to land use and potentially inhibit landowner access to parts of their property.

During scoping we received comments from the Virginia Department of Conservation and Recreation, the Wintergreen Property Owners Association, and other parties indicating that previously felled trees should be left in place. The FS has also recommended that felled trees on lands it manages to be left in place. These and other commenters expressed concerns that removing felled trees would be more environmentally impactful than allowing them to remain in place. Commenters also expressed concern about potential impacts on sensitive environmental resources including wetlands and waterbodies should felled trees be removed.

Conversely, we also received comments from affected landowners and other parties preferring the opposite scenario; that is, specifically requesting that Atlantic remove felled trees from areas where they are currently proposed to be left in place. In response to this range of comments, we are evaluating two alternatives to address felled trees — 1) removing felled trees project-wide; and 2) leaving felled trees in place project-wide.

We understand and agree that landowners ought to have a say in how their land is affected with respect to the felled trees, and that Atlantic may have already negotiated signed agreements regarding disposition of felled trees on specific tracts. Our discussion here does not attempt to evaluate tract-by-tract impacts and is not meant to override signed agreements or specific land use wishes of landowners for their properties. Rather, our evaluation and recommendation are based on what we believe is in the best interest of right-of-way stability and for the environment in general.

### ***3.1.3.1 Remove All Felled Trees Alternative***

As noted above, we received comments that all felled trees should be removed from the right-of-way. Thus, we considered an alternative whereby Atlantic would remove about 15 of the 25.2 miles of felled trees that it proposes to leave in place. This alternative addresses trees felled and not cleared on lands other than FS administered properties and the seven adjacent private tracts that would require removal of felled trees on FS property in order to access the private properties<sup>38</sup>, which totals about 10 miles. Under this alternative, felled trees on the referenced 15 miles of right-of-way would be chipped, stacked, burned, or removed in a manner similar to how Atlantic proposes to process felled trees in other areas (see section 2.1.1.2).

Removing felled trees on about 15 miles of right-of-way would impact at least 227.3 acres of land. Additional land would also likely be required for ATWS and access roads, increasing the total amount of land (and resources) affected. In removing the felled trees, vegetation would be cleared and associated wildlife habitat would be lost. Consequently, the rates of stress, injury, and mortality experienced by wildlife in the project area would increase, and over 200 acres of potentially suitable federally listed threatened and endangered species

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<sup>38</sup> The FS has already indicated that it will require felled trees to remain in place on lands administered by FS and prefers that the associated private tracts be treated similarly. See section 4.8.3 of this EIS for detailed rationale of the benefits of leaving felled trees in place on lands administered by FS. We respect the FS' right to manage NFS lands; thus, our consideration of this alternative is specific to non-FS area locations.

habitat could be affected. Additionally, soils would likely be disturbed, potentially increasing erosion and the potential for slips to occur on steep slopes. Revegetation success would be reduced, and the stabilization and restoration of affected lands could be delayed. Furthermore, removing felled trees from the referenced 15 miles of right-of-way would impact numerous waterbodies (23) and wetlands (1.3 acres). Collectively, these impacts would prolong the impacts on the environment resulting from the ACP Restoration Project.

Based on the above, we conclude that the potential impacts on the environment resulting from removal of the felled trees would be greater than the potential benefits gained from removing them. Given the impacts of removing felled trees, comparing them to the lesser resulting impacts of leaving felled trees in place (see section 4.0), we find that this alternative would not offer a significant environmental advantage over the proposed action, is not preferable to the proposed action, and do not recommend it.

### ***3.1.3.2 Leave All Felled Trees in Place Alternative***

Under this alternative, Atlantic would leave in place about 83.2 miles of felled trees that it proposes to process (chip, stack, burn, or remove).<sup>39</sup> Leaving these felled trees in place would likely result in no additional work being performed on many affected lands. However, some additional work (i.e., not related to tree removal) may be required to address other issues and/or remove construction devices and structures.

This alternative would avoid the need to affect about 1,260.6 acres of land (again, assuming an average 125-foot construction right-of-way and not including the aforementioned potential additional work) and the use of associated ATWS and access roads. Leaving the felled trees in place could impact land use and could impede access to these lands. Additionally, invasive plant species that have taken root on these lands may be undesirable to the property owner. However, by leaving the felled trees in place, no vegetation would be cleared, and associated wildlife habitat would not be affected. Consequently, the rates of stress, injury, and mortality experienced by wildlife in the project area would not substantially increase, and effects on federally listed threatened and endangered species would be considerably reduced. The numbers of waterbodies and wetlands that would be traversed to access these lands and the subsequent impacts on these resources would also be substantially reduced. Additionally, soils would not be disturbed by removing the felled trees and by the use of the tree removal equipment. These felled trees have largely become part of the affected environmental and natural succession process and we believe removing them and restarting this process would exacerbate and prolong environmental impacts in most locations. However, we acknowledge that some affected property owners may be expecting or prefer to have the felled trees removed. We encourage landowners to make their property-specific wishes known to Atlantic and to file such comments into the FERC docket. Further, there may be specific locations where it may be advantageous to remove felled trees (e.g., where blocking a stream). Therefore, **we recommend that:**

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<sup>39</sup> Atlantic considers felled trees to be timber waste. We also typically consider felled trees to be construction debris and we generally do not support them being left on an operational right-of-way. However, there are historical precedents where felled trees were left on or adjacent to a right-of-way to discourage vehicle use or to provide wildlife habitat.

- **Atlantic should not process/remove the 83.2 miles of felled trees along the ACP Construction Project as proposed, and it should leave all previously felled trees in place. Where landowners prefer removal of felled trees that were not previously cleared from the ACP Construction Project, Atlantic should remove the felled trees from the landowner tract, and Atlantic should file documentation with the Secretary prior to restoration activities indicating the landowners' preference for the tree removal method, the specific landowner tract location along the ACP project by station number, and then implement the landowner preference at these locations. If Atlantic believes that there are safety, landowner, or environmental concerns that have yet to be identified that would preclude the tree removal on these tracts where the landowners prefer felled tree removal, Atlantic should file supplemental information and justification with the Secretary, and request specific approval from the Director of the Office of Energy Projects (OEP), or the Director's designee, to leave the felled trees in place between these specific station numbers.**

We believe that leaving the felled trees in place in most circumstances, when compared to the impacts of removing the felled trees as described previously in this document, would offer a significant environmental advantage over the proposed action. Additionally, this alternative would meet the ACP Restoration Project's objectives and is technically and economically feasible and practical. Therefore, based on the significant environmental advantage over the proposed action that this alternative would provide and the available mechanism for site-specific variances, we find that this alternative would be preferable to the proposed action and recommend the Commission adopt it in any order it may issue.

## **3.2 SUPPLY HEADER RESTORATION PROJECT**

### **3.2.1 No-Action Alternative**

The no-action alternative in this proceeding would result in EGTS not implementing the actions proposed in its SHP Restoration Plan. EGTS would not perform final restoration or conduct additional work on the now cancelled SHP. Not conducting final restoration work would not meet the objectives of the SHP Restoration Project, would not address public concerns resulting from the previous SHP construction activities, would likely violate conditions of numerous federal, state, and local permits, and would likely result in greater environmental impact than the proposed action. The greater environmental impact would result from unfinished work, and lack of final restoration, which could permanently alter affected lands (contours and slopes); increase rates of erosion and sedimentation that could affect wildlife, fisheries, and likely federally listed threatened and endangered species; and permanently impair land uses. We conclude that the no-action alternative would not meet the SHP Restoration Project's objectives and would not offer a significant environmental advantage over the proposed action; therefore, in consideration of these factors, we find that the no-action alternative is not preferable to the proposed action and we do not recommend it.

### **3.2.2 Pipe Removal Alternative**

As described previously, EGTS proposes to leave in place about 11.7 miles of installed pipeline. To determine if removing the pipeline would be environmentally preferable, we

evaluated an alternative that if implemented would result in EGTS removing the installed pipeline. Similar to our previous discussion concerning the ACP, removing the installed pipe would require previously restored lands (including environmentally sensitive areas) to be cleared and graded in a manner sufficient to facilitate excavation and removal of the pipeline, affecting about 177.3 acres of land. Additionally, construction-related structures would need to be reinstalled, and previously demobilized contractors and equipment would need to be remobilized. Collectively, these activities would impact the environment in a manner very similar to that of pipeline construction. Overall, we conclude that removing the installed pipe would destabilize currently stable and restored lands; impact affected lands, property owners, and area residents a second time; and impact anew and prolong (by years) the impacts on the environment resulting from the SHP Restoration Project. Because the impacts of removing the installed pipe would not meet the project objective and would not offer a significant environmental advantage over the proposed action, we do not recommend the pipe-removal alternative.

### **3.2.3 Remove Felled Trees Alternative**

As discussed in section 2.2.1.1, EGTS proposes to leave in-place the remaining 0.13 mile of trees that were previously felled during construction and remain on the ground, from MPs 5.76 to 5.89. Leaving these felled trees in place affects one landowner. We did not receive any comments during public scoping, particularly from the affected landowner, requesting trees along the 0.13 mile of the right-of-way be removed.

Overall, we conclude that, similar to the ACP, the potential impacts on the environment resulting from removal of the felled trees would be greater than the potential benefits gained from removing them, would not offer a significant environmental advantage over the proposed action, is not preferable to the proposed action, and we do not recommend it.

## **3.3 ALTERNATIVES CONCLUSION**

We reviewed alternatives to Atlantic and EGTS's proposals and conclude that the Leave All Felled Trees In Place Alternative for the ACP Restoration Project would provide a significant environmental advantage when compared to the proposed action. We also conclude that the other alternatives considered would not provide a significant environmental advantage over either Restoration Project. Therefore, we conclude that Atlantic's proposed action, with our recommended alternative for leaving felled trees in place, is the preferred alternative to meet the ACP Restoration Project's objectives. We also conclude that EGTS's proposed action is the preferred alternative to meet the SHP Restoration Project's objectives.

## **4.0 ENVIRONMENTAL IMPACT ANALYSIS**

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As discussed in section 1.3, construction of the ACP and SHP had begun prior to the projects being cancelled. Areas that were not affected by construction of the projects still display similar conditions as described in the 2017 FEIS, which is incorporated by reference in this sEIS.<sup>40</sup> Areas that have been affected by construction of the ACP or SHP could have different conditions from those discussed in the 2017 FEIS, and now represent the baseline condition. The conditions for those areas that were impacted by construction have been updated in this sEIS and are noted, as applicable.

Atlantic and EGTS state that workspaces would be restored to pre-construction contours and elevations, to the extent practicable. However, we acknowledge that in some instances, pre-construction conditions may not be achievable. Steep slope areas may require additional permanent measures to stabilize the slopes. Where trees were felled, it may take many years for vegetation to revert naturally to conditions similar to those that were present pre-construction.

### **4.1 GEOLOGY**

The Restoration Projects would involve work on steep slopes, through areas containing karst bedrock, and may occur on lands containing acid producing rock and soil that were previously disturbed during construction. These and other geologic hazards along the ACP and SHP Projects were addressed in section 4.1 of the 2017 FEIS.<sup>41</sup> Various geologic deposits are located along the ACP and SHP pipeline routes, including unconsolidated material, metamorphic and igneous bedrock units, and sedimentary bedrock units. The occurrence of karst geology was also an important consideration for the ACP and SHP Construction Projects.

#### **4.1.1 Steep Slopes**

The ACP and SHP Restoration Projects would involve work across steep and mountainous terrain. Along the ACP pipeline route, current conditions along steep slopes, defined as having a 30 percent or greater grade and over 100 feet in length, include 5 miles that have been mechanically cleared; 11.4 miles where trees have been felled only; 2 miles where grades have been cut and are currently temporarily stabilized; 2 miles where grades are cut and restored and are currently temporarily stabilized; and 0.6 mile that has undergone final stabilization. Along the SHP pipeline route and areas defined as steep slopes, approximately 5 miles have been cleared; 0.2 mile has been graded; and 6 miles have been restored.

As part of their restoration efforts and to reduce potential impacts on the environment, Atlantic and EGTS would implement its BIC Field Implementation Guide - BIC Program design and operational measures in areas with steep slopes (greater than 30 percent) to minimize the potential for future slips. The focus of the BIC Program is to proactively address water management and spoil storage on defined steep slopes, which can lead to slip hazards and potentially affect environmental resources and public infrastructure. The BIC Program is intended to incorporate the permit requirements from the WVDEP, VDEQ, FERC, and the FS,

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<sup>40</sup> 2017 FEIS section 4 Environmental Analysis.

<sup>41</sup> 2017 FEIS pp. 4-1 to 4-48.



and then expand on these regulatory standards in order to mitigate for potential erosion and sediment discharges related to steep slopes and slip hazards.

The results of the prior ACP and SHP Construction Projects design work were compiled into a *Field Implementation Guide* that Atlantic and DETI used to make recommendations for the installation of the appropriate BIC Program mitigation “incremental control” measures, where needed during certificated pipeline project construction. These same incremental controls would be installed to enhance baseline erosion and sediment control devices (i.e., temporary sediment barriers, reinforced silt fence and straw bales, and temporary slope breakers) installed during grading to retain sediment on the restoration corridor, reduce runoff velocity, and divert water off the restoration corridor into stable, well-vegetated areas or through energy dissipation devices. The core incremental controls include drains; armored channels; changed seep characteristics; compact backfill; and spoils management. In addition to these measures, following the completion of the restoration and stabilization work, segregated topsoil would be spread over the surface of the workspace, and permanent erosion controls would be installed. Mechanically fastened erosion control blankets, in lieu of mulch, would be installed on steep slopes to stabilize vegetation. Grades in excess of 3:1 would be stabilized with degradable blanket mulch such as jute mesh, wood excelsior, or fibers until the vegetation is established. Permanent or temporary erosion control measures would include materials such as hydro mulch, diversion ditches, water bars, check dams, or rock veneer with seeding, and the use of additional structural materials to provide an anchor for revegetation and deposition of soil. The material selected is dependent on the slope as well as the method chosen.

Slips could affect adjacent sensitive resources including several waterbodies as identified in table 4.1.1-1 below. Should a slip occur, Atlantic would consult with appropriate subject matter experts, i.e., geotechnical engineers and geologists, to develop site-specific designs to remedy or reduce the potential for future slips. The impacts of slips on sensitive resources is addressed as appropriate in following sections.

<b>Spread</b>	<b>MP</b>	<b>Waterbody ID</b>	<b>Waterbody Name</b>	<b>Waterbody Designation</b>	<b>Sensitive Species</b>
1-1	14.91	sleb109	Unnamed Tributary to Hackers Creek	Warmwater Fishery	Tributary to Hackers Creek that has assumed presence of clubshell mussel.
2A	66.30	srae111	Valley Fork	Coldwater Fishery	Potential for brook trout.
2A	72.31	srac112	Mingo Run	Coldwater Fishery	Potential for brook trout.
2A	75.08	spoe017	Dry Fork	Coldwater Fishery	Potential for brook trout.
3A	92.94	spoe014	Powder Lick Run	Coldwater Fishery	Potential for brook trout; tributary to Thomas Creek that has assumed presence of candy darter.
3A	93.59	spoe010	Unnamed Tributary to Thomas Creek	Coldwater Fishery	Potential for brook trout; tributary to Thomas Creek that has assumed presence of candy darter.

Atlantic states that if a slip should occur near these waterbodies, it would coordinate with the West Virginia Division of Natural Resources (WVDNR) and/or FWS and remove debris from the stream as necessary.

During scoping, we received comments that affected lands should be restored to pre-construction topography. Although Atlantic and EGTS would attempt to restore affected lands to pre-construction contours and elevations, it has been our experience with these projects and others, that restoration of steep slopes to pre-construction conditions is difficult and that it is likely that many slopes will be permanently affected. Permanent impacts include modified contours, the installation of long-term to permanent erosion controls, and delayed revegetation. However, while complete restoration may be difficult, stabilization is reasonably achievable to minimize the potential for slips and associated environmental resource impacts.

Atlantic states that it does not anticipate any steep or unstable slopes where restoration to pre-construction contours cannot be made; however, it is possible that some areas will not be able to be restored to pre-construction conditions, and impacts may or may not be permanent. Should these areas be identified in the future, Atlantic would follow the procedures outlined in section 2.6 for post-approval variances.

EGTS identified one area, along the south side of U.S. Route 50 in Doddridge County, West Virginia (approximate MP 10.5) as not being returned to pre-construction conditions. EGTS filed a variance request that was subsequently approved by FERC to address this area.<sup>42</sup>

#### **4.1.2 Karst Terrain**

The 2017 FEIS states that Atlantic would cross 71.3 miles of land that has the potential to contain karst features; and for EGTS, approximately 1.1 miles of SHP TL-636 pipeline loop in Westmoreland County, Pennsylvania is in an area that has the potential to contain karst features. Atlantic provided the following summary regarding the current conditions where there exists the potential for karst along the restoration corridor by construction spread:

**MPs 59.4 – 77.7:** karst bedrock is mapped to begin at MP 65.8 at the base of Point Mountain and underlies the alignment to Route 219 in Big Spring crossing both Randolph and Pocahontas County, West Virginia. MP 65.8 is the northernmost extent of the mapped karst. The karst area continues southward across the Great Valley to the west pediment of the Blue Ridge Front. The construction status of these karst areas includes areas that have been:

- cleared, graded, and trenched – MP 66.3 – 66.4, 68.3 – 72.15, 74.9 – 75.4;
- cleared and graded, only – MP 65.7 – 66.3, 67.7 – 68.1, 72.15 – 72.5; and
- cleared only – MP 66.8 – 67.7, 68.1 – 68.3, 72.5 – 72.8, 73.6 – 74.0.

**MPs 77.7 – 92.8:** karst bedrock is mapped from 77.7 to 86.9 (Pocahontas County, West Virginia). Construction status include areas that have been cleared only – MP 78.7 – 80.4.

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<sup>42</sup> FERC eLibrary Accession Nos. 20201021-3015 and 20201013-5236.

**MPs 92.8 – 110.6:** karst areas were limited to the slopes of Michael Mountain, a small area west of Route 220, and the Valley Center area (Pocahontas County, West Virginia and Highland County, Virginia). Construction status include areas that have been cleared and graded, only – MP 93.8 – 94.2.

**MP 110.6 – 125.1:** the proposed alignment (Highland and Bath Counties, Virginia) crosses mapped karst bedrock in dissected sections typically located at the bases of valleys. No construction activity has been conducted in this spread.

**MP 125.1 – 157.3:** within Bath and Augusta Counties, Virginia, karst is present as discontinuous sections in the Deerfield Valley. Tree felling has been completed through the majority of the Deerfield Valley, with small uncleared sections where the alignment passed across pastureland, row crop fields or where permission to clear could not be obtained. No further construction activities were performed beyond tree clearing within this spread.

**MP 157.3 – 194.6:** no construction activity has been conducted in this karst area.

Approximately 1.1 miles of the SHP TL-636 pipeline loop in Westmoreland County, Pennsylvania is in an area that has the potential to contain karst features. SHP states that no construction activity has commenced in this area, and no further work is proposed as part of the Restoration Project activities.

ACP Restoration Project activities would take place on lands containing karst bedrock. In these areas, stabilization and restoration work would be conducted in accordance with Atlantic’s *Karst Terrain Assessment Construction, Monitoring and Mitigation Plan*. This plan contains best management practices that would be implemented to mitigate, remediate and monitor karst features encountered during restoration work. The goal of this plan is to minimize impacts on environmental receptors such as water-supply wells and springs, surface waters, and wetlands. Best management practices would apply to any karst feature, which allows the unfiltered and unimpeded flow of surface drainage into the subsurface environment, including (but not limited to): open throat sinkholes; caves that receive surface drainage; sinking streams; and losing stream segments.

If during the restoration and stabilization work a new karst opening and/or cover-collapse sinkhole forms, work in that area would stop and the sinkhole would be isolated from the rest of the work area with sandbags or other suitable materials. The sinkhole would be inspected by a karst specialist and appropriate action taken to ensure protection of the aquatic resource and subterranean habitat. Atlantic’s preferred method for remediation would be the graded/inverted filter method which involves excavation and cleaning out collapsed, soft soils in the weakened zone to limit further soil raveling and placing rocks or boulders large enough to bridge the bedrock conduit or “throat” at the bottom of the excavation. Progressively finer rock and gravel would then be placed and compacted above the base course, above which is placed a layer of permeable geotextile fabric and soil to the final grade, which is then seeded. The advantage of this method is that it allows surface water to continue to infiltrate into the subsurface but prevents further soil raveling (which is the root cause of cover-collapse sinkholes). The vegetated soil stratum and underlying gravel acts as a natural filter for the water infiltrating to the underlying solution enlarged conduits and fracture system.

Anywhere that the ACP Restoration Project's workspace is within 150 feet of a geologically sensitive karst feature in West Virginia, the WVDEP would be provided with the feature name based on the unique identifier nomenclature described in the survey methods section of the karst monitoring and mitigation plan, the latitude and longitude of the feature, photographs of the feature, a karst description sheet detailing the feature's estimated size and characteristics (i.e. drainage, vegetation, presence or absence of an open throat, etc.).

#### **4.1.3 Long-term Restoration Monitoring of Steep Slopes and Karst Areas**

Atlantic states that in the event that Atlantic Coast Pipeline, LLC is no longer in existence prior to completion of the maintenance provisions in the FERC *Plan* and *Procedures* then any remaining obligations would be carried out by its members Dominion Atlantic Coast Pipeline, LLC, Duke Energy ACP, LLC, and/or Piedmont ACP Company, LLC. Atlantic would comply with the maintenance provisions and timelines in the FERC *Plan* and *Procedures*, which extend to approximately three years following construction. The *Plan* and *Procedures* require two years of monitoring and maintenance in upland areas following construction and a minimum of three years of monitoring in wetland areas following construction. During this timeframe, Atlantic would conduct monthly right-of-way inspections by walks along the restored right-of-way by EIs who would document revegetation progress and monitor ground surfaces for signs of slope failure, and/or karst development.

EGTS states that it would continue restoration, monitoring, and maintenance indefinitely once restoration is complete, including slips along the restoration corridor, access roads and structures, based on the FERC *Plan* and *Procedures*, or until easements or right-of-way(s) are abandoned. EGTS standard operating procedures for these patrols include walking, driving, flying or other appropriate means of traversing the right of way to observe surface conditions on and adjacent to the restored right of way.

EGTS patrols would be conducted each calendar year at intervals not exceeding 15 months. Abnormal or unusual conditions that are observed on or adjacent to the restored right of way would be documented and reported immediately to the Operations Supervisor for investigation, and patrol records would be retained for a minimum of five years.

#### **4.1.4 Acid-Producing Rock and Soils**

Geologic formations that contain sulfide minerals are found in various geologic and geomorphic settings across the project area. For the Construction Projects, approximately 185 miles of potentially acid-producing rock and soils were identified along the certificated Construction Projects right-of-way. Tailings may potentially be encountered in these areas that could be acid-producing. These settings include unconsolidated sulfide-rich sediments, some slate and phyllite formations, black shales, and sulfide-rich coal seams. Typically, the conditions necessary for acid rock drainage are encountered in areas where mining is occurring or has occurred previously. Acid-producing rock and soils have the potential for generating acid rock drainage (ARD). Runoff of ARD could alter soil chemistry, affecting revegetation of disturbed areas, rendering areas more susceptible to erosion, as well as potential negative impacts to nearby wetlands, waterbodies, and both terrestrial and aquatic vegetation and wildlife.

Section 4.1.4.4 of the 2017 FEIS states that the AP-1 mainline crosses reclaimed coal surface strip mines in West Virginia and includes a discussion of potential impacts that could result from construction activities.<sup>43</sup>

Project EIs are trained to identify ARD and would survey areas for signs of acid-producing rocks, soil, and natural ARD, including but not limited to, staining on side slopes, sparse vegetation, and red-colored discharge. The EIs would observe restoration activities for signs of acid-producing rocks and soil for evidence of iron oxidation and ARD, and apply appropriate mitigation measures including the use of soil amendments such as compost or mulch to improve soil absorption and prevent water runoff and/or the installation of permanent environmental control devices to prevent impact to environmental resources from ARD.

## 4.2 SOILS

Restoration Project activities would affect numerous soil types. Soil types and their characteristics crossed by the ACP and SHP Restoration Projects are discussed in section 4.2.2 and summarized in table 4.2.2-1 of the 2017 FEIS. As shown in Table 4.2.2-1 of the 2017 FEIS, approximately 4,000 acres and 3,000 acres of soils classified as Prime Farmland and Farmland of State-wide Importance, respectively, occur in the combined ACP/SHP construction work areas.<sup>44</sup> During final restoration, segregated topsoil would be spread over the surface of the workspace and permanent erosion controls would be installed. Revegetation measures would be implemented in accordance with the *Restoration and Rehabilitation Plan* and the *FERC Plan* or as directed by the appropriate land managing agency. Disturbed, non-cultivated work areas would be stabilized and seeded as soon as possible after final grading (weather and soil conditions permitting), subject to the recommended seeding dates for the seed mixes used to revegetate different areas along the right-of-way and, where applicable, access roads. Seeding would stabilize the soil, improve the appearance of the area disturbed by restoration, and in some cases, restore native flora.

Reseeding mixes generally consist of grass species that grow well in the local area and that are effective in controlling soil erosion in areas that have been disturbed. Seed mixes may also include species that provide food and habitat for wildlife. Both soil types and degree of slope would be considered in the application of the seed mixes during restoration. Invasive species would be managed in accordance with the *Non-Native Invasive Plant Species Management Plan*. As described in the *Restoration and Rehabilitation Plan*, Atlantic has proposed seed mixes based on the recommendations from consultations with state and federal agencies. EGTS states that all areas exhibiting soil instability as a result of construction would be permanently stabilized and restored.

With the implementation of the *FERC Plan and Procedures*, along with Atlantic and EGTS' *Restoration and Rehabilitation Plans; Non-Native Invasive Plant Species Management Plan; BIC Field Implementation Guide; and Karst Terrain Assessment Construction, Monitoring and Mitigation Plan*, the ARD monitoring and mitigation procedures, we conclude that impacts on soils or from geologic hazards would not be significant and would be sufficiently minimized.

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<sup>43</sup> 2017 FEIS pp. 4-32 to 4-34.

<sup>44</sup> 2017 FEIS p. 4-53.

## 4.3 WATER RESOURCES

### 4.3.1 Groundwater Resources

Groundwater resources are discussed in section 4.3.1 of the 2017 FEIS. Project restoration activities have the potential to temporarily impact groundwater resources. These impacts would be minimized or avoided through the implementation of measures as described in the FERC *Plan* and along with the measures outlined in Atlantic's and EGTS's various construction and restoration plans.

Impacts on groundwater levels and/or groundwater quality (such as increased turbidity) in shallow aquifers due to restoration activities would be localized and temporary since water levels quickly re-establish equilibrium and turbidity levels rapidly subside. Furthermore, Atlantic and EGTS would restore the ground surface to original contours as closely as practicable and restore vegetation on the restoration right-of-way to establish surface drainage and recharge conditions as closely as possible to those prior to construction disturbance.

The use and storage of hazardous or toxic materials and fluids used on the restoration right-of-way would be typically limited to fuels, oils, lubricants, hydraulic fluids. To avoid or limit an inadvertent release of these materials into the environment, Atlantic and EGTS would handle these materials in accordance with their *Spill Prevention, Control, and Countermeasures (SPCC) Plan*. Additionally, Atlantic and EGTS would implement the FERC *Plan* and *Procedures* and comply with state and local discharge permits to minimize and mitigate potential impacts on surficial aquifers. Atlantic would perform equipment refueling and lubricating in upland areas at least 100 feet from the edges of waterbodies and wetlands. Refueling, overnight parking, and upland water discharge locations will be a minimum of 300 feet from sensitive waterbodies and karst features. These activities would only occur within these minimum distances if the EI determines that there is no reasonable alternative, and the contractors have taken appropriate steps (including secondary containment structures) to prevent spills and provide for prompt cleanup in the event of a spill.

Karst development greatly increases the susceptibility of underlying aquifers and downgradient environmental receptors to contamination sources (e.g., stormwater runoff, chemical spills, or other contaminants) originating at the ground. Where mature karst surface topography is developed, there is a discernable lack of perennial surface streams, as water is lost rapidly to the subsurface network of karst conduits; as such, karst areas are susceptible to a greater range of environmental impact.

As discussed above in section 4.1.2, best management practices would be utilized to mitigate, remediate, and monitor karst features encountered within disturbed areas along the restoration corridor with the goal of minimizing impact on environmental receptors such as water-supply wells and springs, surface-water bodies, and wetlands through the protection of groundwater quality and quantity.

As discussed in the 2017 FEIS, Atlantic and EGTS would test water-supply wells and springs within 150 feet of the construction workspace (within 500 feet of the construction workspace in karst terrain) for well yield and water quality in order to provide baseline information to determine whether construction activities have adversely affected water sources;

and if a damage claim is filed post-construction, water quality testing would be conducted to determine if water supply wells and springs were affected by construction activities. If damage occurred, Atlantic and EGTS have committed to providing a temporary potable water source, and/or a new water treatment system or well. The companies would continue to comply with these commitments during restoration activities for their respective projects.

Based on the scope of the Restoration Project, the limited potential for impacts on groundwater, and with implementation of Atlantic's mitigation measures for spills of fuels and other hazardous material, and its testing procedures for wells and springs, we conclude that groundwater would be sufficiently protected and not be significantly affected by the Restoration Projects.

#### **4.3.2 Surface Water**

Waterbodies affected by the ACP and SHP Projects were identified and described in the 2017 FEIS.<sup>45</sup> The 2017 FEIS also described impacts on these waterbodies resulting from construction of the projects and identified measures Atlantic and EGTS would implement to avoid and reduce waterbody impacts.

ACP Restoration Project activities would impact 35 waterbodies in West Virginia (32), Virginia (1), and North Carolina (2). Of the warmwater and coldwater streams and rivers affected, 18 are considered perennial, 14 intermittent, and 3 ephemeral. Waterbody widths (bank to bank) range between 3 feet and 60 feet, with 17 waterbodies measuring between 10 and 20 feet wide. No specially managed waterbodies would be affected by the Restoration Project.

During scoping we received numerous comments concerning surface waters. Comments received addressed: restoration and monitoring of impacts on the Jackson River, restoration of waterbodies impacted by previous construction; impacts on the Matthew Creek Stream Conservation Unit; impacts on floodplains, and on/from flood hazards; impacts on drinking water supplies; and impacts of tree removal on adjacent waterbodies. The Jackson River is in Highland County, Virginia at approximately MP 91.5 (AP-1). A crossing of the Jackson River is not required to complete the Restoration Project. Matthews Creek is in Buckingham, Virginia. A crossing of Matthews Creek is not required to complete the Restoration Project. The Matthews Creek SCU is addressed in section 4.5.1.3.

As described previously, some work in, through, and near waterbodies (travel on equipment bridges, installation/removal of equipment bridges, installation/removal of adjacent mats, and culvert installation/replacement and water withdrawals for dust control) would be required to complete the proposed stabilization and restoration. Due to the nature of the proposed work and the absence of permanent structures and impacts on the landscape, floodplains would not be significantly affected, and flood hazards would not significantly increase. Additionally, no pipe removal or trenching would occur in waterbodies, and because no substantial activity would occur within waterbodies, drinking water supplies would not be adversely affected.

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<sup>45</sup> 2017 FEIS section 4.3.2 and Appendix K.

Restoration Project activities would temporarily impact waterbodies. The installation, use, and removal of equipment bridges would increase turbidity and sedimentation within affected waterbodies. Increased turbidity and sedimentation would subsequently decrease water quality; however, these impacts would be minor and localized. Additionally, Restoration Project activities including the removal and trimming of trees near waterbodies would increase the potential for erosion to occur which could further impact turbidity and sedimentation rates within affected waterbodies. Lastly, operating equipment over bridges or near waterbodies could result in an inadvertent equipment-related fluid release which could adversely affect water quality. However, no long-term or permanent impacts on waterbodies resulting from the Restoration Project are expected.

To avoid and minimize impacts on waterbodies, Atlantic would install temporary equipment bridges consistent with the FERC *Procedures* and implement other measures as described in the FERC *Procedures* including the installation of erosion control devices and structures (e.g., silt fence and slope breakers). Atlantic would also adhere to all applicable timing restrictions unless waived by the appropriate regulatory authority. Lastly, Atlantic would implement measures described in its *SPCC Plan*, which addresses, among other things, equipment maintenance, parking, and refueling.

Based on the scope of the ACP Restoration Project, the characteristics of the waterbodies that would be affected, the potential impacts on waterbodies, and Atlantic's implementation of impact avoidance and minimization measures, we conclude that surface waters would not be significantly affected.

SHP Restoration Project activities (bridge, mat, and culvert removal and the removal of associated structures/materials), would temporarily impact 35 waterbodies. Of these 35 waterbodies, most of which are considered minor due to their width being less than 10 feet, 24 are associated with access roads. No pipe removal, trenching, or other substantial work would occur in waterbodies. Impacts on these waterbodies would be similar to those described above, and EGTS would also implement impact avoidance and reduction measures as described in its *SPCC Plan* and the FERC *Procedures*. Therefore, based on the expected impact, and EGTS' implementation of impact avoidance and reduction measures, we conclude that surface waters would not be significantly affected by the SHP Restoration Project.

#### **4.4 WETLANDS**

ACP Restoration Project activities would impact a total of about 422 individual wetlands including palustrine emergent, palustrine scrub-shrub, and palustrine forested wetlands. Wetland types were described in the 2017 FEIS, section 4.3.3.<sup>46</sup> As described previously, some work in and through wetlands (travel, mat installation/removal) would be required to complete the proposed stabilization and restoration. No pipe removal or trenching would occur in wetlands. Of the 422 wetlands affected, about 338 of these wetlands are relatively small and would experience less than 0.5 acre of impact due to Restoration Project activities. In total, the ACP Restoration Project would impact about 173.7 acres of wetlands.

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<sup>46</sup> 2017 FEIS p. 4-130.



ACP Restoration Project activities would temporarily impact wetland vegetation and could impact wetland soils and hydrology similar to what was described in the 2017 FEIS, section 4.3.3.5.<sup>47</sup> Specifically, equipment traveling through wetlands or on timber mats placed in wetlands would trample vegetation. Furthermore, the weight of this equipment could compact wetland soils which could subsequently affect wetland hydrology. However, these impacts would be temporary, and permanent impacts on wetlands resulting from Restoration Project activities are unlikely. Lastly, operating equipment through or in the vicinity of a wetland could result in an inadvertent equipment fluid release which could adversely impact wetland vegetation and soils. During the public scoping period, we received comments concerning wetland impacts, specifically the permanent conversion of wetlands from one classification type to another. Atlantic's previous construction efforts resulted in long-term conversions of one wetland type to another; however, Atlantic's proposed ACP Restoration Project activities would not result in the permanent or long-term conversion of one wetland type to another.

To prevent impacts on wetlands and to reduce impacts on wetlands should they occur, Atlantic would implement measures contained in the FERC *Plan* and *Procedures* and its *SPCC Plan*. The FERC *Procedures* also include measures to monitor and document wetland restoration, and if necessary, addressed wetlands' restoration issues. Based on the scope of the ACP Restoration Project, the resulting temporary impacts, and Atlantic's commitment to reduce impacts on wetlands, we conclude that wetlands would not be significantly affected by the ACP Restoration Project.

SHP Restoration Project activities, including mat and culvert removal, would impact seven wetlands. A total of less than 1 acre of wetland would be affected by the SHP Restoration Project. Impacts on these wetlands would be similar to those described above and EGTS would also implement impact avoidance and reduction measures as described in the FERC *Plan* and *Procedures* and its *SPCC Plan*. Therefore, given the amount of impact, we conclude that wetlands would not be significantly affected by the SHP Restoration Project.

#### **4.5 FISHERIES AND AQUATIC RESOURCES**

The ACP and SHP Restoration Projects would occur in the same general aquatic habitats that were described in the 2017 FEIS, though fewer waterbodies and aquatic features would be affected by restoration activities due to the more limited scope.<sup>48</sup> Fish species commonly found in the waterbodies in the Restoration Projects area are listed in table 4.6.1-1 of the 2017 FEIS. No Essential Fish Habitat would be affected by the ACP or SHP Restoration Projects.

ACP Restoration Project activities would directly affect 35 waterbodies, and the SHP Restoration Project would affect 35 waterbodies as described in section 4.3.2. General activities that would take place in and near waterbodies include installation/removal of mats, bridges, and culverts. Upland restoration activities near waterbodies such as tree felling and/or removal, full restoration activities (right-of-way and contractor yards), access areas, and use of access roads could result in indirect impacts on stream habitat as discussed further below. Atlantic proposes to withdrawal water for dust control purposes from Calfpasture River (MPs 141.7 and 147.8) and

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<sup>47</sup> 2017 FEIS pp. 4-135 to 4-141.

<sup>48</sup> 2017 FEIS pp. 4-208 to 4-244.

Southfork Rockfish River (MP 195). EGTS proposes to withdrawal water from McElroy Creek, which could contain the federally endangered snuffbox mussel and is discussed further in section 4.8.

As described in the 2017 FEIS, several other aquatic wildlife species occupy aquatic habitats found in the ACP and SHP area, including aquatic salamanders such as the eastern hellbender (*Cryptobranchus alleganiensis alleganiensis*) and northern dusky salamander (*Desmognathus fuscus*), which can be found within the streams or in riparian habitat. Several species of crayfish are also found in ACP Restoration Project area. Crayfish are an important forage species for several game fish and provide subterranean refuges for terrestrial organisms through the creation of burrows.

Atlantic and EGTS would follow the FERC *Plan* and *Procedures* and other conservation plans (listed in section 1.5) to minimize impacts on aquatic species and habitat. Each state has different waterbody classifications regarding fisheries and aquatic resources. These classifications are described in detail in section 4.6.1 of the 2017 FEIS. Each state also has specific time of year restrictions for when in-water work should not be conducted in order to protect sensitive fish, mussels, and other aquatic species. These TOYRs are listed in a table in section 4.6 of the 2017 FEIS and shown as table 4.5-1 below. Atlantic and EGTS have agreed to follow these TOYRs, as applicable, for the Restoration Projects to minimize impacts on aquatic species.

<b>Table 4.5.-1 Construction Time of Year Restrictions for Fisheries Crossed by Atlantic Coast Pipeline and Supply Header Project</b>		
<b>State</b>	<b>Fishery Classification</b>	<b>TOYR</b>
Pennsylvania	High Quality - Coldwater Fisheries Trout Stocking Fisheries	October 1-December 31 March 1-June 15
West Virginia	Warmwater Fisheries Trout Fisheries (includes coldwater High Quality Streams) Perennial Coldwater Fisheries within MNF; additional sediment/erosion control measures applied for activities within 100 feet Warmwater Fisheries	April 1-June 30 September 15-March 31 October 1-June 1 April 1-June 30
Virginia	Wild Brown and Brook Trout Waters <sup>a/</sup> Rainbow Trout Waters <sup>a/</sup> Roanoke logperch Orangefin madtom (native population only) Roughhead shiner Freshwater mussels - long-term brooder (brook floater, green floater, yellow lampmussel) Freshwater mussels - short-term brooder (Atlantic pigtoe, James spinymussel, yellow lance) Dwarf wedgemussel Anadromous Fish Use Areas <sup>b/</sup>	October 1-March 31 March 15-May 15 March 15-June 30 March 15-May 31 March 15-June 30 April 15-June 15 (release of glochidia); August 15-September 30 (spawning) May 15-July 31 March 15-May 31; August 15-October 15 February 15-June 30 (variations for certain waterbodies)
North Carolina	Freshwater Mussels (no grubbing with 50 feet of surface waters with ESA sensitive species) Anadromous Fish Spawning Areas Primary Nursery Area Atlantic and shortnose sturgeon	November 15-April 1 February 15-June 30 February 15-September 30 February 1-June 30

Table 4.5.-1 Construction Time of Year Restrictions for Fisheries Crossed by Atlantic Coast Pipeline and Supply Header Project		
State	Fishery Classification	TOYR
a/	This TOYR applies to in-stream work within the designated water and within perennial and intermittent (when there is flow) tributaries within 1 river mile upstream of the designated water (A. Ewing, personal communication, April 12, 2017).	
b/	In Confirmed Anadromous Fish Use Areas, this TOYR applies to in-stream work within the designated water and within perennial and intermittent (when there is flow) tributaries within 1 river mile upstream of the designated water. In Potential Anadromous Fish Use Areas, this TOYR only applies to the designated water (not the tributaries) (e.g., Nansemond River, Western Branch Elizabeth River, and James River) (A. Ewing, personal communication, April 12, 2017).	

### 4.5.1 Fisheries of Special Concern

As noted in the 2017 FEIS, resources from the FWS, National Marine Fisheries Service, FS, Pennsylvania Fish and Boat Commission, WVDNR, Virginia Department of Game and Inland Fisheries, and North Carolina Wildlife Resources Commission were used to identify waterbodies that contain federal or state-listed endangered, threatened, or proposed species, as well as regional forester’s sensitive species (RFSS, see section 4.8.3); and waterbodies that are included in special state fishery management regulations. Fisheries of special concern that could be affected by the ACP and SHP Restoration Projects are described below in each state. Threatened and endangered species are discussed in section 4.8, RFSS species are discussed in section 4.8.3, and state-listed and sensitive species are discussed in section 4.8.2.

#### 4.5.1.1 Pennsylvania

Based on consultations with the PAFBC, the 2017 FEIS indicated that no sensitive waterbodies would be crossed by the SHP Construction Project in Pennsylvania. However, the three-ridge mussel (*Amblema plicata*), a Pennsylvania special concern species, has the potential to occur near the Crayne Compressor Station. Restoration activities at the Crayne Compressor Station would be limited to inside and around the immediate building area. To minimize potential indirect impacts on mussel species, EGTS would restrict all chemical storage, including fuel storage for equipment refueling, to at least 100 feet from waterbodies, and would implement the sediment and erosion control measures described in EGTS’ construction and restoration plans (see section 1.5).

#### 4.5.1.2 West Virginia

In West Virginia, ACP restoration activities would temporarily impact 12 streams that are classified as coldwater fisheries or have a trout stream designation (brook trout and rainbow trout). Table 24-1 in Atlantic’s May 17, 2021 response to FERC’s May 7, 2021 Environmental Information Request provides a description of the proposed restoration activities anticipated at each waterbody, as well as a summary of the mitigation measures that Atlantic would implement to minimize impacts.<sup>49</sup> Restoration work at these streams would be temporary and includes installation and/or removal of mats and/or bridges, replacement of culverts, and improvements to

<sup>49</sup> FERC eLibrary Accession No. 20210517-5093.

existing access roads such as topdress with gravel or existing road surface. To minimize impacts, Atlantic would conduct restoration activities in accordance with the FERC *Plan and Procedures*, detailed project-specific erosion and sediment control measures, as well as the conditions of federal, state and local permits. Atlantic would also adhere to the TOYR for coldwater fisheries (no in-water work from September 15-March 31).

There are no known fisheries of special concern that would be affected by the SHP Restoration Project in West Virginia.

#### **4.5.1.3 Virginia**

As noted in the 2017 FEIS,<sup>50</sup> Anadromous Fish Use Areas in Virginia were identified at the ACP Construction Project crossings of the James River, Nottoway River, Blackwater River, Western Branch Nansemond River, Nansemond River, South Branch Elizabeth River, Meherrin River, and Fountains Creek. None of these Anadromous Fish Use Areas are crossed by the Restoration Project. Atlantic reviewed the Virginia Department of Wildlife Resources' Anadromous Fish Use Data in May 2021 to confirm that no Anadromous Fish Use Areas are crossed by the ACP Restoration Project.

The 2017 FEIS discussed several SCUs that are designated in Virginia.<sup>51</sup> SCUs represent key areas of the landscape worthy of protection and stewardship action because of the natural heritage resources and habitat they support. We received comments regarding the ACP Restoration Project's impacts on the Matthews Creek Stream Conservation Unit. Atlantic confirmed that the ACP Restoration Project would affect two waterbodies within the Matthews Creek SCU, an unnamed tributary to Matthews Creek (sbuc004) and North River (sbuc005). The existing ACP right-of-way crosses these streams at locations approximately 3,000 feet upstream and 450 feet downstream of Matthews Creek, respectively.

Atlantic proposes to conduct tree felling and removal within the Matthews Creek SCU within the limits of the approved workspace where it crosses the unnamed tributary to Matthews Creek and North River. As discussed in section 2.1, Atlantic proposes to limit tree felling and removal to the minimum width corridor necessary to move equipment between larger contiguous work segment areas. No in-stream work is proposed in waterbodies within the Matthews Creek SCU. The use of heavy equipment to clear and remove trees and brush has the potential to loosen sediment, which could wash into the nearby streams and result in increased turbidity and sedimentation and degradation of water quality in the Matthews Creek SCU. Atlantic would install temporary erosion controls as required per Atlantic's *ESC Plan* to minimize these impacts. Given the lack of in-stream work, adherence to applicable TOYRs, short duration of restoration activities and implementation of the project *ESC Plan*, impacts to the Matthews Creek SCU are expected to be minor and temporary.

In section 3.1.3.2 we have recommended that Atlantic leave all felled trees in place, which would eliminate the need to clear and remove trees at these locations and all associated impacts just described. Atlantic confirmed with the Virginia Department of Conservation and

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<sup>50</sup> 2017 FEIS p. 4-217.

<sup>51</sup> 2017 FEIS p. 4-218.

Recreation that the Matthews Creek SCU is the only SCU crossed by the ACP Restoration Project in Virginia. West Virginia and North Carolina do not designate SCUs in their states.

The 2017 FEIS noted that the ACP Construction Project may affect waterbodies inhabited by Atlantic sturgeon and shortnose sturgeon.<sup>52</sup> Atlantic confirmed that no waterbodies containing habitat for Atlantic sturgeon or shortnose sturgeon would be affected by the ACP Restoration Project.

#### **4.5.1.4 North Carolina**

As noted in the 2017 FEIS, the Roanoke River, Fishing Creek, Swift Creek, Little River, and Cape Fear River were identified as supporting Anadromous Fish Spawning Areas.<sup>53</sup> Atlantic confirmed that none of these Anadromous Fish Spawning Areas would be crossed and no other Anadromous Fish Spawning Areas would be affected by the ACP Restoration Project.

### **4.5.2 Freshwater Mussels**

There are many species of freshwater mussels found in the ACP and SHP project areas. Freshwater mussels present in the ACP and SHP Construction Project areas and potential impacts were described in the 2017 FEIS.<sup>54</sup> We received comments regarding the Restoration Projects' impacts on freshwater mussels as well as mitigation for impacts that have occurred on mussel species as a result of construction of the ACP and SHP. We also received comments regarding impacts on the federally listed clubshell mussel that occurred during construction in Hackers Creek. We address these comments below and (specific to the clubshell) in section 4.8.

#### **4.5.2.1 ACP Restoration**

Impacts on aquatic resources, including mussel species, were avoided and/or minimized by the use of mitigation measures during construction activities, in accordance with the FERC Certificate. This includes the mitigation measures included in the October 17, 2017 BO and the September 11, 2018 revised BO issued by the FWS.<sup>55</sup> A summary of these measures is provided in appendix H of the *Atlantic Coast Pipeline Disposition and Restoration Plan*. Atlantic conducted construction activities in accordance with the FERC *Plan and Procedures*, detailed project-specific erosion and sediment control measures, as well as the conditions of federal, state, and local permits. During ACP construction, Atlantic implemented the following protocols to minimize impacts on freshwater mussels: *Freshwater Mussel Relocation Protocol for ACP in North Carolina*, *North Carolina Revised Fish and Other Aquatic Taxa Collection and Relocation Protocol for Instream Activities*, *FWS and VDIGF Freshwater Mussel Survey Guide for Virginia and West Virginia Mussel Survey Protocols*.

Construction activities began within the Hackers Creek watershed between MP 14.7 and 12.1 on November 7, 2018. As required by the FWS, prior to the start of work Atlantic

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<sup>52</sup> 2017 FEIS pp. 4-219 and 4-222.

<sup>53</sup> 2017 FEIS p. 4-221.

<sup>54</sup> 2017 FEIS pp. 4-216, 4-220, and 4-224.

<sup>55</sup> FERC eLibrary Accession Nos. 20171103-3008 and 20180917-3001.

completed multiple salvage efforts to remove and relocate the federally listed clubshell mussel from the workspace and surrounding areas. Subsequent mussel spot check surveys were reported to FERC on November 29, 2018.<sup>56</sup> Multi-parameter water sondes were also installed at four locations in Hackers Creek in February 2018 to monitor turbidity in the stream before, during, and after construction as required by the 2018 BO. Turbidity readings were collected every minute at each location, and the collected data were provided to the FWS on a monthly basis until the project was cancelled in July 2020.

Impacts on mussels associated with prior construction were avoided and/or minimized and mitigated to the greatest extent practicable. These efforts included mitigation for any anticipated potential future impacts (including restoration). Specific mitigation and conservation measures that Atlantic completed to mitigate for impacts include the measures listed below.

- Broad support for clubshell conservation efforts, including providing funds to the FWS' White Sulphur Springs National Fish Hatchery for its clubshell propagation efforts.
- Provided funding to WVDNR and other FWS-approved facilities in support of various clubshell conservation projects, including activities focused on captive husbandry techniques suitable for propagation and augmentation of clubshell populations within the Monongahela River system.
- In support of the FWS' assessment of ongoing risks and impacts on clubshell from a range of activities, Atlantic monitored sedimentation impacts on Hackers Creek for more than 2 years and provided turbidity data to the FWS for locations upstream and downstream of the clubshell salvage area and upstream and downstream of the confluence of a tributary to Hackers Creek in proximity of the ACP Construction Project.
- Provided funding to the North Carolina Wildlife Resources Commission to supplement propagation and augmentation of the yellow lance in the Tar River, Nash County, North Carolina. This funding supported a 5-year augmentation project with the goal of increasing the density of the yellow lance in suitable habitats of currently occupied areas of the Tar and Neuse River basins.

In planning the ACP Restoration Project, Atlantic tried to minimize impacts to sensitive resources, including aquatic species. As a result, restoration activities in waterbodies, where required, are limited to installation and removal of timber mats, temporary bridges, and/or culverts. Therefore, Atlantic does not plan to conduct any additional mussel surveys or relocations as part of the disposition and restoration activities for ACP.

#### **4.5.2.2 SHP Restoration**

EGTS mitigated impacts on mussels during the SHP construction activities, including mussel relocations where in-water work occurred and measures to minimize impacts from upland construction, including preventing sediment from leaving the construction workspaces.

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<sup>56</sup> FERC eLibrary Accession No. 20181130-5186.

McElroy Creek is the only waterbody affected by SHP construction where mussel surveys and relocations were previously required. In preparation for construction, EGTS conducted mussel surveys and relocations within McElroy Creek in accordance with approved protocols and plans. However, pipe was not installed at the McElroy Creek crossing. There are no in-stream restoration activities proposed in McElroy Creek, except for the placement of an intake hose for water withdrawal for hydroseeding and dust control (see section 4.8 for further discussion). EGTS does not plan to conduct any additional mussel surveys or relocations as part of the restoration activities for SHP.

#### **4.5.2.3 Impacts and Mitigation for Freshwater Mussels**

Impacts associated with the Restoration Projects would be much smaller in scope than the impacts associated with the Construction Projects that were described in the 2017 FEIS Restoration activities, including any temporary bridge, mat, and/or culvert removal, would be temporary and short-lived. In general, both Atlantic and EGTS have agreed to implement conservation measures as described above in section 1.5 and in the 2017 FEIS to protect aquatic resources. Given these factors, we conclude that impacts on mussel species are expected to be minimal during implementation of the Restoration Projects.

#### **4.5.3 Impacts and Mitigation on Aquatic Species**

The Restoration Projects could have impacts on aquatic species through direct in-stream work and potential sediment impacts from upland restoration work. Upland restoration activities, specifically ground-disturbing activities, could result in sediment-laden stormwater entering nearby waterbodies and causing increased total suspended solids (TSS), turbidity, and sedimentation in the waterbody which would affect water quality and habitat for aquatic species. Impacts on aquatic species from sedimentation and turbidity were described in the 2017 FEIS. Accidental spills of construction-related fluids (e.g., oil, gasoline, or other contaminants) into waterbodies could also result in water quality impacts that affect fish and other aquatic organisms in adjacent streams. Additionally, as discussed in the 2017 FEIS, in areas where trees would be felled near waterbodies, the removal of riparian vegetation could alter in-stream habitat for aquatic species by increasing the amount of sunlight, reducing levels of dissolved oxygen, and decreasing valuable structures (such as woody debris) that riparian vegetation provides.<sup>57</sup>

Where water withdrawals from streams are proposed for construction water needs, aquatic species could be affected by changes in water levels and direct impacts from the intake hoses. Atlantic and EGTS would follow the FERC *Plan and Procedures* to minimize impacts from water withdrawals, which includes screening the intake hoses to minimize entrainment of aquatic species and maintaining adequate flow rates to protect aquatic life. Atlantic would limit withdrawal rates to 10 percent of the instantaneous flow rate and no more than 10,000 gallons per day. More details on SHP's mitigation measures to minimize impacts from water withdrawals are discussed in section 4.8.1.13.

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<sup>57</sup> 2017 FEIS p. 4-432.

## Potential Slip Impacts on Aquatic Species

Consideration for minimizing disturbance on steep slopes was accounted for in the development of the *ACP Disposition and Restoration Plan*. Where construction activity on steep, slip-prone slopes was limited to the hand felling of trees, Atlantic proposes to leave felled trees in place in lieu of removing felled trees by mechanical means, which increases the potential for slips.

Table 4.5.3-1 identifies sensitive streams located in areas of the right-of-way where full restoration is required and an increased potential for slips is present due to the severity of slopes coming in and/or going away from the noted stream. In the event of a slip in these areas, sloughed material may be deposited into the stream(s). If a slip should occur near these waterbodies, Atlantic would coordinate with the WVDNR and/or FWS and remove debris from the stream as necessary. Atlantic would consult with appropriate subject matter experts, (e.g., geotechnical engineers or geologists) to develop site-specific designs to remedy or reduce the potential for future slips.

<b>Table 4.5.3-1 Sensitive Waterbodies in Proximity to Slopes with Increased Risk of Slip</b>						
<b>State</b>	<b>Spread</b>	<b>MP</b>	<b>Waterbody ID</b>	<b>Waterbody Name</b>	<b>Waterbody Designation</b>	<b>Sensitive Species</b>
WV	1-1	14.91	sleb109 <sup>a/</sup>	Unnamed Tributary to Hackers Creek	Warmwater Fishery	Tributary to Hackers Creek that has assumed presence of clubshell mussel.
WV	2A	66.30	srae111	Valley Fork	Coldwater Fishery	Potential for brook trout.
WV	2A	72.31	srac112	Mingo Run	Coldwater Fishery	Potential for brook trout.
WV	2A	75.08	spoe017	Dry Fork	Coldwater Fishery	Potential for brook trout.
WV	3A	92.94	spoe014	Powder Lick Run	Coldwater Fishery	Potential for brook trout; tributary to Thomas creek that has assumed presence of candy darter.
WV	3A	93.59	spoe010	Unnamed Tributary to Thomas Creek	Coldwater Fishery	Potential for brook trout; tributary to Thomas creek that has assumed presence of candy darter.

<sup>a/</sup> Atlantic has been monitoring a slip near sleb109 and is developing a plan to permanently repair this slip. To date, no material from the slip has entered the waterbody.

For the SHP Restoration Project, EGTS confirmed that there are no known areas where a potential slip could result in impacts on a sensitive waterbody.

To minimize impacts on aquatic species, Atlantic and EGTS would implement the mitigation measures outlined in the plans described in section 1.5 and additional species-specific conservation measures identified in section 4.8. Atlantic would install erosion control measures at the edges of the workspace and access roads within 300 feet of sensitive waterbodies containing federally listed species, access roads with high erosion potential, and where there are



slope instability concerns. Atlantic would also implement state-specific erosion and sediment control measures and develop and implement project-specific SWPPPs.

Given the limited scope and short duration of proposed restoration activities and Atlantic and EGTS's proposed impact minimization and mitigation measures, we conclude that impacts on aquatic species would be minor.

## **4.6 VEGETATION**

### **4.6.1 Vegetation Resources**

The ACP and SHP Restoration Projects would occur in the same general vegetation community types that were described in section 4.4 of the 2017 FEIS.<sup>58</sup> As described above, Restoration Project workspaces include areas where trees have been felled and are proposed to be removed, aboveground facility sites and access roads that are proposed to be stabilized and/or restored, and a smaller number of areas where pipe was installed and final restoration of the right-of-way is proposed. For the most part, vegetation present in the proposed workspace would be limited to areas that were previously cleared and trees were removed (disturbed/non-native grassland or restored right-of-way), areas where trees were felled but not removed (downed tree habitat), existing stands of forests that would be removed to facilitate access to conduct restoration activities (forested), or restored right-of-way. Disturbed/non-native grassland is the most common vegetation community of restoration workspaces. Given the purpose of the Restoration Projects is to restore workspaces used for the ACP and SHP Construction Projects, vegetation communities were identified as disturbed/non-native grassland, restored right-of-way, downed tree habitat, and forested for the function of this analysis.

Disturbed/non-native grassland include wetland and upland areas that were cleared a few years ago and are in various stages of incomplete restoration - not graded, rough graded, or partially graded. These areas would be restored per the FERC *Plan*, by grading, seeding, and mulching during the Restoration Projects. Inspection reports and FERC construction compliance monitors have documented that ACP spreads in West Virginia, Virginia, and North Carolina contain a considerable amount of non-native species, such as mountain olive and hogweed, where trees were felled. Topsoil piles within fencelines at existing compressor stations (JB Tonkin, in particular) are also covered with non-native weeds (bull thistle). The SHP Restoration Project workspaces contain very few non-native species.

Restored rights-of-way have been final graded, seeded (per agency and/or landowner preference), and mulched, and growing vegetation from seed or natural recruitment is evident. This vegetation community contains stabilized soil and is the dominant vegetation community on the SHP right-of-way. On SHP, seed mixes for mountain areas in the region typically includes a mix of clover, orchardgrass, timothy, fescue, and rye. These areas are growing successfully and can be described as abundant dense perennial vegetation cover.

Approximately 108.4 miles (1,642.4 acres, assuming a 125-foot-wide nominal right-of-way) of the ACP right-of-way contains downed tree habitat where trees were felled and remain in place. Trees were felled between 2017 and 2018, and have deteriorated in that time frame,

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<sup>58</sup> 2017 FEIS pp. 4-141 to 4-152.

including on NFS lands. Where felled trees are still on the ground, trees are beginning to grow back (FS, 2020). The *FS Site Assessment* states that at Plot ACP 4, there is a significant amount of white pine regeneration occurring already. Felling and harvesting occurred at sites on the GWNF, and the area is in its third growing season since the felling occurred. The regeneration now averages 2-3 feet tall, with some areas having stems 4-5 feet tall. Four plots were assessed on the MNF for fuels, vegetation species, and density. All four had dense shrubs and herbaceous vegetation with three sites having 100 percent ground cover. All plots were densely populated with native tree seedlings and saplings (FS, 2020).

Forested areas of the restoration workspaces where trees would be newly felled to facilitate movement of equipment between larger contiguous work segment areas are included in table F-1 of appendix F. Table F-1 describes the locations, acreage, linear feet of the right-of-way, reasons why Atlantic feels the additional trees need to be felled and cleared from the right-of-way, and dominant vegetation. These areas include an additional 63 acres of forest proposed for removal within the ACP restoration workspace in West Virginia, Virginia, and North Carolina to facilitate access to restoration workspaces. Atlantic indicates that it is looking at alternatives to access work areas that would not require additional tree felling and thus reduce the amount of trees that would be impacted.

In the ACP restoration workspaces on the GWNF, native species are present and average density is 4,700 stems per acres with a great deal of variation across sites. Approximately 1,400 stems per acre are of desirable species, though one plot only had 100 stems per acres of desirable species. During July 2020 surveys, the following non-native invasive species were found — autumn olive, mullein, Queen Anne’s lace, and thistle. On the MNF, plot 1 had about 7,000 oak seedlings and 7,000 red maple seedlings per acre; plot 2 had 5,000 red oak seedlings/saplings per acre; plot 3 had 1,925 seedlings per acre of black cherry, serviceberry, ash, and cucumber magnolia; and plot 4 had 13,000 trees per acre of blueberry, blackberries, ferns, and sedge.

We received comments that Atlantic should treat non-native and invasive species on lands administered by FS. The FS stated in its *FS Site Assessment* that it is not recommending any action be performed by Atlantic on NFS lands regarding invasive species. The FS observed limited non-native invasive species and states that “any proposed treatments would have potential to cause more harm to the recovery of native vegetation. Given the level of advanced regeneration is likely, [non-native invasive species] would be outcompeted by native vegetation and not persist within the reestablished timber stands.” As previously noted, the FS has authority to manage NFS lands per its regulations, land management plans, and guidance. The FS was a cooperating agency in the production of the 2017 FEIS and is cooperating in the development of this sEIS. We will defer to the wishes of the FS for how it manages invasive species on NFS lands. The FS is bound by Executive Order 13751 - *Safeguarding the Nation from the Impacts of Invasive Species* (2016), which prevents the introduction, establishment, and spread of invasive species; and Executive Order 13112 - *Invasive Species* (1999), which prevents the introduction of invasive species and provides for their control.

We received comments stating that Atlantic should control non-native, invasive species in the restoration workspaces. Non-native species such as mountain olive, dog fennel, goldenrod, Johnson grass, quack grass, pokeweed, autumn olive, and Russian olive are present in ACP restoration workspaces in particular. Dense vegetation, mostly invasive and non-native species like mountain olive, occurs between felled trees. On Spread 10 in North Carolina,

upland forested areas that are cleared but not graded support an abundant mix of weed and native vegetative cover. Some wetland areas adjacent to flowing streams are covered with noxious weeds, although typically wetland areas have a dense cover of vegetation that consists of native species and weeds. On ACP Spread 8 (also in North Carolina), both annual grasses and broadleaf weeds dominate restoration workspaces in agricultural areas. The topsoil storage piles are generally covered with dense weeds, including pokeweed and dog fennel among other species. Seeded areas have only a light weed infestation.

Atlantic and EGTS would implement their *Non-Native Invasive Plant Species Management Plan (Rev. 5)* to minimize the impact of non-native invasive species during Restoration Project activities. During restoration, in the event that invasive plant species become established in the right-of-way, Atlantic and EGTS would implement measures (e.g., mowing or treatment with herbicides) to control invasive plants within the right-of-way and prevent the spread of invasive plants to adjacent lands which do not contain invasive species. Herbicide applications would be conducted prior to seed maturation where possible and where necessary. Applications would be controlled to minimize impacts on surrounding vegetation. Herbicide treatment methods would be based on species-specific and area-specific conditions as described above and would be coordinated with State/Commonwealth and Federal agencies as applicable. Hand application methods (e.g., backpack spraying) would be used to treat occurrences of invasive species within the right-of-way and in other work areas.

Following the treatment, a seeding program would be implemented in accordance with each companies' *Restoration and Rehabilitation Plan* (see table 1.5-1). The timing of subsequent revegetation efforts would be based on the persistence of the herbicide. Invasive plant infestations would be monitored as part of Atlantic's and EGTS's restoration monitoring activities as described in the Restoration and Rehabilitation Plan. Atlantic/EGTS would inspect disturbed areas after the first and second growing seasons, at a minimum, to determine the success of revegetation. Revegetation shall be considered successful if upon visual survey the density and cover of non-nuisance vegetation are similar to adjacent undisturbed lands. Atlantic and EGTS would continue revegetation efforts and monitoring until successful revegetation is achieved.

The restoration workspaces would be monitored for a minimum of three years in accordance with the FERC *Plan and Procedures*. If natural revegetation is not occurring after the first growing season, additional measures (e.g., seeding) would be implemented to ensure successful revegetation.

We received comments from landowners stating that they wanted to be able to communicate specific restoration preferences, including specific replanting requirements. Landowners stated preferences regarding stump removal, reseeding with clover, returning topsoil piles to level, and installing gates and fencing, for example. The FERC *Plan* (section V.D.1.b) requires that companies restore all turf, ornamental shrubs, and specialized landscaping in accordance with the landowner's request. Restoration work must be performed by personnel familiar with local horticultural and turf establishment practices. This sufficiently allows landowner perspective to be taken into consideration during restoration planning.

We also received comments stating that Atlantic should replant trees of the same species where they were removed in forested areas. The Virginia Department of Conservation and

Recreation (VDCR) commented that it supports the planting of native tree species in previously non-forested areas to provide benefits to adjacent ecological cores. A commenter states that Atlantic should request landowners provide direction on what and how their land should be replanted and should consult the relevant state's forestry service. Atlantic would replant in areas as mitigation for impacts on red-cockaded woodpecker suitable habitat in North Carolina (see section 4.8.1), and herbaceous vegetation would be replanted where impacts on cultural resources were anticipated resulting from long-term maintenance of a permanent right-of-way (see section 4.11.1.3). However, Atlantic states that because the right-of-way would not be maintained after it has been completely restored, replanting is not necessary. Per the FERC *Plan* at VII.A.4, "restoration would be considered successful if the right-of-way surface condition is similar to adjacent undisturbed lands, construction debris is removed (unless otherwise approved by the landowner or land managing agency per section V.A.6), revegetation is successful, and proper drainage has been restored." The FERC *Plan* (section VII.A.2) also requires that revegetation occur, in non-agricultural areas, until successful, which is defined as upon visual survey, the density and cover of non-nuisance vegetation are similar in density and cover to adjacent undisturbed lands. Revegetation efforts are required to continue until revegetation is successful. It is not our typical practice to recommend applicants replant trees where they were removed for restoration, but to restore final grade and promote proper drainage through reestablishing contours, replace previously segregated topsoil, and apply seed and mulch, if necessary, to the right-of-way workspaces.

Atlantic performed approximately 222.5 miles of tree felling and of this, approximately 108.4 miles of trees are still lying on the right-of-way where they were cut. As stated in section 2.1.1, Atlantic proposes to process (chip, stack, burn, or remove) about 83.2 miles of felled trees and leave about 25.2 miles of felled trees in-place.<sup>59</sup> Approximately 82.7 miles are cleared and graded and require restoration and stabilization. If we assume the regeneration occurring on NFS lands is similar to that on other impacted lands, replanting is likely not necessary on the 108.4 miles where trees are lying in the right-of-way. Additionally, planting trees amongst the felled trees and regrowth would be logistically difficult.

Approximately 114.1 miles of trees have been felled and cleared from the right-of-way (222.5 miles of trees felled – 108.4 miles of felled trees still on the right-of-way), including 31 miles where pipeline was installed. These areas where trees were felled and removed could potentially be replanted. Replanting would increase stabilization of the restoration workspace and slopes and reduce erosion potential. Planting native seedlings would reduce the number and volume of invasive species and increase the aesthetic value of the cleared area. Atlantic states that supplemental seedling planting may be feasible in areas where the restoration monitoring indicates natural regeneration of forests would likely be delayed or limited (e.g., in areas that show limited natural regeneration after trees have been felled and removed).

Replanting only in areas where natural regeneration occurs in a limited way would require less disturbance than supplementing planting over the full right-of-way where trees were felled and cleared. This approach would also primarily rely on natural species regeneration, which overall would provide more environmental benefit than planted trees in the reforested

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<sup>59</sup> As stated in Section 3.1.3.2, we are recommending that felled trees be left in place project-wide, which would further minimize impacts, as the currently proposed replanting would not apply to these areas.

areas given the disturbance that would be required in areas to be replanted. To prepare the areas for tree planting, all existing vegetation would need to be removed and subsequent management of surrounding vegetation (e.g., herbicide treatment) would be required to aid in the success of the tree saplings.

Commission staff review and approval is necessary to ensure landowner requests do not inadvertently result in adverse and unacceptable impacts on the environment, especially federal-listed threatened and endangered species.

With the implementation of our recommendation, the FERC *Plan*, Atlantic and EGTS' *Restoration and Rehabilitation Plans*, their *Non-Native Invasive Plant Species Management Plan*, and our recommendation above, we conclude that impacts on vegetation would not be significant and would be sufficiently minimized.

#### **4.6.2 Fire Regimes**

As stated in section 4.4.5 of the 2017 FEIS, a fire regime is the pattern of seasonality, frequency, and intensity of fire that prevails in an area.<sup>60</sup> Fire plays an important role in maintaining the composition, structure, and distribution of vegetation communities and associated wildlife habitat and ecology. Commenters are concerned that felled trees, and the invasive plant communities that inhabit disturbed areas like restoration workspaces, may increase the potential for fire in restoration workspaces.

Invasive and non-native species flourish in areas that have been recently disturbed, including after fires. The number of invasive species of plants that were identified in each state, prior to construction of the ACP Project, was 17 in West Virginia, 9 in Virginia, 16 in North Carolina, and 13 in Pennsylvania. Atlantic would monitor restored areas for three years for infestations of invasive species and would treat such infestations in consultation with landowners and applicable agencies, as described in the *Non-Native Invasive Plant Species Management Plan* (see table 1.5-1 and discussion in Section 4.5 above).

Approximately 9 miles of felled trees from the ACP Construction Project lie on the MNF and GWNF. The FS conducted a fire hazard assessment to determine whether the risk of fire would be measurably increased to an unacceptable level by leaving the felled trees in place. EGTS proposes to leave in place trees that were felled on one parcel in the SHP restoration workspace.

The FS determined that the wood lying flat on the ground, which absorbs moisture from the soil, is less available to consume (by fire) and is showing early signs of decay. However, the woody debris and top wood in each area that is suspended off the ground is dry and readily available to consume in the event of a wildfire. Slash from the tops of trees ranged from 3 to 6 feet tall and the estimated fuel available is between 12 and 20 tons per acre depending on the location. The FS concluded:

- the fire activity would be moderate due to fuel loading and activities to suppress a fire would last multiple days due to fuel concentrations and access; and

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<sup>60</sup> 2017 FEIS pp. 4-159 to 4-160.

- wildfire risk would be highest in spring (before leaf on) and fall (after leaf off).

However, once leaves have been established on vegetation, wildfire concerns would be significantly diminished due to shade created by the leaves. Over time, vegetation growth would shade potential fuel and reduce the fire risk. The FS did not recommend any fuels treatments but did recommend identifying areas with downed trees “as a special condition under the local fuel characteristics description when briefing incoming fire resources” (FS, 2020).

Atlantic and EGTS’ *Fire Plan* identifies best management practices for preventing fires and responding to inadvertent fires that occur during Project construction and restoration activities. The *Fire Plan* identifies responsibilities and procedures for suppressing fire ignitions, responding to and reporting fire emergencies, and working with emergency response agencies in the event of fire, regardless of cause. The *Fire Plan* is designed to be consistent with applicable federal and state/commonwealth laws, regulations, plans, and policies, including Chapter 14 of the 2003 International Fire Code and Section A104 of the International Wildland-Urban Interface Code. Measures included in the *Fire Plan* that Atlantic would implement include but are not limited to the following:

- training of personnel on the fire reporting process, emergency contacts, basic fire prevention behavior controls, fire suppression equipment, and emergency response procedures;
- reporting all uncontrolled fires within or in the vicinity of the construction area, regardless of source, to the Spread Superintendent, emergency responders, and nearest fire dispatch;
- conducting weekly inspection of tools, equipment, personal protective equipment, and first aid kits;
- developing and maintaining a register of emergency equipment;
- posting “No Smoking” and “Designated Smoking Area” signs and fire rules at appropriate locations within the restoration areas;
- inspecting fire extinguishers on a monthly basis;
- ensuring that each spread has a fire extinguisher, shovels, first aid kits, and a water truck (if conditions require);
- providing site-specific burn and smoke management plans for pre-planned controlled fires that would be implemented in accordance with federal, state/commonwealth, and local requirements; and
- providing written burning and blasting schedules, as required, to the appropriate federal, state/commonwealth, and local fire control jurisdiction.

Fire danger ratings based on standard vegetation fuel models would be used by land management agencies or local fire authorities to determine required fire prevention, control, and monitoring efforts. Power saws would be provided with approved spark arresters/mufflers and

maintained in good operating condition. No warming or cooking fires would be permitted in restoration workspaces.

Given the level of risk and minimization measures that would be implemented, the risk of fire would be minimized during restoration activity. Although the risk of fire where downed trees occur is higher than adjacent areas, Atlantic and EGTS would implement their *Fire Plan* and *Invasive Plant Species Management Plan* for three years after restoration is complete. Therefore, we conclude that the impact of fire danger would not be significant and would be sufficiently minimized.

## **4.7 WILDLIFE**

### **4.7.1 General Wildlife Resources and Habitat**

As discussed in section 4.5 of the 2017 FEIS, the ACP and SHP Project areas provide suitable habitat for a variety of common wildlife species including large and small mammals, reptiles and amphibians, birds (raptors, waterfowl, and songbirds), and invertebrates.<sup>61</sup> Table 4.5.1-1 in the 2017 FEIS provides a list of common wildlife species that have been documented or have the potential to occur in the ACP and SHP project areas. The various vegetation communities crossed by ACP and SHP and that serve as wildlife habitat are described in section 4.6.1 of the 2017 FEIS, and TOYRs for various listed species and migratory birds are included in table 4.6.1-1.

The Restoration Projects would impact wildlife species by altering habitat, including reducing the amount of available cover, nesting, and foraging habitat. The felling of trees and removal of felled trees, and other activity associated with the Restoration Projects, could also impact wildlife via noise disruptions, physical impacts from collisions with equipment, and contribute to fitness impacts as a result of injuries or stress from disturbance. Some species would recover quickly while others would recover more slowly. Most mobile species of wildlife displaced by restoration activities would relocate to similar adjacent habitat; however, some may not be able due to lack of adequate territorial space, or inter- and intra-specific competition, which could result in lower reproductive or survival success. Some impacts of restoration would benefit wildlife such as soil stabilization, added habitat from additional trees planted (as recommended in section 4.6.1), and use of seed mixes that would provide food and habitat for wildlife.

As discussed in the 2017 FEIS, short- or long-term impacts on wildlife and habitats could result if invasive species continue to proliferate. We received landowner comments stating Atlantic should restore wildlife habitat and remove invasive, non-native species from their land. As discussed in vegetation (section 4.6.1), a large portion of the ACP restoration workspaces contain invasive, non-native species.

Commenters have stated concerns about seed mixes and pollinator habitat with regard to impacts on the rusty-patch bumble bee (RPBB). Commenters state that Atlantic should spread pollinator-friendly seed in RPBB high potential zone (HPZ) and dispersal zones, which make up

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<sup>61</sup> 2017 FEIS pp. 4-170 to 4-208.

83 acres of the total 4,012.1 acres of the ACP restoration workspace. Impacts and minimization measures for this species are discussed in section 4.8.1.6, below.

Atlantic states that it obtained permission from a small number of landowners to plant a pollinator seed mix. Atlantic would use pollinator species for reseeded and restoration on a tract-specific basis based on its *Restoration and Rehabilitation Plan*, Rev 8 and landowner and local soil conservation authority recommendations. In response to a request by the FS, Atlantic would not reseed all construction (temporary and permanent) workspaces on lands administered by FS, which it had committed to in the 2017, 2018, and 2020 Biological Assessments (BA). Atlantic also does not intend to replant or reseed in all areas where felled trees would be removed, and no mowing would occur. Atlantic states that without the need to conduct long term maintenance, the vegetation on the right-of-way would revegetate naturally and, unless it is maintained by the landowner, would revert over time back to scrub-shrub or forested habitat that is unsuitable for most the flowering forbs in Atlantic's pollinator seed mix. As a result, the long-term survivability of the flowering forb species would be poor. Atlantic states that due to the lack of long-term vegetation maintenance on a non-operational right-of-way and the limited number of areas suitable for the pollinator habitat initiative, its implementation of the additional specialized planting procedures would have little benefit in terms of promoting pollinator species. Atlantic is evaluating its *Restoration and Rehabilitation Plan* to identify any potential changes including any appropriate changes to seed mixes.

As stated above in section 4.6.1, approximately 108.4 miles (1,642.4 acres) of the ACP right-of-way contains downed tree habitat where trees were felled and remain in place. According to Atlantic's proposal, approximately 25.2 miles of these trees would remain in place, and Atlantic proposes to remove the remaining 83.2 miles of previously felled trees<sup>62</sup>. Although the wildlife habitat removed during the ACP construction project would not be replaced in kind, fallen trees provide habitat for a variety of wildlife, insects, plant and fungi species. Fallen logs can be suitable habitat for a variety of salamander species, frogs, snakes, box turtles, birds, and mammals. Logs that have fallen in riparian areas, along the water's edge, could be used for basking sites for aquatic turtles and perching sites for waterfowl. When trees are clearcut and removed, it can take up to 40 years for important coarse woody debris to accumulate, making the area less accommodating to over 100 species of wildlife that rely on fallen trees. While clearcutting is not completely analogous to the ACP Restoration Project, which resulted only in the cutting along a narrow corridor, it provides insight about woody debris enhancing wildlife habitat.

The impacts from restoration activities would be short or long term but would generally be minor. Some impacts could benefit wildlife species. With the implementation of our recommendations in section 4.6.1 to plant seedlings/saplings in areas with limited successful natural regeneration, and in section 3.1.3.2 to leave all felled trees in place, we conclude that impacts on wildlife would be sufficiently minimized and would not be significant.

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<sup>62</sup> However, as stated in Section 3.1.3.2, we are recommending that felled trees be left in place project-wide.



## 4.7.2 Migratory Birds

As discussed in section 4.5.3 of the 2017 FEIS, 47 Birds of Conservation Concern may occur in the ACP and SHP Project areas.<sup>63</sup> Impacts on these species are expected on habitats that may be used by these birds for nesting, feeding, and wintering. If restoration occurred during the nesting season, activities could impact adults, and nests with eggs or chicks may be destroyed. In addition, even if nests are located outside the active clearing area, noise from construction activities may disturb and displace nesting adults, potentially leading to mortality of eggs and nestlings due to nest abandonment and interrupted or decreased feeding at the nest. Clearing trees outside of the nesting season would reduce direct impacts on migratory birds because adult and fledged juvenile birds would disperse to adjacent habitat. Additional potential impacts may include temporary or permanent loss of suitable breeding and migration route habitat, and increased habitat fragmentation with associated edge effects (see section 4.5.6 of the 2017 FEIS).<sup>64</sup> Restoration activities would temporarily increase noise levels, which may potentially lead to territory abandonment, decreased fitness, and decreased breeding activity.

As stated in the companies' *Migratory Bird Plan* (September 2017), Atlantic and EGTS conducted aerial surveys for bald eagle nests and golden eagle winter roosting locations in 2015 and 2016. Seven observations of golden eagles were made in Randolph County, West Virginia and Highland and Bath Counties, Virginia during surveys in 2016. It is possible that restoration activities could result in impacts on eagles. Potential impacts on nesting eagles could include direct impacts on individuals; noise generated during restoration activities, which could disturb nesting birds, if present; and removal of vegetation, which could cause individuals to relocate to other suitable habitat.

On March 10, 2017, Atlantic and EGTS submitted applications to the Region 5 Migratory Bird Permit Office for non-purposeful eagle take permits for potential disturbance of the bald eagle nest in the City of Chesapeake near MP 76.5 on AP-3, the bald eagle nest in Nottoway County, Virginia near project MP 244.1 on AP-1, and the bald eagle nest in Augusta County, Virginia near project MP 147.8 on AP-1. If additional bald eagle nests or occupied bald or golden eagle winter roosting habitat are identified ahead of or during restoration work, Atlantic and EGTS would follow the National Bald Eagle Management Guidelines for work within 660 feet of bald eagle nests.

Atlantic and EGTS would comply with their *Migratory Bird Plan*. Cutting of standing timber and limbing of overhanging trees along access roads would take place within the TOYR for the applicable species in accordance with table 4.7.2-1. Mechanized clearing of felled timber and understory would not be conducted within these TOYRs, however. Given the companies would not clear trees during nesting season, impacts on migratory birds would not be significant and would be sufficiently minimized. As stated in Section 3.1.3.2, we are recommending that felled trees be left, which would further minimize disturbance of the right-of-way.

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<sup>63</sup> 2017 FEIS pp. 4-178 to 4-184.

<sup>64</sup> 2017 FEIS pp. 4-187 to 4-202.

Table 4.7.2-1 Seasonal Restrictions on Tree Felling			
Species	Restriction	Location	Restriction Dates
Indiana bat	No tree felling	Within 5 miles of hibernacula in West Virginia and Virginia	April 1–November 15
		Outside of 5 miles from hibernacula (within the area of influence in Virginia, which includes the counties crossed by the Appalachian Mountain recovery unit)	April 15–September 15
Northern long-eared bat	No tree felling	Within 150 feet of occupied roost trees	June 1–July 31
	No tree felling	Within 0.25 mile of known hibernacula	Year Round
RPBB	No tree felling, mowing, shrub removal*	Within the RPBB High Potential Zone (HPZ)	March 15–October 15
Migratory bird	No tree felling, mowing, shrub removal	State-wide throughout Virginia	March 15–August 31
	No tree felling, mowing, shrub removal	State-wide throughout Pennsylvania, West Virginia, and North Carolina	April 1–August 31

## 4.8 SPECIAL STATUS SPECIES

### 4.8.1 Endangered Species Act-Protected Species

For the ACP Construction Project, Atlantic had initiated informal ESA section 7 consultation with the FWS through technical assistance request letters in 2015 and was subsequently involved in agency coordination, including meetings for that project, site visits, and agency correspondence. FERC staff also engaged in formal section 7 consultation, which resulted in a BO and ITS issued by the FWS on October 17, 2017, and revised and reissued on September 11, 2018, by the FWS. As noted in section 1.0, the U.S. Court of Appeals for the Fourth Circuit implemented a stay of the 2018 BO and ITS; subsequently in July 2020, the ACP Construction Project was cancelled by the project sponsor.

In light of the ACP cancellation and change in scope of work from construction to restoration, Atlantic prepared an applicant-prepared draft *Biological Assessment for the Atlantic Coast Pipeline Restoration Project* (Restoration BA) in response to FWS and FERC staff comments, to facilitate the FERC and FWS consultation process associated with the ACP Restoration Project.<sup>65 66 67</sup> This consultation will evaluate the potential effects of the restoration and close out activities on listed, proposed, and under review species and their designated or proposed critical habitat under the jurisdiction of the FWS. For the ACP Restoration Project, we have preliminarily determined that ESA-listed species may be adversely affected. We transmitted our reviewed and revised Restoration BA to the FWS to initiate formal section 7

<sup>65</sup> FERC eLibrary Accession No. 20210702-5070.

<sup>66</sup> FERC eLibrary Accession No. 20210924-5037.

<sup>67</sup> FERC eLibrary Accession No. 20211025-5046.

consultation.<sup>68</sup> On December 9, 2021, the FWS provided comments and concurrence with all of our species' *may affect but is not likely to adversely affect* determinations, as detailed in each species' description below.<sup>69</sup> The FWS did not agree with our *no effect* determination for the eastern black rail and recommended an analysis for the tricolored bat (*Perimyotis subflavus*) be conducted as part of the ACP Restoration Project due to the overlap between the schedule for publication for decision regarding proposed listing and the ACP Restoration Project schedule. The tricolored bat is currently under review for determination whether listing is warranted. The FWS also stated that, as part of formal section 7 consultation, they would provide a BO on or before March 21, 2022 for those species that the Project *may affect and would be likely to adversely affect*. Section 7 consultation for the ACP Restoration Project is ongoing.

EGTS, acting as our non-federal representative for the purpose of complying with section 7 of the ESA regarding the SHP Restoration Project, initiated informal consultation with the FWS Pennsylvania and West Virginia Ecological Services Field Offices on December 16, 2020.<sup>70</sup> Included in the consultation package was the SHP Restoration Project Biological Evaluation (BE), which described the potential impacts on federally listed species associated with the SHP Restoration Project.<sup>71</sup> The FWS West Virginia Field Office and Pennsylvania Field Office provided technical assistance on the BE on August 5, 2021, and concurred with our determinations on November 29, 2021; therefore, section 7 consultation for the SHP Restoration Project is complete.<sup>72</sup>

The impacts on all species below would be minimized with the implementation of the measures in the plans listed in table 1.5-1 of this EIS. Additionally, with the implementation of our recommendation in section 3.1.3.2 to leave all felled trees in place, impacts on the following species would be much less than described here.

### ACP Restoration Project

Based on surveys, proposed minimization measures, the FWS Information for Planning and Consultation system, and consultation with the FWS and other agencies, and as summarized in the Restoration BA, the ACP Restoration Project would have ***no effect*** on 12 species because no occupied or assumed occupied habitat occurs within the action area: wood stork (*Mycteria Americana*, threatened), eastern black rail (black rail; *Laterallus jamaicensis jamaicensis*, threatened), snuffbox (*Epioblasma triquetra*, endangered), American alligator (*Alligator mississippiensis*, fully recovered but protected due to similarity of appearance to the American crocodile), Madison cave isopod (*Antrolana lira*, threatened), Saint Francis' satyr butterfly (*Neonympha mitchellii francisci*, endangered), American chaffseed (*Schwalbea americana*, endangered), northeastern bulrush (*Scirpus ancistrochaetus*, endangered), Pondberry (*Lindera melissifolia*, endangered), rough-leaved loosestrife (*Lysimachia asperulaefolia*, endangered), shale barren rock cress (*Arabis serotina*, endangered), swamp pink (*Helonias bullata*,

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<sup>68</sup> FERC eLibrary Accession No. 20211105-3045.

<sup>69</sup> FERC eLibrary Accession No. 20211210-3028.

<sup>70</sup> FERC eLibrary Accession No. 20210713-5087.

<sup>71</sup> FERC eLibrary Accession No. 20210608-5139.

<sup>72</sup> FERC eLibrary Accession Nos. 20211209-5103 and 20211209-5104.

threatened), and James spiny mussel (*Pleuroblema collina*). For the American alligator, an observation of this species was made at MP 156 in the proposed ACP Restoration Project workspace, but no surveys were recommended by the FWS, and restoration activities would have no effect on the American crocodile that precipitated the American alligator's federal listing. Detailed species discussions are included in the Restoration BA. These species are not discussed further in this document. Our determinations of effect for the species that may be affected by the ACP and SHP Restoration Projects are summarized below, followed by more detailed species discussions.

The ACP Restoration Project **may affect but is not likely to adversely affect** 14 species: red-cockaded woodpecker (RCW) (*Dryobates borealis*, endangered), Virginia big-eared bat (VBEB) (*Corynorhinus townsendii virginianus*, endangered), gray bat (*Myotis grisescens*, endangered), Carolina madtom (*Noturus furiosus*, endangered), Neuse River waterdog (NRW) (*Necturus lewisi*, threatened), Roanoke logperch (*Percina rex*, endangered), clubshell (*Pleurobema clava*, endangered), yellow lance (*Elliptio lanceolate*, threatened), dwarf wedgemussel (*Alasmidonta heterodon*, endangered), Tar River spiny mussel (*Elliptio steinstansana*, endangered), Atlantic pigtoe (*Fusconaia masoni*), small whorled pogonia (SWP) (*Isotria medeoloides*, threatened), Michaux's sumac (*Rhus michauxii*, endangered), and Virginia spiraea (*Spiraea virginiana*, threatened).

ACP restoration activities **may affect and is likely to adversely affect** three species: Indiana bat (*Myotis sodalists*, endangered), RPBB (*Bombus affinis*, endangered), and candy darter (*Etheostoma osburni*, endangered). Running buffalo clover has been delisted since the issuance of the draft sEIS, and therefore has been removed from the federally listed species discussion.<sup>73</sup>

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ACP restoration activities **may affect** northern long-eared bat (NLEB) (*Myotis septentrionalis*, threatened).<sup>75</sup>

ACP restoration activities would have **no effect** on critical habitat for Indiana bat, VBEB, and yellow lance because it does not occur in the restoration workspaces. Critical habitat for these species is not discussed further in this document.

The ACP Restoration Project has the potential to affect designated critical habitat for the Carolina madtom, NRW, candy darter, and Atlantic pigtoe. The ACP Restoration Project **may affect but is not likely to adversely affect** critical habitat for the Carolina madtom, NRW, candy darter, and Atlantic pigtoe.

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<sup>73</sup> 86 Fed. Reg. 43102-43117.

<sup>74</sup> Although the running buffalo clover has been delisted, per its agreement with the FWS, Atlantic has committed to fulfilling its responsibilities related to this species as outlined in the 2017 FEIS, as required by Section 4(g)(1) of the ESA for monitoring the status of all species removed from the Federal List of Endangered and Threatened Wildlife and Plants. Atlantic would provide a standalone impact analysis, including an updated monitoring plan under separate cover, to the FWS.

<sup>75</sup> The project effects on this species have been addressed in the FWS' programmatic BO implementing the final 4(d) rule dated January 5, 2016. The determination was "may affect," but the programmatic BO did not specify which actions are "may affect, likely to adversely affect" or "may affect, not likely to adversely affect."

ACP restoration is ***not likely to cause a trend toward federal listing*** for two under review species: Chowanoke crayfish (*Faxonius virginianus*) and green floater (*Lasmigona subviridis*).

We received comments regarding whether take under Section 7 of the ESA occurred during the ACP construction project. Monitoring for take was conducted in accordance with the 2017 BO and ITS for the ACP Construction Project, as revised and reissued on September 11, 2018. Species covered by the ITS were clubshell, Indiana bat, NLEB, Madison Cave isopod, Roanoke logperch, and RPBB. Data related to take is reported once construction is complete, but based on compliance monitoring and survey/relocation reports for the ACP Construction Project from January 2018 (when tree clearing was approved) through July 2020 (when the project was cancelled), no take occurred for Indiana bat, NLEB, Madison Cave isopod, Roanoke logperch, and RPBB during construction. Three clubshell salvage efforts occurred between May and September 2018 resulting in 69 clubshell being relocated out of the ACP Construction Project work area, however. The FWS' clubshell 5-year review confirms that in 2018, 69 clubshells were salvaged from Hackers Creek. These salvaged mussels were transported to White Sulphur Springs National Fish Hatchery for long-term captive propagation and restoration activities. Most of the salvaged mussels died while in captivity due to poor condition and potential disease transmission (FWS, 2019). For federally listed species not covered by the BO/ITS, no take occurred.

### **SHP Restoration Project**

EGTS found that SHP Restoration Project would have ***no effect*** on six species due to lack of suitable habitat and/or negative survey results: clubshell (*Pleurobema clava*, endangered), fanshell (*Cyprogenia stegaria*, endangered), pink mucket (*Lampsilis abrupta*, endangered), sheepnose mussel (*Plethobasus cyphus*, endangered), running buffalo clover (*Trifolium stoloniferum*, formerly endangered but now delisted), and Virginia spiraea (*Spiraea virginiana*, threatened). We agree. Detailed species discussions are included in the BE. These species are not discussed further in this document.

EGTS also found the SHP Restoration Project ***may affect but is not likely to adversely affect*** three species: snuffbox (*Epioblasma triquetra*, endangered), NLEB (*Myotis septentrionalis*, threatened), and Indiana bat (*Myotis sodalis*, endangered). We agree with these determinations. EGTS' December 16, 2020 letters to the Pennsylvania and West Virginia Ecological Services Field Offices requested concurrence or comments on the effects determination for the SHP Restoration Project. On August 5, 2021, the West Virginia Field Office provided a technical assistance letter to EGTS. On November 29, 2021 FWS sent a letter to FERC stating it concurred with these determinations; therefore, section 7 ESA consultation is complete for this project.

The following species reviews feature highlights of the Restoration BA and BE discussions and updates to the 2017 FEIS. Given that consultation with the FWS is ongoing, effect determinations may change. We have included a recommendation in section 4.8.1.22 that Atlantic and EGTS cannot proceed with their proposed action until FERC completes section 7 consultation with the FWS.

#### **4.8.1.1 *Red-cockaded Woodpecker***

The RCW was listed as federally endangered in 1970. RCWs may be found in open mature pine and pine/hardwood woodlands and savannahs ranging from Florida to New Jersey, and as far west as Texas and Oklahoma. The species prefers landscapes where frequent, low-intensity fires burn within upland pine ecosystems. Suitable foraging habitat generally includes stands with mature pine trees at least 30 years old and 10 inches in diameter at breast height, an open canopy, low tree density, no overstory hardwoods, little to no mid-story, and abundant native bunchgrass and forb groundcover. Suitable nesting habitat includes pine/pine hardwood stands at least 60 years old (at least 14 inches diameter at breast height) that are within 0.5 mile of suitable foraging habitat. Longleaf pines are the preferred tree species; however, other species of southern pine are also used.

No occupied suitable habitat was identified in the ACP Restoration Project action area during field surveys; therefore, no direct impacts on nesting RCW are expected. However, restoration activities would take place in suitable unoccupied habitat. Restoration activities such as additional tree felling and removal of previously felled trees, clearing, and grading in Project workspace and along access roads could affect RCWs through minor temporary habitat loss and fragmentation, edge effects, and noise disturbance.

No cavity trees suitable for RCW were found in the action area; therefore, tree felling would likely not directly affect nesting or roosting habitat. Minor habitat loss could occur in North Carolina where tree felling is planned in the project right-of-way in counties where RCW has been historically documented to occur. About 6.33 acres of unoccupied forest habitat and 0.98 acre of future habitat, which includes young forest on tracts used for timber production in Robeson County, North Carolina may be removed to establish travel lanes up to 50 feet wide in the above-mentioned segments. This would result in a temporary conversion of forested land to scrub-shrub and/or non-woody herbaceous species; however, the forest habitat would reestablish over time.

Tree felling in Northampton and Cumberland Counties, North Carolina would temporarily result in small areas of new or increased forest fragmentation in suitable unoccupied habitat that could affect foraging or dispersing RCW, should they enter the project workspace. This tree felling would also result in long-term edge effects occurring at the interface between forested land and the felled areas in the project workspace. The creation of edges in forests influences microclimatic factors such as temperature, wind, humidity, and light. Compared to the interior of a forest, areas near edges receive more direct solar radiation during the day, lose more long-wave radiation at night, have lower humidity, and have less protection from wind. Given that RCW rely on open forests, edge effects would not be expected to have a large impact on potential foraging and dispersal habitat for the species.

Since no known RCW cavity trees are within 0.5 mile of the ACP Restoration Project workspace, and studies show that flushing generally does not occur until RCW are within about 0.25 mile of sudden loud noises, restoration activities would not affect RCW, even if suitable nesting or roosting habitat is present further than 0.5 mile away.

Atlantic commits to conducting tree felling and vegetation clearing for restoration outside of the TOYRs for the migratory bird nesting season in North Carolina (April 1 through August

31) and Virginia (March 15 through August 31) where RCW could occur. Adhering to the tree felling and vegetation clearing TOYRs in North Carolina and Virginia would provide additional protections for RCW during restoration activities. Additionally, in its *Restoration and Rehabilitation Plan*, Atlantic commits to replanting “long-leaf pine within the temporary construction right-of-way and ATWS along the ACP route where it would be cleared for construction to mitigate for impacts to RCW.” Specifically, Atlantic would plant long-leaf pine from MP 159.8 to 159.9 and MP 160.1 to 160.2 (approximately 0.3-acre total) to mitigate for felled trees in these areas.

No active RCW clusters or occupied habitats were identified within 0.5 mile of the ACP Restoration Project, making encounters with RCW unlikely during project activities. Similarly, noise associated with the restoration activities is not likely to affect RCW. No suitable cavity trees are known to be present within 0.5 mile of the project workspace, and any noise reaching areas further than 0.5 mile would have attenuated to a level that would not cause disturbance to RCW. Furthermore, loss and alteration of suitable unoccupied habitat would not substantially alter habitat for use by RCW. Restoration of Project workspaces would enable forest habitat to eventually reestablish in previously disturbed areas, which would benefit the species. Therefore, our determination is that the ACP Restoration Project ***may affect but is not likely to adversely affect*** the RCW in Virginia and North Carolina. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.2 Indiana Bat**

The Indiana bat was first listed as endangered under the Endangered Species Preservation Act of 1966 and is currently listed as endangered under the ESA. The Indiana bat is a temperate, migratory bat. During winter, Indiana bat habitats are restricted to underground hibernacula such as mines or caves in karst areas of the east-central United States. For hibernation, they require cool, humid caves/mines with stable temperatures, under 50 °F but above freezing. After emerging from hibernacula in the spring, bats migrate to forested habitats for the summers, where they roost in the cracks and crevices of dead and dying trees or under the bark of trees with thick slabs of peeling bark.

#### **ACP Restoration Project**

Indiana bats are known to occur in Randolph and Pocahontas Counties, West Virginia and Highland and Bath Counties, Virginia. Also, multiple Indiana bat hibernacula protection areas are crossed by the ACP Restoration Project in Pocahontas and Randolph Counties.

Multiple Indiana bat hibernacula protection areas are crossed by the project in Pocahontas and Randolph Counties. The FWS confirmed that there are known occurrences of Indiana bat in Randolph and Pocahontas Counties, West Virginia and Highland and Bath Counties, Virginia. However, no known summer habitat (i.e., buffers surrounding maternity roosts or summer mist net captures) areas would be crossed by the ACP Restoration Project. Known use spring staging/fall swarming Indiana bat habitat crossed by the project includes buffers surrounding nine hibernacula in West Virginia and Virginia. This includes two hibernacula identified within 5 miles of the action area in Bath County, and seven hibernacula within 5 miles of the action area in Pocahontas and Randolph Counties. In addition to the known use habitat, presence of Indiana bats is assumed at two potential hibernacula (Piddling Pit and Canis Majoris) that could not be

surveyed. These sites are assumed occupied during the winter and categorized as unknown use spring staging/fall swarming habitat. Presence of Indiana bats is also assumed during the summer at sites that were surveyed by the National Park Service along the Blue Ridge Parkway; these sites were surveyed acoustically but had no follow-up mist netting. These areas are categorized as unknown use summer habitat.

Atlantic performed habitat surveys (potential roost tree surveys and potential hibernacula surveys), and presence/likely absence surveys (acoustic surveys and/or mist net surveys) in preparation for the Construction Project. These surveys identified 53 primary potential roost trees and 184 secondary potential roost trees within occupied habitat along the ACP Restoration workspace. The ACP Construction Project surveys in 2015, 2016, and 2017 found 19 suitable hibernacula within 0.5 mile of the ACP Restoration Project workspace. When the sites were surveyed in the fall and/or spring, no Indiana bats were captured or detected. Karst feature surveys were conducted from 2014 to 2019 to identify for suitability for use as bat hibernacula. No features identified during karst surveys were determined to be suitable for use as hibernacula for any bat species. Suitable habitat along the ACP Restoration Project that does not fall within a known use or assumed use buffer is considered suitable unoccupied habitat.

Acoustic surveys were conducted in summers of 2015 through 2018. Mist net surveys were conducted in 2017 and 2018 at 128 sites for the ACP Construction Project, including 40 sites within the ACP Restoration workspace. No Indiana bats were captured during mist netting surveys and no active summer roost trees were identified.

Within occupied and assumed occupied habitats, restoration activities could result in adverse effects on the species through habitat loss and degradation, noise, and reduced foraging opportunities through fugitive dust, which could lead to reduced fitness and behavioral responses. Habitat loss or degradation may occur through loss of potential roost trees or loss of foraging habitat.

The ACP Restoration Project would result in the loss of potential suitable summer habitat for Indiana bats through the loss of potential roost trees, including potential unknown maternity roosts, potential unknown non-maternity roosts (such as those used by males and non-reproductive females, and potential unknown roosts used during spring or fall) and potential foraging habitat. However, the anticipated habitat loss due to tree clearing along the project would be relatively small. New tree felling would be limited, and this workspace would be allowed to revegetate following restoration activities. The temporary habitat loss along the right-of-way would include 0.13 acre of tree felling within assumed occupied spring staging/fall swarming habitat. No permanent habitat losses would occur within occupied habitat.

Atlantic has committed to seasonally restricted tree felling, which would avoid the direct disturbance of bats while they are present on the landscape. The Indiana bat tree felling TOYRs prohibit tree felling within 5 miles of an Indiana bat mist net capture or known Indiana bat hibernacula between April 1 and November 15 in West Virginia and Virginia. Additionally, within the area of influence in Virginia, tree felling TOYRs would apply between April 15 and September 15 in areas located more than 5 miles from a known Indiana bat hibernaculum. Based on these restrictions, loss of foraging habitat would not occur while the bats are present on the landscape.



The temporary habitat loss of 0.13 acre of forest could affect fall swarming and spring emergence activities, which are important for breeding and storing fat reserves before hibernation and for building up energy after hibernation.

Noise associated with restoration activities may affect Indiana bats in known use spring staging/fall swarming habitat. Key behaviors that might be impacted include roosting, foraging, or hibernating in the area. Foraging bats may increase travel time to avoid noise or relocate to foraging areas outside of the action area. These disturbances could result in additional energy expenditure as bats seek out new roosts or foraging pathways. Bats that leave roosts during daylight hours would be vulnerable to predation. Artificial lighting used during some nighttime restoration activities could temporarily impact bats. Dust could also coat adjacent vegetation and lead to a reduction in prey availability. Water and air quality could be temporarily reduced due to stormwater runoff, incidental spills, and/or fugitive dust from grading activities to recontour workspaces or improve roads.

As described in the 2017 FEIS, the most substantial measure to avoid impacts on Indiana bats would be the use of seasonal TOYRs (Table 4.7.2-1). Atlantic would also follow its SPCC Plan, and all spills would be reported to the appropriate FWS field office within 24 hours for guidance. During restoration activities (e.g., tree and/or brush removal and clearing), burning activities would not be conducted within 500 feet of occupied hibernacula during any time of the year.

Atlantic has developed the following conservation measures that would be implemented to reduce or avoid adverse effects to listed bat species.

- Improvements (grading and/or graveling) on access road (04-002-B025-AR3 adjacent to Falling Spring Cave during restoration activities would be completed during summer months (June 1 through August 31) when the cave is uninhabited, and bats are not staging or swarming; and
- Tree trimming and limbing on access road 04-002-B025.AR3 within 0.25 mile of Falling Spring Cave would be completed outside the fall bat swarming period (September 1 through November 15).

Karst features could be used by federally listed bats for hibernating or sheltering. As described in the *Karst Plan*, Atlantic would implement measures for avoiding or minimizing impacts on karst features identified during restoration activities (Atlantic and DETI, 2018). Additionally, no burning would occur within 2 miles of the three sites that had Indiana bats documented during the 2017 season (Breathing Cave, Clark's Cave, and Starr Chapel Cave).

The *ACP Myotid Conservation Plan* outlined offsite mitigation to address the removal of habitat occupied by Indiana bats and NLEB within the ACP Construction Project workspace in West Virginia. Atlantic secured an approximately 500-acre conservation site approximately 0.2 mile from the ACP Construction Project workspace to provide offsite mitigation, as well as opportunities for bat habitat enhancement and the long-term preservation of bat habitat. Site habitat enhancements within this conservation area included the creation of watering/foraging pools, installation of artificial roosts (bat boxes), creation of snags, and posting signage at select

onsite hibernacula. Habitat improvements and 1 year of monitoring has been completed at the conservation site, with 1 year of monitoring remaining.

While the conservation plan was developed according to the requirements and guidance provided by the FWS, this site may benefit bats in both West Virginia and Virginia as it is centrally located in the known-use hibernacula buffers. The development of this conservation site would also offset any potential impacts on Indiana and NLEB habitat associated with the ACP Restoration Project.

Negative surveys have confirmed the absence of Indiana bats within suitable unoccupied habitat. Additionally, it is unlikely that Indiana bats would move into unoccupied habitats, given the declines from white-nose syndrome, high roost fidelity, and slow reproductive rate of the species. No adverse effects, associated with alterations made to existing suitable unoccupied habitat, are expected.

Atlantic would adhere to TOYRs for the felling of trees in specified areas (table 4.6.1-1). Although Atlantic would not adhere to TOYRs specifically for bats related to the removal of logs and other woody debris, its adherence to the project-wide migratory bird restrictions would minimize the potential for impacts on bats associated with log and debris removal.

Adverse impacts within unknown use summer habitat, unknown use spring staging/fall swarming habitat, and known use spring staging/fall swarming habitat include habitat loss and potential disturbance from noise and lights. Potential effects due to fugitive dust are discountable and would not negatively impact the species. Additionally, measures would be taken to reduce fugitive dust, including stabilization activities and the use of water trucks. Atlantic would implement conservation measures to avoid or minimize impacts on Indiana bat, including seasonal tree felling and the implementation of the Karst Plan. However, not all impacts on occupied habitat or Indiana bat individuals can be avoided. Therefore, we have determined that the ACP Restoration Project as proposed *may affect and is likely to adversely affect* the Indiana bat. The FWS expects to provide a BO on or before March 21, 2021. The implementation of our recommendation in section 3.1.3.2 to leave felled trees in place would further minimize impacts.

### **SHP Restoration Project**

In West Virginia, the restoration workspace would cross the 5-mile buffer that identifies known use summer roosting and foraging habitat between MPs 22.9 and 24.8 for a bat capture occurrence in Wetzel County. The buffer overlaps the project action area in Doddridge, Wetzel, and Tyler Counties and is considered occupied habitat. No documented Indiana bat hibernacula protection areas occur within the SHP Restoration Project workspace in West Virginia. In Pennsylvania, known Indiana bat maternity colonies and/or male capture sites are documented in Greene County, but these sites are located greater than 5 miles from the Restoration Project. Indiana bats were not identified as occurring near the two compressor stations in Pennsylvania.

No Indiana bats were detected or captured during 2015-2018 presence/likely absence surveys, and no suitable hibernacula were found within 0.5 mile of the project workspace. Suitable habitat along the proposed SHP Restoration Project outside of a known use buffer is considered suitable unoccupied habitat. It is unlikely that Indiana bats would move into

unoccupied habitats, given the declines from white-nose syndrome, high roost fidelity, and slow reproductive rate of the species. Based on survey results and the documented occurrence noted above, about 378.0 and 28.0 acres of suitable unoccupied habitat and known use summer habitat, respectively, would be within the proposed project workspace.

Like the ACP Restoration Project, noise, light disturbance, potential impacts on air and water quality, and dust from temporary restoration activities in occupied summer roosting and foraging habitat could impact Indiana bats in the SHP Restoration workspace. No direct loss of habitat would occur since no new tree felling is proposed. Restored workspace would reestablish as forest habitat over time. Therefore, we have determined that the SHP Restoration Project *may affect but is not likely to adversely affect* the Indiana bat. The FWS concurred with this determination on November 29, 2021.

#### **4.8.1.3 Northern Long-Eared Bat**

The NLEB is listed as threatened under the ESA. NLEBs predominantly overwinter in hibernacula that include caves and abandoned mines with large passages and entrances with no air current, constant cooler temperatures ranging from 32 to 48 °F, and high humidity. NLEBs arrive at hibernacula in August or September where they exhibit swarming behaviors, which includes mating and feeding to increase fat reserves prior to hibernation, and they may roost in trees around the hibernacula. They enter hibernation by October or November and leave the hibernacula by March or April. Prior to transitioning to summer habitats, NLEBs feed around hibernacula, but still return to caves during the day.

#### **ACP Restoration Project**

The known range of the NLEB includes all of the counties/cities crossed by the Restoration Project's action area in West Virginia, Virginia, and North Carolina. West Virginia Natural Heritage Inventory data also identified occurrences of NLEB within the action area in West Virginia. The FWS confirmed known occurrences of the NLEB in Harrison, Lewis, Pocahontas, and Randolph Counties, West Virginia. Virginia NHI data, Virginia Wildlife Environmental Review Map Service (WERMS) data, and North Carolina NHI data did not identify any NLEB occurrences within the action area in those states.

Eleven NLEBs were captured along the ACP Construction Project route during mist net surveys (three in Virginia and eight in West Virginia). Six of these captures were at sites within the proposed ACP Restoration Project workspace. These captures were tracked to three summer roost trees along the ACP Restoration Project. No NLEBs were captured in North Carolina.

Hibernacula surveys for NLEBs in 2015, 2016, 2017, and 2018 were conducted concurrently with those conducted for Indiana bats. Surveys in 2016 and 2017 found 19 suitable hibernacula within 0.5 mile of the project. When the sites were surveyed in the fall and/or spring, NLEBs were captured or recorded at three sites, suggesting occupation of these sites during the fall/spring and potential use as hibernacula during the winter. These three sites included capture of NLEB at one site and acoustic detection of likely NLEB at two sites.

The ACP Restoration Project workspace falls within the 0.25-mile buffer of NLEB hibernacula at two locations. Access road 05-001-C013.AR2 intersects the buffers of PH-S007/PH-S008, and access road 04-002-B025.AR3 intersects the buffer for Falling Spring Cave.

NLEB hibernacula with buffers cross the action area on AP-1 near MPs 72.3, 70.0, 79.3, and 73.9. Within the ACP Restoration Project workspace, potential NLEBs were detected at 31 sites during acoustic surveys, and these sites received follow-up mist net surveys. Six male NLEBs were captured in West Virginia Restoration workspace. No NLEBs were captured at any mist net sites in North Carolina. In West Virginia, radio transmitters were attached to two NLEBs and three roost trees were identified during radio tracking of these bats. One known NLEB roost tree is present within 150 feet of the Restoration workspace, which is along access road ACP 04-002-B025.AR6.

Potential effects on the NLEB are covered in the Programmatic BO for the species, released with the 4(d) rule (FWS, 2016). Per the NLEB 4(d) rule, no tree felling is to occur within 0.25-mile of known hibernacula at any time of year or within 150 feet of known occupied roosts during the pup season (June 1 to July 31). Therefore, all take associated with the project would be covered by the 4(d) rule.

Given seasonal tree felling, no direct impacts on summer roosting (including pupping), swarming, or emerging bats using trees for roosts are expected from tree felling activities. Two NLEB hibernacula, Falling Spring Cave and PH-S007/PH-S008, are within 0.25 mile of access roads. The potential effects on hibernating or swarming NLEBs utilizing Falling Spring Cave or PH-S007/PH-S008 are covered under the Programmatic BO (FWS, 2016), as no tree felling is required within 0.25 mile of the respective hibernaculum. Noise and lighting could also impact NLEB, but noise impacts are also covered under the Programmatic BO.

The following conservation measures for the NLEB apply in areas where *only* NLEB occupied roost trees or hibernacula were identified:

- Access road 04-002-B025.AR3 falls within 0.25 mile of Falling Spring Cave and is an existing road. Atlantic would not fell trees within the 0.25-mile buffer along this access road per the 4(d) rule for the NLEB; however, trimming of overhead vegetation may be required. Trimming activities are not expected to impact NLEB.
- Access road 05-001-C013.AR2 falls within 0.25 mile of hibernaculum PH-S007/PH-S008. Atlantic would not fell trees within the 0.25-mile buffer along this access road per the 4(d) rule for the NLEB; however, trimming of overhead vegetation may be required. Trimming activities are not expected to impact NLEB.
- Atlantic would not fell trees or clear vegetation within 150 feet of the one roost tree identified during surveys for the Construction Project during the pup season (June 1 through July 31), thus avoiding direct impacts on pups that are not mobile and cannot leave the tree if disturbed.
- Atlantic would limit specific construction and restoration activities (felling, grading, and backfilling) within 150 feet of known roost trees identified to between 0.5 hour after sunrise and 0.5 hour before sunset during the pup season (June 1 to July 31). This no-activity buffer would minimize disturbances around the roost tree during active periods that might negatively impact bats entering and leaving roosts and would allow bats to return to roost trees at dawn and to emerge from roosts at dusk.

The *Karst Plan* includes measures Atlantic would implement for avoiding or minimizing impacts on karst, which federally listed bats could use for hibernating or sheltering. Atlantic would also implement the measures in all of the plans listed in section 1.5.

The ACP Restoration Project is located within known occupied habitat for the NLEB. Atlantic would implement conservation measures to avoid or minimize impacts on NLEB, including avoiding tree felling within 0.25 mile of known hibernacula, avoiding felling occupied roost trees during the pup season, and implementation of the *Karst Plan*. However, not all impacts on occupied habitat or NLEB individuals can be avoided. Therefore, the ACP Restoration Project *may affect* the NLEB; however, all incidental take that may occur as a result of the project is covered by adherence to the 4(d) rule. The FWS concurred on December 9, 2021, stating that its January 5, 2016 Programmatic BO on the Final 4(d) Rule for the Northern Long-eared Bat and Activities Excepted from Take Prohibitions fulfills ESA consultation requirements and additional consultation for the northern long-eared bat is not necessary.

The FWS states “The northern long-eared bat 4(d) rule prohibits incidental take that may occur from tree removal activities within 150 feet of a known occupied maternity roost tree during the pup season (June 1 to July 31) or within a 1/4 mile of a hibernation site, year-round.”

### **SHP Restoration Project**

Surveys for NLEB from 2015 to 2018 found no suitable hibernacula within the survey area. Twenty-nine NLEBs (9 females, 19 males, and 1 unknown sex) were mist-netted within the Restoration workspace in Doddridge County, West Virginia. In addition, the SHP Restoration Project workspace would cross within the 150-foot buffer (between 4.1 and 140.5 feet) of five previously identified roost trees located along the SHP pipeline right-of-way in Doddridge County at MPs 4.1 and 4.5 and along access roads near MPs 17.5, 17.8, and 21.0.

Impacts on the NLEB from SHP restoration activities would primarily be limited to noise and light disturbance from temporary restoration activities in occupied summer habitat, along with potential impacts on water quality and fugitive dust. There would be no direct loss of habitat since there would be no tree felling required for the SHP Restoration Project. Rather, restored workspace would reestablish as forest habitat over time, which would benefit the species.

Although no new tree felling would take place for the SHP Restoration Project, known occupied habitat for the NLEB is present within the SHP restoration workspace. Although a conservation measure reduces activities within 150 of known roost trees, temporary effects could occur due to noise, artificial lighting, reduced water quality, and fugitive dust from restoration activities. These effects would be insignificant or discountable, while restoration of the SHP construction workspace would benefit the species and improve suitable habitat. Therefore, we have determined that the Restoration Project *may affect but is not likely to adversely affect* the NLEB. The FWS concurred with this determination on November 29, 2021.

#### **4.8.1.4 Virginia Big-Eared Bat**

The VBEB was listed as federally endangered in 1979. The VBEB is a non-migratory bat occupying caves in both winter and summer. VBEBs are found exclusively in limestone caves of western North Carolina, eastern Tennessee, eastern Kentucky, southwestern Virginia,

and southern West Virginia. Individual bats have been observed returning to the same feeding area night after night. VBEBs tend to forage along forest edges and feed primarily on moths but also eat other insects. VBEBs usually hibernate during winter in tight clusters near cave entrances that are well-ventilated and where temperatures range from 32 to 54 °F. In the summer, maternity colonies are found in the relatively warm parts of limestone caves. In July, the population and nighttime activity levels increase drastically, showing that July is the most popular breeding and maternity time.

Virginia WERMS data and the *Virginia Big-eared Bat Recovery Plan* identified one potential hibernacula within 6 miles of in the action area in Bath County, which includes an unknown cave near Hidden Valley Waterhole. This hibernaculum was not listed in the latest FWS 5-year review, and so this site likely supports small populations; maximum population estimates are not available for this VBEB hibernaculum.

VBEB calls were not detected at any sites in the workspaces proposed for the ACP Restoration Project. No VBEBs were captured during mist net surveys in 2015, 2016, or 2017. No VBEB caves are within the restoration workspaces area; however, the workspace crosses the 6-mile habitat buffer for one site, including a hibernaculum adjacent to the Hidden Valley Waterhole, located approximately 3.4 miles from a project access road and workspace associated with a water source needed for dust control. No additional VBEB caves were identified during karst and bat hibernacula surveys.

VBEBs do not roost in trees, so forested habitat loss would only include the loss of potential foraging habitat within the ACP Restoration Project workspace. Fragmentation of forest habitat used for foraging or migration may contribute to population declines of the VBEB. Impacts on VBEBs from new tree felling activities are expected to be minimal. Noise associated with restoration activities, including noise from heavy equipment and chainsaws, is expected to attenuate to background levels at a maximum of 0.28 mile from the ACP Restoration Project area; there are no hibernacula or maternity roosts within the action area.

Atlantic would implement the measures in all of the plans listed in section 1.5. Additionally, the general conservation measures described in section 4.8.1.2 would benefit VBEBs. Although VBEBs do not roost in trees, the seasonal restrictions on felling would reduce potential disturbance to reproductive females as they forage during the summer months. Any spills within 100 feet of known occurrences would be reported to the appropriate FWS field office within 24 hours of identification for input on species-specific remediation guidance. Spills would be addressed in accordance with Atlantic's *SPCC Plan*. As described in the *Karst Plan*, Atlantic would implement measures for avoiding or minimizing impacts on karst features identified during restoration activities.

Based on the lack of hibernacula in the action area, implementation of the *Karst Plan* to protect potential unknown cave features, and the commitment to seasonal tree felling, the ACP Restoration Project ***may affect but is not likely to adversely affect*** the VBEB. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.5 Gray Bat**

The gray bat was listed as federally endangered in 1975. The gray bat's range includes most of the southeastern United States, but they are mainly found in Alabama, Arkansas, Kentucky, Missouri, and Tennessee. Gray bats reside in caves year-round; they switch caves seasonally, inhabiting deep, vertical caves in the winter and limestone karst caves in the summer, often near waterbodies. Gray bats are a highly mobile species with large home ranges. Gray bats feed on flying insects along rivers and lakes, usually within 0.6 to 2.5 miles from maternity caves. Mating occurs in the fall (September through October), and young are born in late May or early June.

The nearest known occurrence for gray bat is approximately 7 miles outside the ACP Restoration Project action area in Appomattox County, Virginia. This occurrence was found in the WERMS data and appears to be a summer mist net capture record based on comments in the database and the observed date (July 4, 2003).

Atlantic's surveys identified 19 sites within 0.5 mile of the ACP Restoration Project with potential suitability as bat hibernacula. No gray bats were captured or acoustically detected at these sites. Acoustic surveys were conducted in the summer of 2015, 2016, 2017, and 2018. Acoustic surveys did not target gray bats specifically, as there is no approved survey method; however, gray bat acoustic calls are diagnostic and can be manually distinguished from *Myotis*. No gray bats were detected at sites within the ACP Restoration Project workspace. No gray bats were captured during mist net surveys in 2015, 2016, or 2017. Because the gray bat roosts in caves year-round, and no gray bat caves were identified during desktop, karst, and bat hibernacula surveys (see Section 5.2.2.2), additional surveys for the gray bat are not warranted. If additional karst surveys identify new potential hibernacula for bats, these features would be evaluated and discussed with the FWS.

The effects of habitat loss on gray bats along the ACP Restoration Project would be similar to those described for the Indiana bat; however, gray bats do not roost in trees, so forested habitat loss would only include the loss of potential foraging habitat within the workspace. No gray bat hibernacula or maternity caves occur in the action area, therefore no impacts on roosting or hibernating bats are anticipated.

Atlantic would implement the measures in all of the plans listed in section 1.5. The general conservation measures described in section 4.8.1.2 would benefit gray bats, as would the minimization measures described for other bat species. Based on the lack of hibernacula in the action area, the implementation of the *Karst Plan* to protect potential unknown cave features, and the commitment to seasonal tree felling, the ACP Restoration Project **may affect but is not likely to adversely affect** the gray bat. The FWS concurred with this determination on December 9, 2021. The implementation of our recommendation in section 3.1.3.2 to leave felled trees in place could further reduce impacts by improving insect availability and improving foraging.

#### **4.8.1.6 Rusty Patched Bumble Bee**

The RPBB was federally listed as endangered effective February 10, 2017. The RPBB's historic range extended from the northern portions of the east and midwest with populations extended to the south along the Appalachians in the United States and to the north into southern

Quebec and Ontario. Foraging ranges for most bumble bee species are quite small, with species foraging within 0.6 to 1.2 miles (1 to 2 kilometers) of the colony. The RPBB is a habitat generalist that inhabits grasslands, prairies, woodlands, marshes, agricultural lands, and residential areas. They require sufficient floral resources throughout the colony's life cycle to provide nectar, a carbohydrate, and pollen, a protein, to support the colony.

To estimate current species distribution, the FWS developed a Habitat Connectivity Model, which is used to create the mapped HPZ as well as low potential zones.<sup>76</sup> Due to the variations in land condition around each record, the HPZ range is an average of about 2.5 miles from observation points. The model uses weighted land classifications to develop a "heat map" that describes areas of decreasing likelihood of travel from the observation point. The maximum dispersal distance of 6.2 miles is then used as a guide to further refine the probability of species occurrence and to identify the primary dispersal zone.

Atlantic completed RPBB presence/likely absence and habitat assessment surveys between June 18 and August 31, 2019, in support of the Construction Project, within the survey corridor in Augusta, Bath, Highland, and Rockbridge Counties, Virginia and Pocahontas County, West Virginia. As stated in the Restoration BA, surveys yielded a total of 31 RPBB identifications. The 31 individuals found in the ACP Construction Project workspace cross four counties (Augusta, Bath, and Highland Counties, Virginia and Pocahontas County, West Virginia). Twelve RPBB were collected in Highland County and represent new county records for the species. Thirteen RPBB were collected in Bath County around the original HPZ and throughout the original primary dispersal zone and unoccupied zone. Four RPBB were collected in Augusta County, Virginia, and two RPBB were collected in Pocahontas County, West Virginia (Atlantic, 2019). The results of these surveys establish that RPBB are present in the area, but they do not provide sufficient information to calculate individual bee density or nest density within the survey area. They only indicate whether bees were present at a specific location at the time of survey.

About 81.4 of the 83.0 acres of the ACP Restoration Project workspace within the HPZ (5.6 miles of workspace and access roads – 52.6 acres in tree removal only areas, 25.7 acres in access areas, and 4.8 acres in access roads) contains potential RPBB foraging, nesting, and/or overwintering habitat. However, no nests were identified. The Restoration BA states that it is not possible to estimate the number of RPBB individuals or colonies within the ACP Restoration Project workspace.

The VDCR states that Peak Run Forest trail-Jackson River Pastures, Shady Lane Forest, and Route 640 Mill Creek Conservation Sites are documented within the areas of felled trees Atlantic proposes to leave on the ground. Additionally, Deerfield Valley, Back Draft at Route 641 and Port Lock Run Conservation Sites are documented within the access road areas. These areas have been given a biodiversity significance ranking of B3 because of the potential presence of RPBB. The VDCR recommends leaving felled trees in place if landowners are agreeable to minimize impacts to natural heritage resources including karst resources. Our recommendation in section 3.1.3.2 is consistent with the VDCR's request. Additionally, the VDCR recommends

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<sup>76</sup> The FWS updated the HPZ in March 2021 (<https://www.fws.gov/midwest/angered/insects/rpbb/rpbbmap.html>).



the use of existing roads for restoration, using appropriate erosion and sediment controls, and restoration of the three greenfield access roads be restored to original condition following restoration activities. With the implementation of the measures in the FERC *Plan and Procedures*, Atlantic would comply with these recommendations.

Equipment used along the right-of-way could crush individual bees, overwintering queens, or RPBB colonies during tree removal activities. Stacking of timber along the workspace edge, especially in areas adjacent to forest, could result in loss of suitable nesting or overwintering habitat in some areas. Spreading of chipped wood within the workspace could make it more difficult for emerging queens to find suitable foraging habitat, could reduce the availability of suitable nesting habitat in spring, or could make it more difficult for gynes (future queens) to find suitable overwintering habitat. Restoration activity during the overwintering period (October through March) could crush a gyne, thus reducing the reproductive capacity of RPBB in the region by preventing the establishment of a new colony in spring.

Direct mortality of an individual worker bee in July and August when the colony is the largest would likely have a lower overall impact on RPBB because there would be many more bees remaining to support the colony. Conversely, the loss of worker bees in April when the colony is being established could result in colony collapse due to lack of resources necessary to grow the colony. However, the potential for direct mortality of an individual worker is quite low because individual bees are more likely to fly away from or avoid restoration activities.

Equipment operating within the workspace could damage floral species if activities occur during the blooming period. Reduced access to flowering species would result in increased foraging distances for displaced bees, which may affect the bees' ability to provide sufficient resources to support the colony, resulting in reduced reproductive capacity of the colony as well as the health and survival of individual workers. Loss of spring ephemeral forage species due to project activities in early spring could have additional impacts to already locally limited resources. Queens and early workers rely on these plants early in the establishment of the nest/colony.

Restoration activity could increase soil compaction within the restoration workspace, making the areas unsuitable for nesting bees. However, restoration activities would be short-term and minimal, and adjacent undisturbed suitable habitat would remain in the area. Atlantic's *Invasive Plant Species Plan* directs herbicide treatment of non-native invasive species as necessary, which can adversely impact both suitable foraging habitat and individual health of the RPBB. Fugitive dust could degrade suitable forest habitat and damage flowering plants used for foraging by changing the pH of the soil, which could eliminate some flowering species and increase the number of invasive species.

Atlantic would follow its *Fugitive Dust Control and Mitigation Plan* as necessary to minimize the effects of fugitive dust within the workspace and adjacent areas and minimize activities in the HPZ. Atlantic would also reseed according to its Restoration and Rehabilitation Plan, which requires incorporation of regionally specific and endemic plant seed into its all-grass seed mix. Mowing would not be conducted in the HPZ following restoration, therefore suitable habitat would not be disturbed and would have the opportunity to naturally regenerate. Due to the potential for this species to be encountered during restoration activities, the potential for direct mortality of one or more individuals, and the temporary loss of foraging habitat, we have

determined that the ACP Restoration Project *may affect and is likely to adversely affect* the RPBB. The FWS expects to provide a BO on or before March 21, 2022.

#### **4.8.1.7 *Small-whorled Pogonia***

The SWP is a federally threatened perennial orchid listed in 1982. In the coastal plain, SWP prefers gently sloping forests dominated by American beech, oak, and hickory. In the mountains, SWP occurs on upland sites generally at inclinations of 0 to 30 percent, tends to prefer an eastern and occasionally south facing aspect (50 to 195 degrees), and is often associated with mixed-deciduous or mixed-deciduous/coniferous forests generally in second- or third-growth successional stages. The flowering period for SWP in the mid-Atlantic region is in May and June. SWP can have periods of dormancy. While dormant, the orchids likely receive resources from mycorrhizal fungi.

Habitat assessments for rare, threatened, and endangered plants were conducted along the ACP Construction Project survey corridor from 2015 through 2020. No SWP were identified during surveys in 2015. Three SWP populations were identified in 2016 within the area proposed for the Restoration Project. All three populations are located outside the proposed ACP restoration workspace in Pocahontas County, West Virginia (two were within the MNF). The third population (10 stems) was found near MP 92.6 in Seneca State Forest. A total of 39 newly documented stems were found during the summer of 2018: 14 new stems at the Seneca Forest population, 6 at the MP 94.7 MNF population, 19 new stems at the MP 95.1 MNF population. None of these populations would be directly impacted by the ACP Restoration Project.

ACP restoration activities would remove suitable SWP habitat by removing trees and vegetation from the right-of-way, which would increase direct sunlight and change the moisture regime, making previously suitable habitat no longer suitable to support the species. Non-native invasive plant species could also impact SWP habitat. Invasive vegetation growing outside of the right-of-way and near the colonies may also increase due to increased light from cleared vegetation. If non-native plant species are introduced by restoration activities, native species, like SWP, could be outcompeted. Ground disturbance in the upslope drainage area, including soil compaction from restoration activity, clearing of vegetation in the upslope drainage area, and diversion of surface water flow away from the SWP colonies, could alter the surface and subsurface hydrology in a colony. Dust generated from restoration activities may settle on SWP plants if they are adjacent to the restoration workspace, causing temporary damage to plants.

Signage would be placed at the edge of the right-of-way to notify project personnel of an environmentally sensitive area. In addition, final cleanup (including final grading and installation of ESC devices) would be completed as required by permits, landowner requests, and as specified in the *Restoration and Rehabilitation Plan* and the *FERC Plan and Procedures* to avoid and minimize impacts on SWP habitat. A meeting was held on April 29, 2021, with representatives from Atlantic, the WVDNR, FWS, and the West Virginia Division of Forestry. As requested by the FWS during that meeting, Atlantic would continue long-term SWP population monitoring in the Seneca State Forest, within areas where trees have been felled and removed, in accordance with Atlantic's license agreement with the West Virginia Division of Natural Resources.

Given that none of the three SWP populations within the ACP Restoration Project action area would be directly impacted, and any indirect impacts would be minor and mitigated, we have determined that the ACP Restoration Project *may affect but is not likely to adversely affect* SWP. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.8 Michaux's Sumac**

Michaux's sumac was federally listed as endangered in 1989. This shrub is endemic to the coastal plain and piedmont areas of Virginia, North Carolina, South Carolina, Georgia, and Florida, where it grows in sandy or rocky open woods with basic soils. The species utilizes clonal reproduction, which causes populations to be low in genetic variability. Oftentimes, populations are composed entirely of one sex. The species has low reproductive success, making it particularly vulnerable to threats, such as fire suppression, habitat destruction from development, and herbicide use.

In-field habitat assessments were completed from 2015 to 2021. No Michaux's sumac were identified during surveys in Virginia. One population of Michaux's sumac was found in a power line right-of-way near MP 170.5 in Robeson County, North Carolina, during 2015 surveys, which was found to be outside of the ACP Construction Project workspace. Additional surveys were conducted in 2020 within unoccupied suitable habitat where trees had not been felled and the previous surveys were more than 2 years old in North Carolina and 5 years old in Virginia. No occurrences were identified.

Regarding the Robeson County occurrence, Atlantic's 2019 surveys confirmed the branch and root system of the closest stem to be 30 feet outside the ACP restoration workspace. Proposed restoration activities near this population include the removal of a rock construction entrance and would involve minimal vegetation clearing and grading. Due to the occurrence location, impacts from vegetation clearing and ground disturbance within the ACP restoration workspace are unlikely to damage or kill individual Michaux's sumac plants; however, based on plant proximity, fugitive dust and erosion may affect the population at this location.

Restoration activities in the ACP workspace adjacent to the identified Michaux's sumac population could increase the suitable habitat available for the species. Without periodic disturbance to remove taller trees and shrubs, the habitat becomes unsuitable for the sumac. However, due to the proximity to the ACP workspace and existing power line corridor, this population of Michaux's sumac may be exposed to herbicides or chemicals as the result of spills. Herbicide use associated with invasive species control could result in mortality. Sediment movement and surface water runoff from the right-of-way could also alter the existing Michaux's sumac habitat. Dust generated from restoration activities may settle on plants if they are within 350 meters (1,148.3 feet) of the ACP restoration workspace, causing temporary damage to plants.

Atlantic resurveyed the Robeson County population in December 2019 and confirmed that the species remains outside of the current workspace. The boundary of the Michaux's sumac population along with a 25-foot no herbicide buffer would be designated as an environmentally sensitive area. There would be no direct effects on this species and, ACP restoration activities may result in a positive impact of availability of more suitable habitat. Therefore, we have determined that the ACP Restoration Project *may affect but is not likely to*

*adversely affect* Michaux's sumac. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.9 Virginia Spiraea**

Virginia spiraea was listed as a federally threatened shrub in 1990. It is found in the mountain regions of Alabama, Georgia, North Carolina, Tennessee, Kentucky, Virginia, Ohio, and West Virginia. The plant grows along streams and rivers in areas with periodic disturbances, such as high-velocity scouring floods, which eliminate competition from other woody vegetation. Plants are often found on geologically active areas with erosion, deposition, and slumping, along rivers with dynamic flooding regimes, sandbars, scoured river shore, and flatrock habitat with crevices. Virginia spiraea has a clonal root system that can fragment in the form of vegetative reproduction.

No Virginia spiraea individuals were identified within the survey corridor during Atlantic's surveys for the Construction Project. However, NHI results for West Virginia indicate four occurrences of Virginia spiraea along the Buckhannon River within the action area in Upshur County. Three of the occurrences are located near existing gravel project access road 03-118.AR3, with the closest occurrence at approximately 115 feet west of the road. No suitable habitat for the species was identified during field surveys on access road 03-118.AR3. Field surveys also confirmed the workspace adjacent to the Buckhannon River at MP 31.5 and 0.2 mile upstream of an occurrence does not contain suitable habitat for the species. Furthermore, improvements are not proposed at access road 03-118.AR3, and no in-stream activities or restoration work is proposed at the Buckhannon River.

Access road 03-118.AR3 is an existing gravel-covered road. Atlantic's use of this road during restoration could generate dust, which could settle on and affect plants adjacent to the road, potentially causing temporary damage to the plants.

Given no improvements would occur to the access road 03-118.AR3, and with the implementation of the proposed minimization measures, we have determined that the ACP Restoration Project *may affect but is not likely to adversely affect* Virginia spiraea. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.10 Candy Darter**

The candy darter was listed as federally endangered in December 2018. This small freshwater fish is endemic to portions of the upper Kanawha River Basin (above Kanawha Falls) in West Virginia and Virginia and occurs in the New River drainage in both states; however, this species is primarily found in the Greenbrier and Gauley River drainages of West Virginia. The candy darter is a habitat specialist and requires rivers that are second order or larger that contain riffles and runs. Threats to this species include hybridization, excessive sedimentation, warming water temperatures, habitat fragmentation, changes in water quality and flow, and competition or predation associated with other introduced species. More information on the candy darter's life history, historical and current distribution, and threats is discussed in the 2017 FEIS and the Restoration BA. The candy darter is not documented in and suitable habitat does not occur in the SHP Project area.

According to the Restoration BA, ACP restoration activities are proposed within and in proximity of waterbodies with known or assumed presence of candy darter in the Greenbrier metapopulation area. Atlantic conducted habitat assessments along the ACP Construction Project survey corridor in April 2017 at 29 stream crossings within the Greenbrier River subbasin in West Virginia. Habitat with potential to support candy darters was observed at three streams along AP-1 within the action area of the ACP Restoration Project (Glade Run, Thomas Creek, and Clover Creek). According to the Restoration BA, waterbodies with assumed presence of candy darter that could be affected by the ACP Restoration Project are Thomas Creek, Glade Run, Clover Creek, Greenbrier River, and Knapp Creek. The Greenbrier River and Knapp Creek have both been designated as candy darter critical habitat. The Greenbrier River is within the action area of the ACP Restoration Project as defined in the Restoration BA but would not be affected by restoration work. However, Atlantic proposes tree removal near a tributary to the Greenbrier River.

Atlantic is proposing to conduct installation/removal of a bridge and waterbody equipment crossing in Thomas Creek, which would require in-stream work. Atlantic would use a tracked excavator on the stream bank to remove the rock-and-flume crossing. A dump truck would relay the rock and materials from the work area to a matted/layered work area. Atlantic expects that removal of this crossing would be completed in two days, and Atlantic has committed to restoring the riparian area following completion of the work. In-stream work would result in short-term increases in total suspended solids (TSS) concentrations in this waterbody and could result in direct injury, harm, or mortality of candy darters if they are present. Additionally, these in-stream activities could alter the streambed composition and structure, changing the habitat suitability of the area.

Atlantic also proposes to conduct felled tree removal adjacent to an unnamed tributary of Thomas Creek (spoe010), which could serve as an incidental source of sediment to the tributary and downstream into Thomas Creek. Atlantic has also noted an area where there is the potential for a slip to affect this tributary. As described in section 4.5, in the event of a slip in these areas, sloughed material may be deposited into the stream. If this occurs, Atlantic would coordinate with the WVDNR and/or FWS and remove debris from the stream as necessary.

Atlantic's proposed workspace for tree removal activities crosses Glade Run and is within 50 feet of Clover Creek at two locations. Additionally, access road 05-001-E035.AR2 is within 135 feet of Clover Creek and within 30 feet of an unnamed tributary to Clover Creek. This access road was originally planned to be a permanent access road, and the rock construction entrance was partially constructed. However, the remainder of the access road would not be completed. The rock construction entrance would be removed during restoration, but no in-stream work would be required. One temporary access road (05-001-E036.AR1) is about 30 feet from Glade Run. While direct impacts on Glade Run would be avoided, this access road could serve as an incidental source of sediment to the stream as a result of road runoff and activities required for restoration of the road. Two contractor yards (CY Spr 03-B and PY Spr 03-A) are located in the riparian area of Knapp Creek. Atlantic is proposing some restoration work at one of the contractor yards, which is further discussed below.

Upland restoration activities, specifically ground-disturbing activities and erosion from use of access roads, could result in sediment-laden stormwater entering nearby waterbodies and causing increased TSS, turbidity, and sedimentation in the waterbody which would affect water

quality and habitat for aquatic species. As explained in the Restoration BA, Atlantic is conservatively estimating that sediment has the potential to reach nearby streams when ground disturbance is occurring up to 300 feet away. Therefore, for our analysis of effects on sensitive waterbodies containing federally listed species, we are conservatively estimating that any restoration activities within 300 feet of waterbodies have the potential to contribute sediment to the waterbody and cause increases in TSS and sedimentation. As discussed in the 2017 FEIS, an increase in TSS and sedimentation can alter habitat for aquatic species and cause physiological harm and affect species behavior.<sup>77</sup> An increase in fine sediment in a waterbody is particularly detrimental to species that rely on clear streams with sand and gravel substrates, such as the candy darter.

There is also the potential for accidental spills to occur during the course of the Restoration Project, which could harm aquatic species, such as candy darters, through exposure to chemical contaminants or petroleum products. Atlantic would adhere to the FERC *Plan and Procedures* and has developed specific plans for the project (see section 1.5), including an *SPCC Plan* to minimize impacts from accidental spills during restoration activities.

At waterbodies where candy darter presence is assumed, Atlantic would apply the FWS' enhanced conservation measures (where applicable for the Restoration Project). The enhanced conservation measures would also be implemented at perennial tributaries within 1 river mile of waterbodies where an ESA listed species is confirmed or assumed. These measures are described in the ACP Implementation Plan, Environmental Condition 65 filed on October 17, 2017.<sup>78</sup> These measures include Atlantic's agreement to not conduct grubbing within 50 feet of waterbodies containing federally listed species between November 15 and April 1.

Extensive sedimentation is not expected from the planned restoration activities; however, short-term increases in TSS may occur for a limited distance downstream of in-stream workspaces and upland restoration activities within 300 feet of a waterbody. Due to the short duration of planned restoration activities, candy darter exposure to short-term increases in TSS associated with restoration activities is expected to be minor. In addition, Atlantic would adhere to FWS recommended TOYRs to protect candy darter for in-stream work to minimize effects on early life stages vulnerable to sedimentation impacts. Given the uncertain status of the candy darter in the vicinity of the Restoration Project and considering ongoing hybridization in the upper Greenbrier drainage, in-stream restoration work could result in adverse impacts on any extant candy darters. Even if our recommendation in section 3.1.3.2 for Atlantic to leave felled trees in place is implemented, other restoration activities in the area of candy darter streams (as described above) could result in impacts on this species. Therefore, our determination is that the ACP Restoration Project ***may affect and is likely to adversely affect*** the candy darter. The FWS expects to provide a BO by March 21, 2022.

### **Candy Darter Critical Habitat**

The ACP Restoration Project has the potential to affect designated critical habitat in Knapp Creek. Some restoration activities, including restoration of contractor yards, would occur

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<sup>77</sup> 2017 FEIS pp. 2-288 and 4-309.

<sup>78</sup> FERC eLibrary Accession No. 20171018-5002.

in upland areas and riparian areas adjacent to Knapp Creek. Due to the close proximity of these activities to Knapp Creek, there is the potential for sedimentation into the creek as a result of restoration activities. However, based on the type of restoration activities that would occur at contractor yards (as described in section 2.1.3) and Atlantic's use of erosion control measures to prevent sediment from leaving the workspaces and entering Knapp Creek, we determined that the ACP Restoration Project *may affect but is not likely to adversely affect* designated critical habitat for candy darter. The FWS concurred with our determination on December 9, 2021.

#### **4.8.1.11 Roanoke Logperch**

As described in the 2017 FEIS, the federally endangered Roanoke logperch is a large darter found in medium-to-large warm, clear streams and small rivers. The logperch is found in pools, riffles, and runs with sand, boulder, or gravel substrate. Roanoke logperch feed by flipping pebbles and gravel with their snouts to expose invertebrates; because of this, they prefer habitat with loose, unsilted, substrates of a size that are easily flipped (Lahey and Angermeier, 2007). The Roanoke logperch is endemic to the Chowan River basin in Virginia and Roanoke River basin in North Carolina and Virginia. Threats to this species include construction of dams and impoundments and siltation from agriculture. More information on the Roanoke logperch's natural history, historical and current distribution, and threats, is discussed in the 2017 FEIS and Restoration BA. The Roanoke logperch is not found in the SHP area.

Atlantic conducted habitat assessments for Roanoke logperch in October 2015, January 2017, and July 2017 for the ACP Construction Project in accordance with the FWS approved study plan. Based on these survey results, Atlantic determined that ACP Restoration Project's action area contains potential Roanoke logperch habitat in the Nottoway River. According to the Restoration BA, Atlantic is assuming presence of Roanoke logperch in the Nottoway River.

No in-stream work or upland restoration activities are proposed within 300 feet of the Nottoway River or its unnamed tributaries, with the exception of one temporary access road (25-084-AR 1) which crosses two unnamed tributary to the Nottoway River. While Roanoke logperch are not assumed present in this tributary, presence is assumed downstream in the Nottoway River. Use of the access road could contribute an incidental source of sediment to the tributary, and possibly the Nottoway River, as a result of road runoff and activities required for restoration of the road, which would include adding gravel within existing limits of the roadbed. Atlantic would install silt fence along the access road at the waterbody crossings. This access road is an existing road maintained by the landowner and no restoration to the road is necessary post-construction. As discussed above, we are assuming that any restoration work within 300 feet of a sensitive waterbody containing federally listed species has the potential to contribute sediment to the waterbody. Restoration work within 300 feet of the tributary to the Nottoway River could result in short-term increases in TSS concentrations for a limited distance downstream in the tributary, as well as in the Nottoway River. The potential impacts on Roanoke logperch from increased sediment in streams are discussed in the 2017 FEIS and the Restoration BA.

As noted above, Atlantic would incorporate the conservation plans described in section 1.5 that are designed to reduce the potential for effects on aquatic species and habitats from restoration activities. In addition, Atlantic would implement the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile. Due to the short

duration of planned restoration activities, Roanoke logperch exposure to short-term increases in TSS associated with restoration activities is expected to be minor. Based on the distance of restoration activities from potential habitat in the Nottoway river and Atlantic's proposed mitigation and conservation measures to prevent sediment from reaching the unnamed tributary to the Nottoway River, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the Roanoke logperch. The FWS concurred with our determination on December 9, 2021.

#### **4.8.1.12 Clubshell**

The clubshell is a small-to-medium-sized freshwater mussel that was federally listed as endangered in 1989. The clubshell inhabits areas with low turbidity in medium-to-small waterbodies with loose sand or gravel substrate, often below riffles. Primary threats to the clubshell are pollution caused by agricultural runoff, industrial wastes, the establishment of impoundments for navigation, and invasive species infestations. The clubshell usually inhabits areas with clean sand or gravel substrate because fine sediment can clog interstitial pores and make habitat less suitable for clubshells (Roley and Tank, 2016). More information on the clubshell's life history, historical and current distribution, and threats is discussed in the 2017 FEIS and Restoration BA.

#### **ACP Restoration Project**

According to the Restoration BA, the clubshell is assumed present in Hackers Creek within the action area of the ACP Restoration Project. The ACP Restoration Project workspace (full restoration work) does not intersect Hackers Creek directly, but it parallels Hackers Creek for approximately 3.4 miles and intersects 19 direct tributaries to Hackers Creek. The shortest distance between Hackers Creek and ACP Restoration Project workspace (excluding access roads) is approximately 0.14 mile (near MPs 15.5 and 17.1). For most of the parallel distance, Hackers Creek is approximately 0.3 mile from the workspace. No in-stream work is planned in tributaries to Hackers Creek. As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills in the tributaries, as well as downstream in Hackers Creek. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA.

Atlantic would use one existing dirt road (02-095-A001-AR 1) which parallels Hackers Creek and crosses two unnamed tributaries to Hacker's Creek and is adjacent to four other unnamed tributaries to Hackers Creek. This access road is approximately 44 feet from the edge of Hackers Creek in some locations. In addition, five permanent access roads are within 300 feet of a number of tributaries to Hackers Creek, and two permanent access roads are located in proximity to Life's Run and West Run tributaries. While no in-stream work is proposed, the use of access roads could serve as a source of incidental sedimentation to these tributaries during the ACP Restoration Project. Atlantic has also noted an area where there is the potential for a slip to affect an unnamed tributary to Hackers Creek (spoe109). As described in section 4.5, in the event of a slip in these areas, sloughed material may be deposited into the stream. If this occurs, Atlantic would coordinate with the WVDNR and/or FWS and remove debris from the stream as necessary. Atlantic is continuing to monitor this area and to date, no material from the slip has entered the waterbody.



Atlantic would implement its mitigation plans outlined in section 1.5 and the FWS' enhanced conservation measures where an access road (02-095-A001-AR1) crosses two perennial unnamed tributaries to Hackers Creek to minimize downstream impacts. Restoration activities and use of access roads in the Hackers Creek tributary system may cause short-term, incremental increases in TSS in tributaries to Hackers Creek. Exposure of any remaining clubshell in Hackers Creek to short-term increases in TSS or sedimentation associated with the ACP Restoration Project would be minor. Given these factors, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the clubshell. The FWS concurred with our determination on December 9, 2021.

### **SHP Restoration Project**

In West Virginia, the SHP Restoration Project would cross Meathouse Fork which is known to contain clubshell. EGTS conducted mussel surveys in West Virginia in 2015 in all streams crossed by the SHP Construction Project with potential to support freshwater mussels. As described in the BE, based on EGTS's stream analysis, suitable habitat for clubshell does not occur at the Meathouse Fork crossing, and no clubshell mussels were found during surveys of other streams crossed by the SHP Restoration Project. Given this information, our determination is that the SHP Restoration Project would have *no effect* on the clubshell.

#### **4.8.1.13 Snuffbox**

The snuffbox is a federally endangered freshwater mussel with no designated critical habitat. The species typically occurs in small- to medium-sized streams in areas with a swift current. The snuffbox's historic distribution included 210 streams and lakes in 18 states and Ontario, Canada. The current distribution has been reduced to 79 streams and lakes in 14 states and Ontario. Threats to the species include dams, pollution, sedimentation, and invasive species (particularly zebra mussels). The snuffbox would not be affected by the ACP Restoration Project.

The range of the snuffbox overlaps with the SHP Restoration Project action area in Pennsylvania and West Virginia. According to the BE, the SHP Project would cross two waterbodies in West Virginia known to support snuffbox: McElroy and Indian Creeks in Tyler County. In addition, Contractor Yard 9 is adjacent to Buckeye Creek, which is also known to contain snuffbox. Habitat analysis and field surveys for snuffbox were conducted in 2015 and 2016 in suitable habitat at SHP Construction Project waterbody crossings. EGTS notes in the BE that the McElroy Creek crossing near MP 18.5 was identified as having suitable habitat for the species, while Buckeye and Indian Creeks were not found to contain suitable habitat; and no snuffbox mussels were found during surveys. Despite negative survey results, EGTS is assuming presence of snuffbox within the action area at McElroy Creek due to the previous documented occurrence in the creek and suitable habitat in the area.

EGTS is not proposing in-stream restoration work at McElroy Creek. Project activities that could affect snuffbox include restoration of the SHP pipeline right-of-way and contractor yard adjacent to McElroy Creek. As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and BE.

Water withdrawals for hydroseeding and dust control could take place in McElroy Creek. Water withdrawals have the potential to reduce water flow volumes and velocities in streams, causing an increase in turbidity and sedimentation, altering dissolved oxygen concentrations, and affecting water levels in streams, potentially exposing mussels to the air and desiccation. Intake pumps also have the potential for entrainment or impingement of larvae. EGTS would follow the FERC *Procedures* to minimize impacts on aquatic species including screening of intake hoses to prevent entrainment and maintaining adequate flows to protect aquatic life. EGTS would implement the following measures to minimize effects of potential water withdrawals on snuffbox habitat in McElroy Creek.

- Use 1 millimeter (0.04 inch) or smaller screens to minimize impingement/entrainment of mussels.
- Limit water withdrawal to not exceed 10 percent of instantaneous flow.
- Ensure that intake velocity does not exceed 0.25 feet per second.
- Use floating intake structures to avoid impacts on the stream bed.
- Implement applicable time-of-year restrictions

EGTS would implement a number of conservation measures to avoid or minimize potential impacts on snuffbox and its habitat, including erosion control measures to minimize stormwater runoff according to FERC's *Plan* and *Procedures*. Disturbed soil would be revegetated according to the *SHP Restoration and Rehabilitation Plan*. EGTS would prevent and mitigate potential spills with implementation of the SHP *SPCC Plan*. In addition, EGTS would implement the FWS enhanced conservation measures at McElroy Creek. Given these factors, our determination is that the SHP Restoration Project **may affect but is not likely adversely affect** the snuffbox. The FWS concurred with this determination on November 29, 2021.

#### **4.8.1.14 Yellow Lance**

The yellow lance is a freshwater mussel that was listed as threatened on May 3, 2018. It is an elongated mussel that reaches up to 3.4 inches in length. The preferred habitat of the yellow lance is clean water with coarse-to-medium-sized sands (sometimes gravel) as substrate. Historically, the range of this species extended from Georgia to Pennsylvania, but currently the range of the yellow lance extends from the Rappahannock River Basin in Virginia south to the Neuse River Basin of North Carolina. Threats to this species include degradation of habitat and water quality (with contaminants and fine silts and sediment) due to urbanization, agriculture, and impoundments. More information on the yellow lance's life history, historical and current distribution, and threats is discussed in the 2017 FEIS and Restoration BA. The yellow lance has not been documented in waterbodies in the SHP Restoration Project area.

Surveys for yellow lance were conducted for the ACP Construction Project in Virginia and North Carolina in coordination with state agencies and the FWS. A description of these

surveys is in the Restoration BA.<sup>79</sup> According to the Restoration BA, no yellow lance were found within streams potentially affected by ACP restoration activities. However, Atlantic is assuming presence in five waterbodies (Beaverdam Swamp, Fishing Creek, Tar River, Swift Creek, and Nottoway River) that could be potentially affected by restoration activities. No in-stream work is proposed in waterbodies with assumed presence of yellow lance, and no restoration activities are proposed in proximity to the Tar River, Swift Creek, and the Nottoway River. There is no restoration work proposed near the Nottoway River, but as noted above, Atlantic would use an access road within 300 feet of a tributary to the Nottoway River. Full restoration activities are proposed within 80 feet of Beaverdam Swamp and 275 feet of Fishing Creek. According to the Restoration BA, based on wetland and waterbody survey data at Beaverdam Swamp, the streambed in the workspace comprises silt and gravel and lacks the clean water habitat preferred by yellow lance.

As discussed above in section 4.8.1.10, restoration activities within 300 feet of waterbodies have the potential to contribute sediment to the waterbody and cause increases in TSS and sedimentation, which in turn can alter aquatic habitat and cause harm to sensitive species. Further discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA. To minimize sediment loading into waterbodies where yellow lance presence is assumed, Atlantic would apply the FWS' enhanced conservation measures, as well additional conservation measures outlined in section 1.5. Other efforts Atlantic has undertaken to broadly support yellow lance conservation efforts include providing funding to the North Carolina Wildlife Resources Commission to supplement propagation and augmentation of yellow lance in the Tar River, Nash County, North Carolina. This funding supported a 5-year augmentation project with the goal of increasing the density of the yellow lance in suitable habitats of currently occupied areas of the Tar and Neuse River basins.

Due to the short duration of planned restoration activities, yellow lance exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Given the factors discussed above and Atlantic's proposed mitigation and conservation measures, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* yellow lance. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.15 Dwarf Wedgemussel**

The dwarf wedgemussel is a federally endangered freshwater mussel that was listed in 1990. The mussel is found in a variety of habitats, including shallow-to-deep, quick-running water on cobble, fine gravel, or on firm silt or sandy bottoms. It requires areas of slow-to-moderate current, good water quality, and minimal silt deposits. Threats to the species include point source pollution, non-point chemical pollution, sedimentation from agriculture, discharge rate modifications, and landfill construction near occupied waterbodies. More information on the dwarf wedgemussel's life history, historical and current distribution, and threats is discussed in the 2107 FEIS and Restoration BA. The dwarf wedgemussel is not documented in and suitable habitat does not occur in the SHP Restoration Project area.

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<sup>79</sup> Restoration BA at section 5.12.2.2.

This species has the potential to occur in Nottoway County, Virginia, and Halifax, Nash, Wilson, and Johnston Counties, North Carolina. Atlantic conducted surveys for dwarf wedgemussels concurrently with yellow lance. According to the Restoration BA, no dwarf wedgemussels were identified during ACP Construction Project surveys. However, as discussed in the 2017 FEIS, dwarf wedgemussel presence is assumed in the Nottoway River in Virginia and Rocky Swamp in North Carolina. Additionally, according the Restoration BA, presence is assumed Beaverdam Swamp due to lack of survey access. Dwarf wedgemussel is a habitat generalist; thus, habitat in Beaverdam Swamp may be suitable; however, the nearest reported occurrence to this location is over 8 miles away at Rocky Swamp. As described in the Restoration BA, it is likely that dwarf wedgemussel populations in Rocky Swamp are extirpated.

The ACP Restoration Project has the potential to affect the following streams that may contain dwarf wedgemussel: Nottoway River in Virginia, and Rocky Swamp and Beaverdam Swamp in North Carolina. Rocky Swamp is within the restoration workspace where Atlantic proposes full restoration activities, including removal of existing mats installed across this waterbody, as well as restoration of adjacent wetland and upland areas. Grubbing would be required within 50 feet of Rocky Swamp, but Atlantic would adhere to the TOYR (no grubbing between November 15-April 1). Atlantic is not proposing any TOYRs for in-water work in Rocky Swamp, as detailed in appendix K of the 2017 FEIS. However, we are in consultation with the FWS regarding the appropriate timing windows for in-water work in Rocky Swamp, and any TOYRs will be finalized at the conclusion of Section 7 consultation. Atlantic also is proposing full restoration activities within 80 feet of Beaverdam Swamp and adjacent to a perennial unnamed tributary to Beaverdam Swamp. There is no restoration work proposed near the Nottoway River, but as noted above, Atlantic would use an access road within 300 feet of a tributary to the Nottoway River.

As discussed above (section 4.8.1.10), restoration activities, including use of access roads, within 300 feet of waterbodies containing sensitive species have the potential to contribute minor and short-term increases in sediment loading and TSS. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA. In-stream work to remove existing mats in Rocky Swamp has the potential to increase TSS for a short period of time while the work is being completed and for a short time after. Due to the fact that this species is not likely present in Beaverdam Swamp and Rocky Swamp, we expect that any effects from the restoration work would be discountable at these locations.<sup>80</sup> Considering these factors, our determination is that the ACP Restoration Project ***may affect but is not likely adversely affect*** the dwarf wedge mussel. The FWS concurred with this determination on December 9, 2021.

#### ***4.8.1.16 Tar River Spiny mussel***

The Tar River spiny mussel was federally listed as endangered in 1985. It is a freshwater mussel with shells growing up to 2.2 inches in length. It currently can only be found in North Carolina in relatively silt-free riffle and run habitat in uncompacted gravel and/or coarse sand in fast-flowing, well-oxygenated streams. Primary threats to the mussel are sedimentation, bank instability, and loss of in-stream habitat. More information on the Tar River spiny mussel's life

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<sup>80</sup> Restoration BA at section 5.13.

history, historical and current distribution, and threats is discussed in the 2017 FEIS and Restoration BA. The Tar River spiny mussel does not occur within the SHP Restoration Project area.

Atlantic conducted surveys for Tar River spiny mussel concurrently with yellow lance surveys which are referenced above. As described in the Restoration BA, no Tar River spiny mussels were identified during ACP Construction Project surveys. However, Atlantic is assuming presence of the Tar River spiny mussel within the ACP Restoration Project action area in Fishing Creek, Swift Creek, and Beaverdam Swamp. Atlantic is not proposing any in-stream restoration activities at waterbodies where Tar River spiny mussel is assumed present. No upland restoration activities are proposed within 300 feet of Swift Creek. Atlantic is proposing full restoration activities within 80 feet of Beaverdam Swamp and 275 feet of Fishing Creek. Atlantic also is proposing upland restoration activities adjacent to a perennial unnamed tributary to Beaverdam Swamp and a perennial unnamed tributary to Fishing Creek (as listed in Attachment C of the Restoration BA). The Tar River spiny mussel is not likely present in Beaverdam swamp because it is considered low quality habitat.

As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile. Due to the short duration of planned restoration activities, exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Given these factors, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the Tar River spiny mussel. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.17 Carolina Madtom**

The Carolina madtom was recently listed as endangered, which became effective on July 9, 2021. Carolina madtom are in the bullhead and catfish family. This species is a small fish that grows to approximately 5 inches in length. They require clear, flowing water of medium to large streams with sand, gravel, and detritus bottoms. The Carolina madtom is endemic to the Tar and Neuse River Basins in North Carolina. Populations have declined significantly in the Neuse River Basin. Primary threats to the Carolina madtom include habitat alteration due to sediment loading from agriculture, forestry practices, and development; degradation of water quality from pollutants entering streams; and invasive species. More information on the Carolina madtom's life history, historical and current distribution, and threats is discussed in the 2017 FEIS and Restoration BA. The Carolina madtom does not occur within the SHP Restoration Project area.

Atlantic conducted Carolina madtom surveys for the ACP Construction Project in 2015 and 2016. As described in the Restoration BA, Carolina madtom were observed in Swift Creek within the action area of the ACP Restoration Project; therefore, presence is confirmed in Swift Creek and assumed downstream. Additionally, per FWS recommendations, presence is also assumed within Fishing Creek and the Tar River. Presence is assumed at Beaverdam Swamp

due to lack of survey access; however, as discussed above, the stream bed in Beaverdam Swamp lacks the gradient, clear water, and riffle-runs-pool habitat areas preferred by Carolina madtom.

Atlantic does not propose to conduct in-stream restoration activities at any of the waterbodies where presence of Carolina madtom is confirmed or assumed. Atlantic proposes full restoration activities within 80 feet of Beaverdam Swamp and 275 feet of Fishing Creek. but No restoration activities are proposed within 300 feet of the Tar River or Swift Creek. Atlantic is also proposing upland restoration activities adjacent to perennial tributaries to Beaverdam Swamp, Fishing Creek, and the Tar River (as listed in Attachment C of the Restoration BA). As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect the Carolina madtom is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile.

Due to the short duration of planned restoration activities, Carolina madtom exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Given the factors discussed above and Atlantic's proposed mitigation and conservation measures, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the Carolina madtom. The FWS concurred with this determination on December 9, 2021.

#### **Carolina Madtom Critical Habitat**

Approximately 257 river miles within seven waterbodies have been designated as Carolina madtom critical habitat in North Carolina as of June 2021. The ACP Restoration Project intersects two of the seven critical habitat units for Carolina madtom in North Carolina: Swift Creek and Fishing Creek. Given the factors discussed above and Atlantic's proposed mitigation and conservation measures, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* Carolina madtom critical habitat. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.18 Chowanoke Crayfish**

The Chowanoke crayfish was petitioned for federal listing in April 2010. The FWS determined listing may be warranted and initiated a status review in September 2011. The Chowanoke crayfish listing decision is expected to occur in 2021. No critical habitat is currently proposed for this species. The Chowanoke crayfish is found in Virginia and North Carolina in the Chowan River drainage and the lower Roanoke drainage in North Carolina. Chowanoke crayfish prefer perennial streams with moderate to high gradient and flow and noticeable current but may be found in slow-moving streams with sand or gravel substrates. Threats to the Chowanoke crayfish include habitat alteration, and degradation of water quality from pollutants entering streams. More information on the Chowanoke crayfish life history, historical and current distribution, and threats are discussed in the 2017 FEIS and Restoration BA. The Chowanoke crayfish does not occur within the SHP Restoration Project area.

Waterbodies with potential for Chowanoke crayfish were surveyed concurrently with North Carolina mussel surveys from 2015 to 2018. As described in the Restoration BA, no Chowanoke crayfish were identified during ACP Construction Project surveys; however, presence is assumed in the Roanoke River. Atlantic is not proposing any in-stream work or restoration activities within 300 feet of the Roanoke River. However, full restoration activities are proposed within 292 feet of two unnamed tributaries to the Roanoke River. As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect Chowanoke crayfish is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile.

Due to the short duration of planned restoration activities, Chowanoke crayfish exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Given the factors discussed above and Atlantic's planned mitigation and conservation measures, our determination is that the ACP Restoration Project is ***not likely to cause a trend toward federal listing*** for this species. In the event that Chowanoke crayfish becomes listed prior to completion of the Restoration Project, our determination is that the ACP Restoration Project ***may affect but is not likely to adversely affect*** the Chowanoke crayfish. The FWS stated in its December 9, 2021 letter that a conference is only required once a species is proposed for listing. Therefore, consultation is complete for this species.

#### ***4.8.1.19 Neuse River Waterdog***

The NRW was recently listed as threatened, which became effective on July 9, 2021. The NRW is a small freshwater amphibian endemic to North Carolina. Characterized by large feathery gills and a rusty-brown body mottled by dark spots across the back, the species can be found in moderate- to swift-flowing, clear streams with sand and gravel bottoms. NRWs do not have lungs and require clean, flowing water with high dissolved oxygen concentrations for respiration. The NRW is endemic to the Atlantic Slope drainages of the Tar-Pamlico and Neuse River basins in North Carolina. Abundance and distribution of the species has declined and many of the remaining populations are fragmented. Primary threats to the NRW include urbanization, habitat alteration, degradation of water quality from pollutants entering streams, and climate change. More information on the NRW life history, historical and current distribution, and threats is discussed in the 2017 FEIS and Restoration BA. NRW does not occur within the SHP Restoration Project area.

The ACP Construction Project conducted surveys for NRW between 2015 and 2018. As described in the Restoration BA, adult NRW were caught at Swift Creek, Fishing Creek, and Tar River within the ACP Restoration Project action area. Presence of NRW is confirmed in Swift Creek, Fishing Creek, and the Tar River and assumed downstream of each of these occupied locations. Additionally, based on FWS recommendations, presence is assumed within Stony Creek, which supports proposed critical habitat for the NRW. Species presence is also assumed at Beaverdam Swamp due to lack of survey access, but this location contains marginally suitable habitat due to lack of clean water and the gradient required for optimal NRW habitat.

Atlantic is not proposing in-stream work at any waterbodies where NRW is confirmed or assumed present. Atlantic proposes full restoration activities within 80 feet of Beaverdam Swamp and 275 feet of Fishing Creek. The Tar River, Swift Creek, and Stony Creek are within the action area, but no restoration activities are proposed within 300 feet of these waterbodies. Atlantic is also proposing upland restoration activities adjacent to perennial tributaries to Beaverdam Swamp, Fishing Creek, and the Tar River (as listed in Attachment C of the Restoration BA). As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect the NRW is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile.

Due to the short duration of planned restoration activities, NRW exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Additionally, it is unlikely that NRW is present in Beaverdam Swamp due to low quality habitat. Based on these factors and Atlantic's proposed mitigation and conservation measures, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the NRW. The FWS concurred with this determination on December 9, 2021.

#### **NRW Critical Habitat**

Critical habitat for the Neuse River waterdog has been designated in four waterbodies (Swift Creek, Tar River, Stony Creek and Fishing Creek) that are within the action area of the ACP Restoration Project. Given the factors discussed above, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* NRW critical habitat. The FWS concurred with this determination on December 9, 2021.

#### ***4.8.1.20 Atlantic Pigtoe***

The Atlantic pigtoe is a small freshwater mussel that was listed as threatened with critical habitat designated on November 16, 2021.<sup>81</sup> The Atlantic pigtoe is approximately 2 inches in length and occurs in large rivers with high quality, fast-flowing water, and a coarse sand or gravel substrate. The abundance and distribution of the Atlantic pigtoe has declined over the past 60 years, and most remaining populations are small and fragmented. The species' widespread decline and extirpation through its range is due to impoundments, pollution, sedimentation, and invasive aquatic species. More information about this species' natural history, historical and current distribution, and threats, is discussed in the 2017 FEIS and Restoration BA. Atlantic pigtoe is not documented and suitable habitat does not occur in the SHP Restoration Project area.

Atlantic conducted surveys for Atlantic pigtoe concurrently with yellow lance for the ACP Construction Project. As described in the Restoration BA, field surveys documented the Atlantic pigtoe in three waterbodies in the ACP Restoration Project action area: Fishing Creek, Swift Creek, and the Tar River in North Carolina. Per the 2017 FEIS, presence is assumed in the action area in North Carolina in the Roanoke River and Cape Fear River. According to the

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<sup>81</sup> 86 Fed. Reg. 64000



Restoration BA, presence is also assumed within the action area in North Carolina at Beaverdam Swamp; however, the stream bed in the workspace lacks the high-water quality preferred by Atlantic pigtoe. In Virginia, Atlantic is assuming presence of Atlantic pigtoe in the Appomattox River, Mill Creek and Nottoway River.

Atlantic proposes to conduct full restoration activities within 300 feet of Beaverdam Swamp and Fishing Creek. There are no restoration activities proposed within 300 feet of Appomattox River, Mill Creek, Roanoke River, Tar River, Swift Creek, Cape Fear River, and Nottoway River. Atlantic also is proposing restoration activities within 300 feet of a number of unnamed tributaries to these waterbodies (as listed in Attachment C of the Restoration BA). Additionally, one temporary access road crosses two unnamed tributaries to the Nottoway River, which could serve as an incidental source of sedimentation into the tributary and downstream into the Nottoway River where the Atlantic pigtoe is assumed present.

As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile.

Due to the short duration of planned restoration activities, Atlantic pigtoe exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. Based on the factors discussed above and Atlantic's proposed mitigation and conservation measures, the ACP Restoration Project *may affect but is not likely to adversely affect* the Atlantic pigtoe. The FWS concurred with this determination on December 9, 2021.

#### **Atlantic Pigtoe Critical Habitat**

Critical habitat was proposed for the Atlantic pigtoe in the ACP Restoration Project action area in Swift Creek and Fishing Creek. Given the factors discussed above, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* Atlantic pigtoe critical habitat. The FWS concurred with this determination on December 9, 2021.

#### **4.8.1.21 Green Floater**

The green floater mussel was petitioned for federal listing in April 2010. The FWS determined listing may be warranted and initiated a status review in September 2011. The FWS is scheduled to determine if the green floater warrants listing under the ESA on or before September 30, 2021. No critical habitat has been proposed for this species. The green floater was not documented in the SHP Restoration Project area.

Historically, green floater habitat was widespread throughout the Atlantic slope drainages along the eastern United States, including Kentucky, Maryland, New Jersey, New York, North Carolina, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia. The green floater occupies pools and other areas with low flow within waterbodies ranging in size from small creeks to large rivers, as well as canals. It prefers gravel or sand substrates and is typically found in waters with good water quality. Threats to this species include degradation of water

quality due to run off, agriculture, competition from introduced species such as zebra mussel, and habitat alteration. More information about this species' natural history, historical and current distribution, and threats, are discussed in the 2017 FEIS and Restoration BA.

According to the Restoration BA, no green floaters were identified during field surveys in West Virginia, Virginia, or North Carolina. However, Atlantic is assuming presence within the action area in the Roanoke River, Swift Creek, and Tar River in North Carolina. Presence is also assumed at Beaverdam Swamp; however, it lacks the pools and high-water quality preferred by green floaters.

Atlantic is not proposing in-stream restoration activities at any waterbodies where green floater is assumed present. Atlantic is proposing to conduct full restoration activities within 80 feet of Beaverdam Swamp. No restoration activities are proposed within 300 feet of the Roanoke River, Swift Creek, and Tar River. Atlantic would conduct upland restoration activities adjacent to perennial unnamed tributaries to the Roanoke River, Beaverdam Swamp, and the Tar River (as listed in Attachment C of the Restoration BA). As discussed above (section 4.8.1.10), upland restoration activities may result in water quality impacts from increased TSS, sedimentation, and potential contaminants from accidental spills. A discussion of how these impacts could affect mussel species is detailed in the 2017 FEIS and Restoration BA. Atlantic would implement conservation and mitigation plans outlined in section 1.5 as well as the FWS' enhanced conservation measures at sensitive waterbodies and perennial tributaries within 1 river mile.

Due to the short duration of planned restoration activities, green floater exposure to short-term increases in TSS or sedimentation associated with upland restoration activities is expected to be minor. In addition, green floater is not likely in Beaverdam Swamp due to the low-quality habitat. Based on these factors and Atlantic's proposed mitigation and conservation measures, our determination is that the ACP Restoration Project is *not likely to jeopardize the continued existence* of the green floater. In the event that green floater becomes listed prior to completion of the project, our determination is that the ACP Restoration Project *may affect but is not likely to adversely affect* the green floater. The FWS stated in its December 9, 2021 letter that a conference is only required once a species is proposed for listing. Therefore, consultation is complete for this species.

#### **4.8.1.22 Conclusion**

Section 7 ESA consultation for the ACP Restoration Project is not complete; therefore, we recommend that:

- **Atlantic should not begin restoration activities until:**
  - a. **FERC staff completes ESA consultation with the FWS; and**
  - b. **Atlantic and has received written notification from the Director of OEP, or the Director's designee, that restoration and/or use of mitigation may begin.**

## 4.8.2 State-Protected Species

The 2017 FEIS describes potential impacts on all state-listed and other state-designated special status and sensitive species that were associated with the ACP and SHP Construction Projects.<sup>82</sup> Because the ACP and SHP Restoration Projects would be smaller in scope, we anticipate that impacts on sensitive species would be less than what is described in the 2017 FEIS. Atlantic and EGTS have agreed to implement the same general conservation measures during restoration as outlined in section 1.5. Atlantic provided an updated summary of state-protected species that could be affected by the ACP Restoration Project (table 16-1 filed in response to FERC’s June 24, 2021 data request).

EGTS has stated that all impacts associated with the SHP Restoration Project were already analyzed as a part of the restoration phase of the SHP construction project as certificated and that it would follow all conservation measures as authorized for SHP construction. These species-specific conservation measures were identified in appendices S and K of the 2017 FEIS. EGTS also stated that it would submit correspondence to the WVDNR to confirm there are no changes to current project scope, and that restoration activities have not been modified. EGTS confirmed that it would comply with all previous correspondences and agreements as specified by WVDNR.

Based on Atlantic and EGTS’ commitment to implement the conservation measures identified in the 2017 FEIS, impacts on state-protected species would be minimized. Given the limited scope and short-term duration of restoration activities and Atlantic and EGTS’ proposed impact minimization and mitigation measures, we conclude that impacts on these species would be minor and not significant.

## 4.8.3 Forest Service Sensitive Species

As discussed in the 2017 FEIS, the FS Manual 2670 requires all Forests that are part of the NFS maintain a list of plant and animal species for which population viability is a concern, evidenced by their significant current or predicted downward trends in population numbers, or density, or habitat capability that would reduce the species’ existing distribution. These species are identified by the Regional Forester and are therefore called the regional forester’s sensitive species (RFSS).

Prior to tree felling, Atlantic mapped locations of RFSS on both the GWNF and MNF lands. Table 4.8.3-1 below summarizes the RFSS identified.

<b>Table 4.8.3-1 Regional Forester’s Sensitive Species within Trees to Remain Areas on National Forest System Lands</b>	
<b>Scientific Name</b>	<b>Common Name</b>
<i>Cleidogona hoffmani</i>	Hoffman's cleidogonid millipede
<i>Heuchera alba</i>	White alumroot
<i>Hydraena maureenae</i>	Maureen's hydraenan minute moss beetle

<sup>82</sup> 2017 FEIS section 4.7.4 and Appendix S.

<b>Table 4.8.3-1 Regional Forester's Sensitive Species within Trees to Remain Areas on National Forest System Lands</b>	
<b>Scientific Name</b>	<b>Common Name</b>
<i>Nannaria shenandoa</i>	Shenandoah Mt. xystodesmid
<i>Neotoma magister</i>	Allegheny woodrat
<i>Sorex palustris punctulatus</i>	Southern water shrew
<i>Spilogale putorius</i>	Eastern spotted skunk

The FS agrees that allowing felled trees to remain on NFS lands would provide beneficial habitat for the species listed above. RFSS mammals frequently use down woody material as “runways” in the forest while foraging. Likewise, the invertebrates use the decomposing organic material for food and protection. The FS asserts, and we agree, that any RFSS plants that survived the initial cutting of trees three years ago have likely adapted to the changed conditions and are better off left undisturbed to avoid the potential of being damaged or crushed by the equipment that would be needed to remove cut timber. Therefore, we conclude that allowing the trees to remain in place would not adversely impact RFSS populations on NFS lands.

The *FS Site Assessment* documents details the FS’s plan to restore its managed lands affected by the ACP Construction Project, and includes an overview of the site assessment conducted on each National Forest by timber, silviculture, and fire resource staff along with recommendations to restore site conditions in a manner consistent with each forest plan, given the time that has passed since the trees were felled. Restoration of SHP Project workspaces would not occur on land managed by the FS; therefore, SHP is not discussed further in this section.

The FS states in its recommendations that no further monitoring or mitigation actions associated with the ACP Construction Project *Record of Decision, Special Use Permit, or Construction, Operations, and Maintenance Plan* would occur, and that Atlantic should no longer perform any activities on lands administered by FS. The FS based its recommendations that no felled trees be removed on several factors, including the length of time since the trees were cut (multiple years), the dense amount of vegetation regrowth (including many desirable hardwood species), limited extent of fuels on the ground caused by the felled trees, and limited access available for getting heavy equipment to the sites. Due to the length of time passed since felling and evidence of rot and bark deterioration, there is little merchantable value, and poor to very poor access indicates resource damage would occur if efforts were made to recover logs. The stands are expected to continue natural regeneration of tree species.

The FS recommends no rehabilitation for ground disturbance, tree stocking, or other vegetation management. The cleared corridor appears 90 to 100 percent stocked with above 13,000 stems per acre and good species diversity; shrub and herbaceous cover is robust; and wildlife habitat value is good from early succession seral and size class. The FS has determined this is enough to allow for natural regeneration of tree species to occur.

The FS also states that the corridor is ecologically viewed as an early successional habitat for the next zero to five, or more, years, and that both the MNF and GWNF need this type of

habitat on the landscape. All associated floral and faunal species have benefited from this disturbance on the landscape. Leaving trees would also have benefits related to nutrient cycling, as well as additional uptake of carbon over the coming decades of recovery. The FS also states that forest health tends to improve given more nutrients are available to the developing forest, which offsets potential impacts from insect and disease issues. Most of the forest on the MNF are in the 90- to 100-year age class, this corridor even at a small scale helps move the forest back to a natural bell curve for overall age distribution.

The FS further notes the fuel loading along the corridor, and that wildfire risk is highest in spring (before leaf on) and fall (after leaf off). This causes increased risk to wildlife, including Management Indicator Species, RFSS, and FS Locally Rare Species, as well as state and federally listed and sensitive species. However, once leaves have established on vegetation, wildfire concerns are considerably diminished due to shading created by leaves. Over time, growth of vegetation would shade fuel and reduce fire risk. Furthermore, actions to treat fuels would expose workers to difficult terrain and poor access if emergency evacuation were needed. Therefore, the FS does not recommend fuels treatments.

The FS states that observed non-native, invasive species were limited in occurrence on FS, land and any proposed treatments would have potential to cause more harm to the recovery of native vegetation. Given the level of advanced regeneration, it is likely non-native, invasive species would be outcompeted by native vegetation and not persist within the reestablished timber stands. Therefore, the FS does not recommend treatments for non-native invasive species.

With the elimination of any further activities, no ground-disturbing activities would occur on NFS lands. Therefore, no impacts would occur that could potentially impact FS sensitive species. As stated in section 4.5, the FS is a federal land managing agency with its own regulations, land management plans, and guidance that dictates how it manages NFS lands. Furthermore, with the implementation of our recommendation in section 3.1.3.2 that Atlantic leave felled trees in place; the condition of lands administered by FS would be the same as the rest of the restoration workspaces.

#### **4.9 LAND USE, SPECIAL USE AREAS, AND VISUAL RESOURCES**

As discussed in section 1.3, construction of the ACP and SHP resulted in the disturbance of approximately 3,841 acres of agricultural land, forest, developed and open land, wetlands, and open water (3,350 acres for ACP and 490.5 acres for SHP). In general, it was expected that constructing and operating the ACP and SHP would result in temporary to permanent land use impacts.<sup>83</sup> With the cancellation of the two projects, the areas disturbed by ACP and SHP construction require the completion of cleanup and restoration activities. Final cleanup (including final grading, seeding and replanting, and installation of ESC devices) would be done as required by permits, landowner requirements, and as specified in the Atlantic's and EGTS' *Restoration Plans* and the FERC *Plan and Procedures*. As part of the Restoration Projects, the lands used as temporary construction right-of-way, ATWS, temporary access roads, pipe/contractor yards, and permanent rights-of-way would be restored and generally allowed to

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<sup>83</sup> 2017 FEIS pp. 4-343 to 4-481.

revert to prior uses, although some use restrictions would remain in place within permanent easements.

The scope of the restoration activities and their effect on land use are generally consistent with those described in the 2017 FEIS, and therefore the Restoration Projects are not expected to result in any changed impacts on land use, recreation, special interest areas, or visual resources from those described in the 2017 FEIS.

#### **4.9.1 Land Use**

Prior to beginning construction activities on the ACP and SHP, Atlantic and EGTS acquired temporary construction easements, permanent easements, and property in fee to construct their projects. Temporary construction easements included those necessary for temporary workspace, temporary access roads, contractor and pipe storage yards, and staging areas. Permanent easements included a general 50-foot-wide right-of-way for installation and operation of the pipeline and mainline valves. In addition, properties were acquired in fee for the long-term operation of compressor stations, M&R stations, and communications facilities.

Atlantic and EGTS would implement their respective restoration plans on properties disturbed by original project construction activities. In addition to the *Restoration Plans*, Atlantic and EGTS would adhere to the requirements of the FERC's *Plan and Procedures*, as well as landowner agreements and Atlantic's and EGTS's related construction, restoration, and mitigation plans, as noted in section 1.5.

Apart from the Atlantic's request to use one new contractor yard (Green Waste Recycling Yard) and two new access roads, no new properties would be affected by the Restoration Projects. Upon completion of the restoration, all affected properties would be allowed to revert to their prior use, and there would be no change in land use as a result of the Restoration Project activities. There would, however, be some diminution of use in some of the affected properties as the restoration of forested areas would take many years to complete, agricultural properties may experience reduced crop yields due to changes in soil structure and drainage, and the presence of the pipeline right-of-way easement would limit certain activities within the permanent easement.

##### **4.9.1.1 Forest**

Forest land affected by the initial construction of the ACP and SHP will experience long-term impacts because of the time required to restore the woody vegetation to its pre-construction condition (at least 30 years). As discussed in 2017 FEIS section 4.8.1.1, it is expected that the reestablishment of forest areas that resemble pre-construction conditions would take at least 30 years, depending on the age of trees removed and the species of trees that are recruited or replanted. Except for limited tree clearing associated with Atlantic's proposal to remove felled timber (see sections 2.1.1.2 and 4.6.1 of this sEIS), no additional impacts on forested land would occur.

##### **4.9.1.2 Agriculture**

As initially proposed, the ACP and SHP Construction Projects would have disturbed approximately 3,450 acres of cropland including specialty crops and organic farms, and 1,098

acres of tree plantation or harvested forest areas.<sup>84</sup> In agricultural areas consisting of cultivated crops and pasture, the types of impacts that were anticipated included the short-term disruption of farming operations for the growing season during the period of construction. Drain tiles and irrigation systems may have been temporarily relocated or damaged and farmers would experience some loss of crop production in areas directly disturbed by construction-related activities. Farmers may also have to alter sowing patterns to best farm areas that may have limited access due to construction activity. Following pipeline construction, agricultural practices for cultivated crops and pastureland within the pipeline right-of-way would be allowed to resume.

Although impacts on agricultural land use (preclusion and physical impacts to the land and drain tiles and irrigation systems) from the restoration activities would generally be temporary, occurring over only one growing season, several short-term impacts including soil disturbance and compaction could occur as a result of the Restoration Projects.

The impacts anticipated for pipeline construction included soil disturbance, soil compaction, uneven grading, and settling resulting in ponding, soil mixing (soil horizons and/or rock), unsuitable drainage, and the spread or introduction of non-native plant species. Impacts on tree farms would have included the removal of trees within the construction right-of-way and at ATWS, aboveground facility sites, and new or modified access roads. However, given the reduced scope of activities of the Restoration Projects compared to the initially proposed pipeline construction and operation, we conclude that impacts on agricultural lands would be minor and less than those described in the 2017 FEIS.

## **4.9.2 Easements**

### **4.9.2.1 *Temporary Easements***

Atlantic and EGTS obtained easements and leases from landowners and land-managing agencies to construct and operate the natural gas facilities, or they acquired in fee the land on which aboveground facilities would be located. Easements were either temporary, granting the operator the use of the land during construction (e.g., for temporary workspace, access roads, yards); or permanent, granting the operator the right to operate and maintain the facilities for many years after completion of construction.

An easement agreement between a pipeline company and a private landowner typically specifies compensation for losses resulting from construction, including losses of non-renewable and other resources, damages to property during construction, and restrictions on existing uses that would not be permitted on the permanent right-of-way after construction. The easement gives the company the right to construct, operate, and maintain the pipeline, and establishes a defined permanent right-of-way. Landowners are compensated for the use of their land through the easement negotiation process or by the courts through the eminent domain process.

Table 4.9.2-1 provides a list of the number and acreage of temporary construction easements along the ACP right-of-way.

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<sup>84</sup> 2017 FEIS pp. 4-351 to 4-462.

<b>Table 4.9.2-1 ACP Project Easements</b>		
<b>Temporary Easement Type</b>	<b>Number of Easements</b>	<b>Acreage</b>
Temporary Workspace	<b>2,555</b>	<b>3,567</b>
Additional Temporary Workspace	<b>1,890</b>	<b>882</b>
Access Roads	<b>378</b>	<b>483</b>
Staging areas (CY, SY)	<b>26</b>	<b>736</b>
<b>Permanent Easements</b>	<b>Number of Easements</b>	<b>Acreage</b>
Permanent Right-of-Way Easements to be Retained	<b>2,603</b>	<b>4,290</b>

EGTS has identified that the SHP Construction Project affected 289 land tracts across the two construction spreads. Of these parcels, 81 experienced no construction activities and therefore restoration would take place on 208 parcels. SHP initially planned to use 6 contractor yards; however, only 5 were used and these would be restored and returned to their prior use in accordance with landowner agreements.

For the ACP and SHP Restoration Projects, all temporary construction easements (i.e., temporary workspace, access roads, and staging areas) would be restored, returned to the landowners in accordance with the terms of the landowner agreement, and allowed to revert to prior uses. Atlantic and EGTS have stated that the temporary construction easements would remain in place until restoration and closeout of federal, state, and local permits and post-construction monitoring periods are complete. During the restoration and monitoring periods, Atlantic and EGTS may use these temporary easements to complete restoration and to access monitoring locations. Following completion of these activities, Atlantic and EGTS have stated that the temporary easement would be relinquished to the landowner.

We received a comment requesting that Atlantic notify landowners when the temporary easement ends and how the permanent easement boundaries will be marked. The timing on the relinquishment of the temporary easements would vary depending on what activities are required to be conducted and the length of time monitoring may be needed. This period may extend between 3 to 5 years from initiation of restoration. In accordance with the individual easement agreements, Atlantic will prepare a survey of the final easement area, develop a map of the easement area, and record the map in the respective county land records.

#### **4.9.2.2 Permanent Easements**

The land obtained by Atlantic and EGTS as permanent right-of-way would generally be allowed to revert to its former use, and landowners would have use of it, except that certain activities such as the construction of permanent structures, including houses, house additions, trailers, tool sheds, garages, poles, patios, pools, mobile homes, septic tanks, or other objects not easily removable, or the planting of trees, would be prohibited within the 50-foot-wide permanent easement. Permanent easements obtained by Atlantic affect the use of 2,603 parcels along the ACP route, while EGTS obtained permanent easements on 289 parcels along the SHP route. Atlantic and EGTS claim that these permanent easements would be retained at least until restoration activities and monitoring periods are completed.



For those locations where pipe was installed, the presence of buried pipeline within the easement may further restrict the use of land. Atlantic states that at such time that restoration and monitoring is complete, they would communicate with landowners on a case-by-case basis to determine the permanent disposition of the easement. With respect to communications with landowners, Atlantic has stated that any interested party, including landowners; state, federal and local agencies; and the general public, can obtain information from the project website at [www.atlanticcoastpipeline.com](http://www.atlanticcoastpipeline.com) and that details on how to contact Atlantic Land Representatives are found there.

Atlantic states it will communicate with landowners via mail for those that have tracts where no work was completed during the Construction Project, nor any work planned under the Restoration Project. For tracts where work is planned during the Restoration Project, Atlantic, through its Land Representatives, will communicate with affected landowners in several different ways, including mail, email, phone, text message, and in-person. Notifications to landowners regarding a change in ownership of the easement or the disposition of the easement will follow the terms of individual easement agreements and will include one or more of the above noted communication methods.

Permitted uses and activities on permanent and temporary easements that landowners are allowed to carry out (or are prohibited from doing) are provided in each respective agreement. Atlantic expects landowners to abide by the terms of their individual easement agreement(s) for the effective duration of the agreement(s) which, for permanent easements, will be either in perpetuity or until the easement is released. Atlantic and the landowner could also amend the agreement to allow certain prohibited activities to occur. For temporary easements, the terms of the agreement remain in effect until restoration is complete, Erosion and Sediment Control permits are closed, and the expiration date of the agreement is reached. Atlantic states it will continue to communicate with the landowners affected by the Restoration Project activities through its Land Representatives.

Atlantic states that communications with the public are limited to the landowners through the above protocols. Atlantic will continue to communicate directly with landowners regarding the disposition of felled trees (whether to remain in place or not) and any amendments needed to their easement agreements.

We received a number of comments that the Commission should require the relinquishment of the easements held by Atlantic due to the fact that Atlantic has cancelled the ACP Pipeline Project. Atlantic has stated that as part of its ACP Restoration Project it would retain the permanent easement. Similarly, we received comments from landowners in Spreads 2 and 8 requesting that Atlantic remove pipeline installed on their property. There are 114 tracts totaling approximately 31.4 miles along the ACP route, excluding road crossings, where pipe was installed. According to Atlantic, of the 114 tracts, 14 easement agreements included language giving the landowner the option to have Atlantic remove the pipe; however, Atlantic states that all these landowners have agreed to leaving the pipeline in place. Therefore, Atlantic proposes to leave the installed pipe in place. Along the SHP route, there are 61 parcels (11.65 miles) with pipe in the ground in Spread 13 and EGTS also plans to leave the installed pipeline in place and retain the permanent easements.

While we understand there appears to be no obvious cause for Atlantic to retain an easement for disconnected segments of pipe that are not flowing gas, easements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this sEIS.

#### **4.9.2.3 Properties Acquired in Fee**

Lands acquired in fee by Atlantic and EGTS for aboveground facilities including compressor stations, M&R stations, valve sites, and communications tower sites, would be stabilized and disposed of for future use in accordance with applicable zoning requirements (see section 1.7). EGTS intends to retain a 2.0-acre parcel at the JB Tonkin Compressor Station and a 41.5-acre parcel at the Mockingbird Hill Compressor Station for future facility use.

Overall, restoration activities would generally result in temporary impacts of a more limited scope than those evaluated in the 2017 FEIS. Atlantic would use ATWS that were previously approved for the ACP Construction Project but would also require one new contractor yard (Green Waste Recycling Contractor Yard), and two new temporary access roads not previously approved to carry out its restoration activities (see section 2.1.3). Otherwise the ACP and SHP Restoration Projects would be implemented on properties disturbed by the original project construction activities. Long-term impacts would be experienced on any parcels where Atlantic or EGTS maintain permanent easement rights.

Upon completion of the restoration activities proposed by Atlantic and EGTS, all affected properties would be allowed to revert to their prior use, and there would be no change in land use from the restoration activities. There would, however, be some diminution of use on most of the affected properties as the restoration of forested areas would take many years to complete, agricultural properties may experience reduced crop yields due to changes in soil structure and drainage, and the presence of the pipeline right-of-way easement (and the buried pipeline on 175 parcels) would limit certain prescribed activities within the permanent easement.

#### **4.9.3 Special Interest Areas**

The ACP route crossed about 27.5 miles of federal, state, or municipal lands. The SHP route crossed 3.7 miles of land controlled by the State of West Virginia. Atlantic and EGTS would restore state and municipal lands in accordance with their *Restoration Plans* and landowner agreements.

The ACP construction corridor crossed approximately 5.2 miles of the MNF and approximately 16 miles of the GWNF; however, no ground-disturbing activities took place within either the MNF or GWNF. The extent of previous construction activities on the MNF and GWNF was limited to the hand felling of trees on the pipeline right of way only (no grading or excavation took place and no access roads were constructed). During that time trees were felled along approximately 4 miles of the pipeline corridor in the MNF and about 4 miles of pipeline corridor in the GWNF.

Through coordination and discussion with the FS, Atlantic proposes to leave felled trees in place on NFS lands, replace survey monuments that were removed for construction, close out the Timber Contract, and close out the Cost Recovery Agreement. This approach is consistent with the *FS Site Assessment*, as discussed in section 2.1.5. The ACP Construction Project was

also to cross about 0.1-mile of the land managed by the National Park Service. The crossing of the Appalachian National Scenic Trail and Blue Ridge Parkway was to be accomplished by horizontal directional drill, but this activity did not occur and there is no restoration required on National Park Service-managed lands. Additional discussion of lands administered by FS is in section 4.8.3.

#### **4.9.4 Visual Resources**

The Restoration Projects would involve restoring previously disturbed sites, no aboveground facility construction, and only minor additional tree clearing associated with restoring previously disturbed areas. During the period when restoration activities are being carried out, construction equipment and workers would be present on the landscape for short periods of time as grading, tree removal, planting, seeding and mulching, and cleanup activities are occurring. The Restoration Projects impacts on visual resources would be short term and reduced compared to those identified in the 2017 FEIS.

### **4.10 SOCIOECONOMICS**

#### **4.10.1 Socioeconomics**

Atlantic has identified that it would undertake the restoration activities with 2 crews of approximately 115 workers over a period of approximately 480 days (see table 2.5.1-1). One crew would conduct restoration activities between approximate MPs 1 and 217 and the second between approximate MPs 217 and 300. Atlantic states that the restoration crews would work sequentially from one work segment to the next and estimates that 50 percent of the workers would be local hires. Atlantic has estimated that the payroll for the entire restoration workforce would be about \$1,000,000 per week, and that about \$200,000 per week would be spent locally by the restoration workers over the duration of the ACP Restoration Project.

EGTS states that it would employ 10 restoration crews totaling 84 workers on average, with 100 workers during peak periods over the 6-month restoration period. EGTS estimates that between 50 to 60 percent of the workforce would be recruited from within the project area, that its workforce payroll during the restoration period would be approximately \$4,000,000 (about \$153,000 per week), and that the amount spent on local purchases for supplies, lodging, meals, travel, and taxes paid to municipalities would be \$2,000,000 during the 6-month restoration period.

The 2017 FEIS described socioeconomic conditions in the project area including population, unemployment rates, primary industries, per capita income, housing, public services, transportation and traffic, property values and insurance, tax payments, and environmental justice communities.<sup>85</sup> The 2017 FEIS also disclosed the effects of constructing and operating the pipeline on these factors and concluded that constructing and operating the pipeline would not have a significant effect on socioeconomics. Accordingly, the effects of implementing the Restoration Projects would be minor and greatly reduced compared with those described in the 2017 FEIS. The project area population base, employment levels, availability of temporary

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<sup>85</sup> 2017 FEIS pp. 4-481 to 4-515.

housing, and public services would be would experience only minor impacts from the Restoration Projects.

Traffic associated with the ACP restoration activities would involve approximately 70 roundtrips per day across the entire project area. EGTS estimates 48 daily round trips for its restoration activities in the Wetzel County, West Virginia SHP Restoration Project area. Traffic impacts associated with the Restoration Project would be minor and dispersed throughout the project areas.

#### **4.10.2 Environmental Justice**

In its comments on the draft sEIS dated September 13, 2021 (FERC eLibrary Accession No. 20210913-5210), the EPA noted that disadvantaged populations may face elevated susceptibility to impacts that may affect other populations less severely. The EPA, therefore, encouraged FERC to conduct environmental justice analyses with the most current available data and identify opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations.

As recommended by EPA, the following section identifies environmental justice communities in the area affected by the Projects, assesses the impacts of the restoration activities on these communities, and presents the minimization or mitigation measures to be used to reduce impacts on local populations. The EPA’s environmental justice policies are directed, in part, by the recent Executive Order 14008, *Tackling the Climate Crisis at Home and Abroad*, and Executive Order 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations*, as amended, which require federal agencies to consider if impacts on human health or the environment would be disproportionately high and adverse for environmental justice communities in the surrounding community resulting from the programs, policies, or activities of federal agencies. The term “environmental justice community” could encompass (i) populations of color; (ii) communities of color; (iii) Native communities; and (iv) and low-income rural and urban communities who are exposed to a disproportionate burden of the negative human health and environmental impacts of pollution or other environmental hazards.<sup>86</sup>

In this sEIS, a disproportionately high and adverse effect on an environmental justice community means the adverse effect is predominately borne by such population or is appreciably more severe or greater in magnitude on the minority or low-income population than the adverse effect suffered by the non-minority or non-low-income population. The EPA’s Federal Interagency Working Group on Environmental Justice and NEPA Committee’s publication, *Promising Practices for EJ Methodologies in NEPA Reviews* (EPA, 2016), provides methodologies for conducting environmental justice analyses. Issues considered in the evaluation of environmental justice include human health or environmental hazards; the natural physical environment; and associated social, economic, and cultural factors.

According to the CEQ’s environmental justice guidance under NEPA (CEQ, 1997) and *Promising Practices for EJ Methodologies in NEPA Reviews*, minorities are those groups that

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<sup>86</sup> Cf. Exec. Order No. 14008, § 219, 86 FR 7619, at 7629 (2021); see also EPA, *EJ 2020 Glossary* (Aug. 2, 2019), <https://www.epa.gov/environmentaljustice/ej-2020-glossary>.

include American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; or Hispanic. Following the recommendations set forth in *Promising Practices for EJ Methodologies in NEPA Reviews*, minority populations are defined in this EIS where either: (a) the minority population of the affected area exceeds 50 percent; or (b) the aggregate minority population of the affected area is meaningfully greater (10 percent greater) than the aggregate minority population percentage in the general population or other appropriate unit of geographic analysis. The guidance also directs low-income populations to be identified based on the annual statistical poverty thresholds from the U.S. Census Bureau. Low-income populations are identified as census block groups where the low-income populations are greater than or equal to that of the county. According to the current U.S. Census Bureau information, minority and low-income populations exist within the Project area, as discussed further below.

Tables 4.10.2-1 and 4.10.2-2 identify census block groups affected by the proposed ACP or SHP restoration activities where the minority populations by race and ethnicity and low-income populations exceed the thresholds identified above.<sup>87</sup> We used the EPA's *Promising Practices for EJ Methodologies in NEPA Reviews* to determine methodologies for conducting environmental justice analyses. To ensure we are using the most recent available data, we used information from the American Community Survey File# B03002 for race and ethnicity data (U.S. Census Bureau, no date (a)) and American Community Survey File # B17017 for low-income data (U.S. Census Bureau, no date (b)).

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<sup>87</sup> Census block groups are statistical divisions of census tracts that generally contain between 600 and 3,000 people (U.S. Census Bureau, 2021).

**Table 4.10.2-1  
Minority Populations by Race and Ethnicity and Low-Income Populations in the ACP Project Area**

State/County Census Tract and Block Group <sup>a</sup>	RACE AND ETHNICITY COLUMNS										LOW-INCOME COLUMN
	Population	White Alone Not Hispanic (percent)	African American (percent)	Native American/ Alaska Native (percent)	Asian (percent)	Native Hawaiian & Other Pacific Islander (percent)	Some Other Race (percent)	Two or More Races (percent)	Hispanic or Latino (percent)	Total Minority Population (percent) <sup>b</sup>	Below Poverty Level (percent) <sup>c</sup>
<b>West Virginia</b>	1,792,147	92	4	0.2	1	<0.1	0.1	2	1	8	41
Harrison County	67,908	94	2	0	1	<0.1	0.0	2	2	6	40
CT 320, BG 2	948	98	1	0	0	0	0	1	0	2	58
CT 314, BG 1	2,797	94	0	0	0	0	0	2	4	6	40
Lewis County	16,166	96	0.2	1	1	0	0	1	1	4	41
CT 9672, BG 2	631	95	5	0	0	0	0	0	0	5	42
CT 9672, BG 3	600	91	0	9	0	0	0	0	0	9	41
CT 9673, BG 1	2,187	89	0	0	2	0	0	1	8	11	37
CT 9674, BG 1	1,116	100	0	0	0	0	0	0.3	0	0	54
CT 9673, BG 2	893	100	0	0	0	0	0	0	0	0	40
CT 9673, BG 3	1,017	95	0	0	2	0	0	3	0	5	39
Upshur County	24,502	96	2	<0.1	0.2	0	<0.1	1	1	4	40
CT 9666, BG 2	1,540	100	0	0	0	0	0	0	0	0	39
CT 9666, BG 3	1,068	97	0	0	0	0	0	0	3	3	47
CT 9669, BG 3	1,627	93	0	0	0	0	0	0	7	7	36
CT 9670, BG 3	2,085	100	0	0	0	0	0	0	0.5	0	39
CT 9671, BG 3	865	97	0	0	0	0	0	2	1	3	39
CT 9671, BG 4	919	100	0	0	0	0	0	0	0	0	35
Randolph County	28,930	96	2	0.2	1	0	<0.1	0.3	1	4	38
CT 9659, BG 2	736	100	0	0	0	0	0	0	0	0	44
CT 9665, BG 1	2,063	94	5	0	0	0	0	0	1	6	20
CT 9665, BG 3	795	98	2	0	0	0	0	0	0	2	49
CT 9665, BG 4	731	100	0	0	0	0	0	0	0	0	32
Pocahontas County	8,450	98	0.4	0	0.1	0	0.2	1	1	2	42
CT 9602, BG 1	577	100	0	0	0	0	0	0	0	0	37
CT 9602, BG 3	595	99	1	0	0	0	0	0	0	1	47
CT 9601.01, BG 1	1,104	99	0	0	1	0	0	0	1	2	45

**Table 4.10.2-1  
Minority Populations by Race and Ethnicity and Low-Income Populations in the ACP Project Area**

	RACE AND ETHNICITY COLUMNS										LOW-INCOME COLUMN
<b>Virginia</b>	8,535,519	61	19	0.2	7	<0.1	0.3	3	10	39	37
Bath County	4,393	92	2	0	0.4	0	0	2	4	8	46
CT 9201, BG 2	1,269	89	2	0	0	0	0	0	8	11	43
Augusta County	74,701	91	4	0.2	1	<0.1	<0.1	1	3	9	39
CT 712, BG 3	1,007	92	3	0	5	0	0	0	0	8	41
CT 712, BG 4	722	100	0	0	0	0	0	0	0	0	50
Buckingham County	17,004	61	34	0.5	0.3	0	0	2	2	39	34
CT 9301.01, BG 2	1,070	83	12	2	2	0	0	0	0.4	17	45
CT 9302.02, BG 1	1,239	57	32	2	0	0	0	5	3	43	40
CT 9302.02, BG 2	1,827	62	31	0	0	0	0	0	7	38	36
CT 9302.02, BG 3	1,413	99	0	0	0	0	0	0	1	1	39
CT 9302.01, BG 3	1,167	90	10	0	0	0	0	0	0	10	33
Cumberland County	9,786	63	32	1	1	0	0	3	0	37	40
CT 9302, BG 2	1,806	74	9	0	0.8	0	0	11	4	26	33
CT 9301, BG 4	702	65	21	0	0	0	0	13	0	35	47
Prince Edward County	22,956	62	32	0.3	0.6	0	0	2	4	38	31
CT 9302.01, BG 1	2,693	44	29	0	1.3	0	0	2	23	56	22
CT 9301, BG 2	3,259	69	25		0	0	0	3	2	31	36
Nottoway County	15,500	54	40	0.1	0.3	0.3	0	1	4	46	36
CT 3, BG 1	1,412	86	11	0	0	0	0	0	2	14	40
CT 2, BG 1	584	58	35	0	0	0	0	6	1	42	52
CT 2, BG 2	949	77	23	0	0	0	0	0	0	23	41
Greensville County	11,659	37	59	0.1	<0.1	0	0	2	2	63	32
CT 8802, BG 2	1,340	38	56	0	0	0	0	0	6	62	46
Southampton County	17,939	61	33	0.4	0.2	0	0.2	4	2	39	36
CT 2005, BG 1	2,077	68	30	0	0	0	0	1	1	32	43
CT 2004, BG 2	2,019	84	15	1	0	0	0	0	0	16	43
CT 2004, BG 3	846	39	49	0	0	0	0	6	7	61	34
Suffolk City	89,160	49	41	0.2	2	<0.1	0.2	3	4	51	37
CT 758.02, BG 1	1,150	72	26	0	0.9	0	0	0	<0.1	28	3
CT 754.03, BG 3	604	87	13	0	0	0	0	0.5	0	13	53

**Table 4.10.2-1  
Minority Populations by Race and Ethnicity and Low-Income Populations in the ACP Project Area**

	RACE AND ETHNICITY COLUMNS										LOW-INCOME COLUMN
<i>CT 754.02, BG 3</i>	691	36	56	0	2	0	0	6	0	64	42
<b>North Carolina</b>	10,488,084	62	21	1	3	<0.1	0.2	2	10	38	39
Northampton County	19,946	39	56	3	0.3	0	0	2	2	61	43
<i>CT 9203, BG 6</i>	642	39	50	0	0	0	0	11	0	61	38
<i>CT 9203, BG 3</i>	1,061	21	76	0	2	0	0	0.4	1	79	44
<i>CT 9201, BG 4</i>	576	54	46	0	0	0	0	0	0	46	45
<i>CT 9203, BG 1</i>	1,161	12	88	0.2	0	0	0	0	0	88	51
<i>CT 9203, BG 2</i>	1,049	5	93	0	0	0	0	1	0	95	46
Halifax County	51,190	38	53	4	1	0.1	<0.1	2	3	62	41
<i>CT 9301, BG 3</i>	687	16	84	0	0	0	0	0	0	84	43
<i>CT 9301, BG 4</i>	925	29	71	0	0	0	0	0	0.2	71	47
<i>CT 9310, BG 1</i>	1,264	24	69	2	0	0	0	4	1	76	38
<i>CT 9306, BG 2</i>	1,217	75	24	1	0	0	0	0	0	25	43
<i>CT 9309, BG 1</i>	673	3	97	0	0	0	0	0	0	97	38
<i>CT 9309, BG 6</i>	981	13	87	0	0	0	0	0	0	87	39
<i>CT 9308, BG 4</i>	1,040	6	91	0	0	0	0	3	0	94	40
Nash County	94,030	50	39	1	1	<0.1	0.1	2	7	50	39
<i>CT 108, BG 1</i>	1,367	40	58	1	0	0	0	0	0	60	32
<i>CT 108, BG 2</i>	2,676	77	21	1	0	0	0	1	<0.1	23	37
<i>CT 108, BG 4</i>	1,109	80	20	0	0	0	0	0	0	20	50
<i>CT 108, BG 3</i>	2,259	93	6	0	<0.1	0	0	0	1	7	36
<i>CT 111.01, BG 2</i>	3,275	56	41	0	0	0	0	4	0	44	33
<i>CT 111.02, BG 5</i>	1,130	58	39	0	0	0	0	3	0	42	46
<i>CT 111.02, BG 4</i>	2,982	50	46	0	0	0	0	4	0	50	39
<i>CT 111.02, BG 1</i>	1,626	53	38	3	1	0	0	3	3	47	21
<i>CT 113, BG 1</i>	2,162	79	11	0	0	0	0	0	10	21	37
<i>CT 113, BG 3</i>	1,631	33	12	0.5	0	0	0	2	52	67	34
Cumberland County	332,861	43	36	1	2	0.3	0.3	5	12	57	38
<i>CT 26, BG 1</i>	1,497	69	21	3	<0.1	0	0	4	4	31	38
<i>CT 27, BG 1</i>	1,225	71	10	2	0	0.2	0	5	12	29	39
<i>CT 27, BG 2</i>	1,131	69	19	0	0	0	0	8	4	31	35



**Table 4.10.2-1  
Minority Populations by Race and Ethnicity and Low-Income Populations in the ACP Project Area**

	RACE AND ETHNICITY COLUMNS										LOW-INCOME COLUMN
<i>CT 27, BG 3</i>	3,479	66	19	0	1	0	0	3	10	34	34
<i>CT 28, BG 2</i>	1,696	63	18	3	1	0	0	3	12	37	38
<i>CT 14, BG 4</i>	1,345	46	35	1	0	0	0	10	8	54	36
<i>CT 29, BG 3</i>	547	83	6	0	0	0	0	4	7	17	44
<i>CT 29, BG 2</i>	1,077	65	29	0	0	0	0	0	5	35	45
<i>CT 29, BG 1</i>	1,243	63	31	0	0	0	0	2	4	37	37
<i>CT 30.02, BG 1</i>	2,697	69	20	3	0	0	0.9	0.4	7	31	39
<i>CT 30.01, BG 4</i>	1,932	70	12	12	0	0	0	4	2	30	35
<i>CT 30.01, BG 3</i>	4,111	60	13	8	0	0	0	3	16	40	27
Robeson County	132,596	25	24	40	0.6	<0.1	0.3	2	9	75	35
<i>CT 9601.01, BG 1</i>	3,397	32	21	11	0	0	0	2	33	68	31
<i>CT 9601.02, BG 2</i>	1,158	32	31	8	0	0	7	1	21	68	30
<i>CT 9601.02, BG 1</i>	1,519	63	22	4	0.5	0	0	3	8	37	41
<i>CT 9602.02, BG 2</i>	2,449	7	8	60	0	0	0.6	3	21	93	36
<i>CT 9601.02, BG 4</i>	1,068	38	10	32	6	0	0	1	12	62	39
<i>CT 9607.01, BG 1</i>	1,659	9	2	55	0.5	0	0	1	32	91	30
<i>CT 9607.01, BG 2</i>	2,351	9	0	62	0.3	0.5	0	1	28	91	28
<i>CT 9604.02, BG 2</i>	2,484	10	11	62	0	0.4	0	2	14	90	33
<i>CT 9604.02, BG 1</i>	1,560	8	1	88	0	0	0	1	1	92	34
<i>CT 9605.01, BG 1</i>	1,809	5	4	81	2	0	0	3	4	95	38

Source: American Community Survey, 2015-2019, File # B01017 and File # B03002

- a Includes census block groups crossed by the ACP Restoration Project.
- b Highlighted cells include block groups where the minority population percent is greater than 50 percent or is 10 percent higher than the minority population percent in the county.
- c Highlighted cells include block groups where the low-income population percent is equal to or greater than the low income population percent in the county.

**Table 4.10.2--2  
Minority Populations by Race and Ethnicity and Low-Income Populations in the SHP Project Area**

State/County/ Tract/Block Group <sup>a</sup>	RACE AND ETHNICITY COLUMNS										LOW-INCOME COLUMN
	Population	White (Not Hispanic) (percent)	Black or African American (percent)	Asian (percent)	American Indian and Alaskan Native (percent)	Native Hawaiian and Other Pacific Islander (percent)	Some other race (percent)	Two or more races (percent)	Hispanic or Latino (percent)	Total Minority (percent) <sup>b</sup>	
<b>Pennsylvania</b>	12,801,989	75.6	10.7	0.1	4	<0.1	0.2	2.0	7.8	24.4	40.0
Greene County	36,870	93.4	2.9	<0.1	0.4	0	<0.1	1.8	1.5	6.6	38.6
<i>CT 9703, BG 3</i>	1,120	99.3	0	0	0	0	0	0.7	0	0.7	41.3
<i>CT 9705.01, BG 1</i>	3,891	65.2	22.2	0.3	0.2	0	0	3.2	9.0	34.8	15.8
Westmoreland County	352,590	93.8	2.3	<0.1	0.9	<0.1	0.1	1.6	1.2	6.2	43.2
<i>CT 8020.01, BG 1</i>	1,063	88.1	5.8	0	3.6	0	0	1.1	1.4	11.9	38.9
<i>CT 8021.02, BG 2</i>	2,423	92.3	0	0	4.5	0	0	0.5	2.7	7.7	44.9
<b>West Virginia</b>	1,792,147	92.0	3.6	0.2	0.8	<0.1	0.1	1.7	1.5	8.0	40.6
Harrison County	67,908	94.2	1.5	0	0.6	<0.1	0.0	2.0	1.7	5.8	39.9
<i>CT 314, BG 1</i>	2,797	94.2	0	0	0	0	0	0.0	3.9	5.8	40.3
Doddridge County	8,560	95.2	1.5	0.5	0.5	0	0	1.7	0.6	4.8	31.4
<i>CT 9650, BG 4</i>	1,270	100.0	0	0	0	0	0	0.0	0	0	30.9
<i>CT 9650, BG 3</i>	1,400	88.4	2.1	3.2	2.4	0	0	3.2	0.6	11.6	26.5
<i>CT 9650, BG 2</i>	1,189	93.9	0	0	0	0	0	6.1	0	6.1	33.2
<i>CT 9650, BG 1</i>	739	100.0	0	0	0	0	0	0.0	0	0	37.5
Tyler County	8,811	97.5	0	0.2	0.7	0	0	0.9	<0.1	2.5	36.4
<i>CT 9620, BG 1</i>	905	99.6	0	0.4	0	0	0	0.0	0	0.4	36.2
Wetzel County	15,436	96.9	1.1	0	0	0	0.3	0.9	0.9	3.1	37.3
<i>CT 305, BG 5</i>	666	100.0	0	0	0	0	0	0.0	0	0	35.4
<i>CT 305, BG 4</i>	790	66.2	18.5	0	0	0	0	0.0	15.3	33.8	29.4
Ritchie County	9,844	96.9	<0.1	0	0	0	0.6	1.5	0.7	3.1	41.1
<i>CT 9623, BG 3</i>	1,310	95.3	0	0	0	0	4.7	0.0	0	4.7	38.2

Source: American Community Survey, 2015-2019, File # B01017 and File # B03002.

a Includes census block groups crossed by the SHP Restoration Project.

b Highlighted cells include block groups where the minority population percent is greater than 50 percent or is 10 percent higher than the minority population percent in the county.

c Highlighted cells include block groups where the low-income population percent is equal to or greater than the low-income population percent in the county.

As shown in table 4.10.2-1, 67 out of 87 (77 percent) of the census block groups where ACP restoration activities would take place are considered environmental justice communities while table 4.10.2-2 identifies that 10 of 13 (76.9 percent) census block groups affected by the SHP restoration activities are environmental justice communities as defined in the guidance. Appendix G includes figures showing locations where restoration work would take place and whether the restoration activities would occur within census block groups with environmental justice populations.

The proposed Restoration Projects consist of restoring lands that were disturbed during construction of the ACP and SHP and where final restoration was not previously completed. Restoration activities include the removal of felled trees in certain areas, installation and removal of temporary bridges or timber mats to access areas along the pipeline route, removal of any remaining construction materials, distribution of stockpiled topsoil, and final stabilization and restoration of the pipeline right-of-way or aboveground facility sites. Equipment that may be utilized could include excavators, bulldozers, water trucks, and timber industry equipment, such as feller bunchers, harvesters, forwarders, knuckle-boom loaders, chippers/grinders, and stump grinders, and graders and mulch/seed blower or hydro mulch trucks. Disturbed lands would undergo final grading, seeding, and stabilization in accordance with Atlantic's *Atlantic Coast Pipeline Disposition and Rehabilitation Plan*, EGTS' *Supply Header Restoration Plan*, and the FERC *Upland Erosion Control, Revegetation, & Maintenance Plan*.

Potential effects would be limited to landowners whose property would have active restoration activities including the removal of felled trees and where final restoration has not been previously completed. The primary impacts on the environmental justice communities would be construction-period noise, visual impacts, and air quality effects including dust and emissions from construction equipment operation. These effects would be experienced on a temporary basis, typically several days to several weeks, by residents living close to the proposed restoration areas, generally within 0.25 mile of the construction work area, with the effects diminishing with further distances from the proposed facilities. Potential environmental justice concerns are similarly not present for other resource areas such as geology, wetlands, wildlife impacts, etc., due to the minimal overall impact the Restoration Projects would have on these resources and the absence of any suggested connection between such resources and environmental justice communities.

As discussed in the 2017 FEIS, the construction work area for the ACP was as close as 15 feet to residences in Augusta, Pocahontas, Cumberland, Dinwiddie, and Southampton Counties, Virginia and as close as 16 feet in Cumberland and Robeson Counties, North Carolina and therefore, ACP restoration activities could take place in close proximity to residences.<sup>88</sup> EGTS has identified that its restoration activities would take place 40 to 1,000 feet from 7 residences within environmental justice communities in the SHP Restoration Project area.

Noise would be generated during activities for the ACP and SHP Restoration Projects. Noise levels would be highest in the immediate vicinity of construction activities and would diminish with distance from the work area. These impacts would be localized and temporary. The changing number and type of construction equipment at these sites would result in varying

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<sup>88</sup> 2017 FEIS table 4.8.3-1.

levels of noise. Restoration would generally take place between the hours of 6:00 a.m. and 6:00 p.m. Construction equipment noise levels would typically be about 85 dBA at 50 feet when equipment is operating at full load, which could be heard by people in nearby residences. Most noise from restoration activities would be localized and impacts to any discrete location would abate as the equipment moves along the right-of-way. Atlantic and EGTS would conduct their respective restoration activities during daytime hours. Based on the intermittent and limited nature of construction activities and that the expected construction would only occur during daytime hours, we conclude that restoration of the ACP and SHP disturbed areas would not significantly impact noise in the surrounding area.

Air emissions from restoration equipment and dust would also affect nearby residents. Restoration of ACP and SHP rights-of-way would result in temporary increases of pollutant emissions from the use of diesel- and gas-fueled equipment, as well as temporary increases in fugitive dust emissions from earth surface disturbance. Emissions would also be generated from vehicles associated with construction workers traveling to and from work sites. Fugitive dust would result from land clearing, grading, excavation, and vehicle traffic on paved and unpaved roads. Emissions of dust would be greater during dry periods and in areas of fine-textured soils subject to surface activity. The volume of generated fugitive dust would be dependent upon the amount of area disturbed, along with the soil's silt and moisture content, wind speed, precipitation, roadway characteristics, and the nature of vehicular/equipment traffic.

Atlantic and EGTS would implement measures from their *Fugitive Dust Control and Mitigation Plan* to limit fugitive dust emissions. Measures in this plan include, but are not limited to: application of water or other dust suppressant on unpaved roads, soil stockpiles, and bare soil workspaces; enforcing a 15 mile per hour speed limit on the right-of-way and access roads; and restoration of disturbed areas as soon as practicable after disturbance. Air emissions from the Restoration Projects, when considered with background concentrations, would be below the National Ambient Air Quality Standards, which are designated to protect public health. To mitigate exhaust emissions during construction, vehicles and equipment would use gasoline or diesel fuel compliant with current federal regulations and would be operated with required emission control devices. Atlantic and EGTS would implement and enforce idling time limits (i.e., when equipment not in use needs to be shut off and not left to run for more than a specified amount of time) and may require the use of clean diesel through add-on technologies and/or use of newer equipment depending on commercial availability. Atlantic states that the availability of appropriately sized electric construction equipment is unknown but may be considered for use where available and appropriate.

Based on the mitigation measures outlined in Atlantic's and EGTS' *Fugitive Dust Control and Mitigation Plan* and the temporary nature of the proposed activities, we conclude that restoration of ACP and SHP rights-of-way would not have significant adverse air quality impacts on local residents and the surrounding communities, including the environmental justice communities.

Visual impacts associated with the Restoration Projects would result from the removal of existing vegetation and presence of soil stockpiles within construction workspaces, and views of graders, excavators, trucks, and other equipment in the workspaces, all of which would be noticeable to landowners and nearby residents. However, the visual impacts resulting from the presence of construction equipment would be temporary, extending over a period of a few days

to several weeks. The introduction of construction equipment, materials, and exposed soil piles in flat, open terrain would temporarily disrupt near field views; however, due to the temporary nature of the work, the impact on the visual environment would be short term and not significant. Following completion of the restoration, disturbed soils would be revegetated or allowed to revert back to agricultural production. We conclude that visual impacts on environmental justice communities during restoration activities would be temporary and not significant.

As described throughout this final sEIS, the proposed Restoration Projects would not have a significant adverse impact on the environment or on individuals living in the vicinity of the project activities, including environmental justice communities. The sEIS also discussed that the Restoration Projects would result in negligible to minor negative impacts and negligible to minor positive impacts on socioeconomic characteristics and economies in the project areas. Based on our analysis in this final sEIS, we conclude that impacts on environmental justice communities would be disproportionately high and adverse, as impacts in the Project area would be predominantly borne by environmental justice communities. However, as previously described, impacts on environmental justice communities would be less than significant and mostly temporary.

Linguistically isolated households may be present in the ACP Restoration Project area. Atlantic has stated that as it makes direct contact with landowners, it would provide interpreter services to non-English speaking landowners for answering questions concerning Restoration Project activities, translating documents, and negotiating any necessary agreements on an as-needed basis. Prior to start of restoration work, Atlantic would post the approved *Disposition and Restoration Plan* on the Project website (<https://atlanticcoastpipeline.com>), and post copies at local libraries or government offices in counties where restoration work will be occurring. Contact information in Spanish would be provided on the project website. Upon request, Atlantic would translate an existing project summary. Linguistically isolated households were not identified in the SHP Restoration Project area. EGTS stated it would provide affected landowners in non-English-speaking households with bilingual notifications for restoration activities as necessary.

In its September 13, 2021 letter, the EPA also commented that FERC should perform comprehensive community outreach, and identify opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations. The section above presents our evaluation of impact minimization and mitigation measures while the following section describes the community outreach program that we carried out during the environmental review process.

FERC's communication and involvement with the surrounding communities to identify opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations has occurred throughout the environmental review process for the ACP and SHP Construction Projects, as well as the ACP and SHP Restoration Projects. Our communication and involvement program started when the Commission granted Atlantic and EGTS' (DETI at that time) request to use FERC's pre-filing process in Docket Nos. PF15-5-000 and PF15-6-000 on November 13, 2014. The pre-filing process is designed to encourage early involvement by citizens, governmental entities, non-governmental organizations, and other interested parties in the development of proposed natural gas transmission projects, prior to the filing of a formal application. During the pre-filing

process, FERC worked with Atlantic and DETI and interested stakeholders, including federal and state agencies, to identify and resolve Project-related issues. FERC participated in regular conference calls with the applicants to discuss relevant Project issues, and we encouraged the applicants to communicate frequently with the public and resource agencies throughout the pre-filing process.

Prior to and during the pre-filing and formal filing process, Atlantic and DETI contacted federal, state, and local governmental agencies to inform them about the ACP and SHP Construction Projects and discuss project-specific issues and contacted affected landowners to inform them about the projects and to obtain permission to perform environmental surveys. As part of the pre-filing process, Atlantic and DETI hosted 13 public open house meetings in the project area to inform landowners, government officials, and the public about ACP and SHP Construction Projects components and invite them to ask questions. FERC staff participated in the meetings and provided information regarding NEPA and FERC's environmental review process.

On February 27, 2015, FERC issued *Notice of Intent to Prepare an Environmental Impact Statement for the Planned Supply Header Project and Atlantic Coast Pipeline, Request for Comments on Environmental Issues, and Notice of Public Scoping Meetings*. The Notice of Intent opened a 60-day formal scoping period. In the Notice of Intent, we requested comments on potential alternatives and impacts, and any relevant information, studies, or analyses of any kind concerning impacts affecting the quality of the human environment. The notice was mailed to parties on Commission staff's environmental mailing list, which included 6,613 parties including federal and state resource agencies; elected officials; environmental groups and non-governmental organizations; Native Americans tribes; potentially affected landowners; local libraries and newspapers; and other stakeholders who had indicated an interest in the Construction Projects.

In March 2015, FERC held 10 public scoping meetings during the formal scoping period to provide the public with the opportunity to learn more about ACP and SHP Construction Projects and present oral comments on environmental issues that should have been addressed in the EIS. Approximately 1,525 people attended the public scoping meetings, including representatives from the FERC, cooperating agencies, landowners, Atlantic, and DETI.

FERC's communication and involvement with the surrounding communities continued when Atlantic and DETI filed its formal FERC applications for the Construction Projects on September 18, 2015. On October 2, 2015, FERC issued a Notice of Application that was published in the Federal Register on October 8, 2015 (80 FR 60886). On May 3, 2016, FERC issued a *Supplemental Notice of Intent to Prepare an Environmental Impact Statement and Proposed Land and Resource Plan Amendment(s) Related to New Routes and Modifications, Request for Comments on Environmental Issue Related to the New Route and Facility Modifications, and Notice of Public Scoping Meetings*, which was published in the Federal Register on May 9, 2016 (81 FR 28060). On May 20 and 21, 2016, FERC held two public scoping/comment meetings during the formal supplemental scoping period to provide the public with the opportunity to learn more about the Construction Projects and present oral comments on environmental issues that should have been addressed in the EIS.

On March 2, 2021, FERC issued a Notice of Amendment (NOA) for the Restoration Projects. The NOA explained why the amendment process was initiated and opened a formal public scoping period to gather input on the restoration activities proposed in the *ACP Disposition and Restoration Plan* and *Supply Header Restoration Plan*. FERC directed Atlantic and EGTS to provide the NOA to all affected landowners and towns; communities; and local, state, and federal governments and agencies involved in the project within 10 business days of its publication in the Federal Register. The NOA was sent to approximately 7,600 parties, based on the most up-to-date contact information available. The NOA was published in the Federal Register on March 8, 2021. Issuance of the NOA opened a 45-day scoping period for filing written comments on the Restoration Plans.

On May 4, 2021, FERC issued a *Notice of Intent to Prepare a Supplemental Environmental Impact Statement and Notice of Schedule for Environmental Review for the Proposed Atlantic Coast Pipeline Disposition and Restoration Plan and Supply Header Project Restoration Plan* (NOI/NOS). The NOI/NOS explained the supplemental NEPA process, generally described the proposed restoration activities associated with the disposition of the ACP and SHP; and asked other federal, state, and local agencies with jurisdiction and/or special expertise to cooperate with the FERC in the preparation of the sEIS. The NOI/NOS requested comments on potential alternatives and impacts, and any relevant information, studies, or analyses of any kind concerning impacts affecting the quality of the human environment. The NOI/NOS was sent to 13,345 parties, including federal, state, and local agencies; elected officials; environmental and public interest groups; Native American tribes; affected landowners; local libraries and newspapers; and other stakeholders who had previously indicated an interest in the ACP and SHP Construction Projects during the prior EIS effort under dockets CP15-554-000 and -001, and CP15-555-000.

Only July 23, 2021, the Commission issued a *Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project*. The draft sEIS was filed with the EPA, and a formal notice of availability was issued in the Federal Register on July 29, 2021, indicating that the draft sEIS was available. The notice of availability was mailed to more than 13,200 parties, including federal, state, and local government agencies; elected officials; Native American tribes; affected landowners; local libraries and newspapers; intervenors in FERC's proceeding; and other interested parties (i.e., individuals who provided scoping comments or asked to be on the mailing list).

In addition, as FERC's Office of Public Participation (OPP) is being created, there has been opportunity for the public to engage in its development and we have received many comments from individuals and organizations who have commented about FERC's need to improve its outreach to low income communities and communities of color impacted by gas infrastructure to date. As a result, OPP plans to (1) engage with the public through direct outreach and education to facilitate greater understanding of Commission processes and solicit broader participation in matters before the Commission; (2) act as a liaison to members of the public affected by and interested in Commission proceedings, by providing ongoing process information on individual proceedings and responding to requests for technical assistance; and (3) coordinate with Commission program offices to improve, or, as appropriate, make

recommendations to improve existing Commission processes in a manner responsive to public input, with the goal of ensuring processes are inclusive, fair, and easy to navigate.

Regarding future engagement and involvement, the public can contact OPP now for assistance navigating Commission proceedings of all types. Examples include questions on when and how to intervene, comment, file motions, or seek rehearing. Ongoing and additional support for engagement and public involvement will be further determined and established by the OPP Director.

## **4.11 CULTURAL RESOURCES**

### **4.11.1 Cultural Resources Investigations**

The area of potential effect for the Restoration Projects consist of those areas where Atlantic and EGTS propose to remove trees and restore the rights-of-way, facility sites, and other workspaces that were impacted by the now-cancelled Construction Projects. The areas where construction originally occurred were previously reviewed and approved by the FERC in accordance with the provisions of the Programmatic Agreement executed for the projects in January 2018. The areas were surveyed in consultation with the State Historic Preservation Offices (SHPO), participating Indian tribes, and federal land managers, where applicable.

Atlantic has identified several access roads, extra workspaces, and a contractor yard necessary for restoration/stabilization that were not previously surveyed and reviewed and approved for the ACP Construction Project. Atlantic proposes to use an access road in Highland County, Virginia (Quarry Water Source road); however, Atlantic did not file any documentation of a survey for this road. Atlantic also proposes to use an additional access road in Augusta County, Virginia, and an additional contractor yard (Green Waste Recycling) in Southampton County, Virginia. Atlantic surveyed these areas and indicated no archaeological sites were identified and recommended no architectural resources would be adversely affected by use of these areas. In a February 26, 2021 letter the Virginia SHPO concurred. We also concur.

As part of the ACP Restoration Project, Atlantic proposes to traverse a portion of archaeological site 44SK0612 to remove felled trees and restore areas adjacent to the site. The travel lane through a portion of an agricultural field would be matted with wooden mats. In a letter dated December 7, 2020, the Virginia SHPO recommended that this site would not be adversely affected by the restoration activities. We also concur.

Atlantic would also cross a portion of site 41PE0111 to remove felled trees that have been previously cut in the vicinity of the site.<sup>89</sup> The Virginia SHPO recommended that vehicular traffic would not adversely affect the site in a December 29, 2020 letter. We also concur.

In West Virginia, Atlantic surveyed additional areas of the Jackson Mill Yard in Lewis County and two additional areas of Contractor Yard 03A\_53 in Pocahontas County. No archaeological sites were identified, and no architectural properties would be affected. In a

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<sup>89</sup> As stated in Section 3.1.3.2, we are recommending that felled trees be left in place project-wide, which may minimize impacts at sites 44SK0612 and 41PE0111.



February 4, 2021 letter, the West Virginia SHPO recommended that use of the additional areas would have no effect on any historic properties, and we concur.

No additional areas have been identified in North Carolina beyond those previously reviewed and approved for construction.

No construction took place in Pennsylvania on the SHP Construction Project; therefore, no restoration is necessary and there would be effect to historic properties. No historic properties in West Virginia were adversely affected by the SHP Construction Project, therefore restoration activities would have no adverse effect on any historic properties.

#### ***4.11.1.1 Previous Investigations***

There were archaeological sites and historic structures eligible for listing in the National Register of Historic Places (NRHP) that were affected by the ACP and SHP Construction Projects for which treatment plans were prepared and implemented in whole or in part. Certain sites and properties were not affected because tree felling and construction did not occur in those areas. Appendix H outlines the sites and properties and the extent they were affected by the ACP Construction Project, how much work was done, and what work/mitigation remains to close out and stabilize the sites. Four properties require additional work that Atlantic has committed to:

- Reassemble the Palmer rock walls in Virginia and prepare a popular report of local history to be submitted to the FERC and consulting parties.
- Revegetate the relevant portion of Seneca State Forest in West Virginia near the hiker shelter, complete shelter signage, and submit documentation to the FERC and consulting parties.
- Document current conditions and restore archaeological sites 31CD2100 and 31JT423 in North Carolina and prepare reports and submit to the FERC and consulting parties. Data recovery reports for these two sites have been submitted to the SHPO and consulting parties, and were filed with the FERC on September 30, 2021.

#### **4.11.2 SHPO Consultations**

Atlantic provided the information, as shown in appendix H, to the Virginia, West Virginia, and North Carolina SHPOs in December 2020. The West Virginia and Virginia SHPOs had minor revisions, which Atlantic made. Atlantic also provided the SHPOs and the Advisory Council on Historic Preservation an opportunity to review the whole plan. None requested to review the whole plan. The North Carolina SHPO commented on the draft sEIS and concurred with FERC staff that with the recommended mitigation measures, the ACP Restoration Project as proposed would have no adverse effect on properties listed in or eligible for listing in the NRHP in North Carolina.

EGTS states that the SHP Construction Project consultations cover the restoration activities, and that no areas of additional disturbance are proposed for the Restoration Project. We concur.

### **4.11.3 Communications with Public**

We received several comments from the public regarding the Palmer rock walls. Atlantic has committed to restoring the rock walls at the same time as it restores/stabilizes that portion of the right-of-way. The popular report required by the outreach portion of the treatment plan would be provided to the consulting parties within 60 days of completion of the reassembly of the rock walls.

Peter Agelasto requested funding/mitigation for the South Rockfish Valley Historic District. However, no construction or tree felling took place within the Historic District and the ACP Construction Project caused no effect to the Historic District; therefore, no mitigation is necessary.

Landowners on Cumberland Road in Farmville, Virginia filed a comment that the ACP Construction Project destroyed a historic site; specifically, a “civil war cedar tree.” Atlantic’s consultant conducted background research and survey of the area did not identify the tree, and Atlantic’s consultant also reviewed the Virginia Department of Historic Resources database and there was no information in the database regarding the civil war cedar tree. If any information becomes available Atlantic would determine if the site is within the area of potential effect and file the result of that investigation with the Commission.

### **4.11.4 Tribal Consultations**

The FERC sent the NOI/NOS to interested parties, including the following federally recognized American Indian tribes: the Absentee-Shawnee Tribe of Oklahoma, Catawba Indian Nation, Cherokee Nation, Delaware Tribe of Indians, Delaware Nation, Eastern Band of Cherokee Indians, Eastern Shawnee Tribe of Oklahoma, Seneca Nations of Indians, Seneca-Cayuga Tribe of Oklahoma, Shawnee Tribe, Stockbridge Munsee Community, Tonawanda Band of Seneca Indians, Tuscarora Nation, the United Keetoowah Band of Cherokee Indians, the Chickahominy Indian Tribe, Nottoway Tribe of Virginia, Pamunkey Indian Tribe, Upper Mattaponi Indian Tribe, Cheroenhaka (Nottoway) Indian Tribe, Mattaponi Indian Tribe, and Monacan Indian Nation. In addition to sending the NOI/NOS by first class mail, the FERC also emailed the NOI/NOS to the tribes. FERC also sent the Notice of Availability for the draft sEIS to the same tribes. No responses have been received.

### **4.11.5 Unanticipated Discovery Plans**

As part of the ACP and SHP Construction Projects, Atlantic and EGTS submitted *Unanticipated Discovery Plans* outlining the actions they would take in the event that archaeological resources including human remains were inadvertently exposed during project construction. Atlantic submitted separate *Unanticipated Discovery Plans* for construction within federal lands. These plans were all reviewed and approved with the Construction Projects and would continue to be implemented as necessary with the Restoration Projects.

### **4.11.6 Cultural Resources on Federal Lands**

No pipeline was installed in the MNF and the GWNF, but trees were felled on 9 miles of the ACP right-of-way. No adverse effects occurred the NRHP-eligible Appalachian National Scenic Trail, Blue Ridge Parkway, or to any other historic properties as a result of the tree

falling. The FS has requested the felled trees remain in place; therefore, because there would be no tree retrieval, no adverse effect to any historic properties on federal lands would result from the Restoration Projects.

#### 4.11.7 Compliance with the National Historic Preservation Act

EGTS states that restoration of the right-of-way would take place entirely within the certificated SHP Construction Project areas. All such locations were surveyed, reviewed, and approved prior to initial construction of the SHP, with no adverse effects to any historic properties; therefore, restoration/stabilization of these areas would not have any additional effects to historic properties.

Atlantic states it has surveyed all additional areas identified to date necessary to implement the its Restoration Project; however, Atlantic did not file any documentation regarding the Quarry Water Source access road it proposes to use in Highland County, Virginia. Use of the areas Atlantic did survey would have no adverse effect on properties listed in or eligible for listing in the NRHP. Work also remains for Atlantic to complete mitigation and reporting for the archaeological sites/properties affected by construction as outlined in its stabilization/restoration plan. To ensure the FERC fulfills its obligations under section 106 of the National Historic Preservation Act **we recommend that:**

- **Atlantic should survey, evaluate, and file with the Commission, in accordance with the Programmatic Agreement executed for the project in January 2018, any additional areas identified as necessary to complete the restoration, including the Quarry Water Source access road.**

**All material filed with the Commission that contains location, character, and ownership information about cultural resources must have the cover and any relevant pages therein clearly labeled in bold lettering “CONTAINS PRIVILEGED INFORMATION – DO NOT RELEASE.”**

#### 4.12 AIR QUALITY

This section describes existing air quality; identifies equipment emissions and projected impacts on air quality; and outlines methods that would be used to achieve compliance with regulatory requirements for the ACP and SHP Restoration Projects. Under the proposed action, no operational emissions would result from either Restoration Projects.

Existing air quality in the Restoration Project areas is similar to that described in section 4.11.1 of the 2017 FEIS.<sup>90</sup> The Restoration Project areas are in attainment for all National Ambient Air Quality Standards for criteria air pollutants such as oxides of nitrogen (NO<sub>x</sub>), carbon monoxide (CO), sulfur dioxide (SO<sub>2</sub>), and inhalable particulate matter (PM<sub>2.5</sub> and PM<sub>10</sub>).

The Clean Air Act is the basic federal statute governing air pollution in the United States. We have reviewed the following federal requirements and determined that they are not applicable to the proposed actions:

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<sup>90</sup> 2017 FEIS pp. 4-545 to 4-547.

- New Source Review;
- Title V;
- National Emissions Standards for Hazardous Air Pollutants;
- New Source Performance Standards;
- Greenhouse Gas Reporting Rule; and
- General Conformity of Federal Actions.

Restoration activities would result in temporary increases of pollutant emissions from the use of diesel- and gas-fueled equipment, from clearing previously felled trees, grading of areas cleared of felled trees, felling of trees in some instances, as well as temporary increases in fugitive dust emissions from earth/roadway surface disturbance. Large equipment that is powered by diesel or gasoline engines are sources of combustion-related emissions including greenhouse gases (GHGs [as CO<sub>2</sub>e]), NO<sub>x</sub>, CO, volatile organic compounds (VOC), SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and small amounts of hazardous air pollutants such as formaldehyde.

Indirect emissions would be generated from vehicles associated with construction workers traveling to and from work sites. Fugitive dust would result from vehicle traffic on paved and unpaved roads. Emissions would be greater during dry periods and in areas of fine-textured soils subject to surface activity. The volume of fugitive dust generated would be dependent upon the area disturbed and the type of construction activity, along with the soil's silt and moisture content, wind speed, precipitation, roadway characteristics, and the nature of vehicular/equipment traffic.

Atlantic and EGTS would implement measures in their *Fugitive Dust Control and Mitigation Plan* to limit fugitive dust emissions. Measures in these plans include but are not limited to application of water or other dust suppressant on unpaved roads, soil stockpiles, and workspaces; enforcing a 15 mile per hour speed limit on the right-of-way and access roads; and restoration of disturbed areas as soon as practicable.

Fugitive particulate emissions of PM<sub>10</sub> and PM<sub>2.5</sub> were calculated using the EPA AP-42, *Compilation of Air Pollutant Emissions Factors*, recommended emission factors for heavy construction equipment, combined with estimates of the extent and duration of active surface disturbance during construction. These emission factors tend to be conservative and can overestimate potential fugitive dust generated by the projects. Combustion emissions from on-road vehicles (e.g., delivery and material removal vehicles) were estimated using the EPA Motor Vehicle Emission Simulator model, which estimates emissions for on-road and non-road vehicles and equipment. Combustion emissions from non-road construction equipment operation were estimated using emission factors generated by EPA Motor Vehicle Emission Simulator based on the anticipated types of non-road equipment and their associated levels of use. Emissions from the Restoration Projects are shown in tables 4.12-1 and 4.12-2.

Table 4.12-1 Estimated Emissions from ACP Restoration Activities								
Source	NO <sub>x</sub>	CO	VOC	SO <sub>2</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	CO <sub>2e</sub>
(total tons during restoration activities)								
<b>Construction Equipment and Open Burning</b>								
At Compressor Stations	3.5	2.2	0.5	0.004	0.4	0.4	0.3	753.5
On Pipeline Right-of-Way	2,019.5	1,908.9	397.3	2.4	287.4	284.8	278.1	436,936.4
<b>Vehicles Traffic</b>								
At Compressor Stations	0.2	2.1	0.1	0.002	0.01	0.01	0.01	253.9
On Pipeline Right-of-Way	19.5	269.4	19.8	0.3	1.0	1.0	0.5	53,429.4
<b>Fugitive Emissions</b>								
At Compressor Stations	-	-	-	-	22.4	7.6	1.3	-
On Pipeline Right-of-Way	-	-	-	-	8,044.1	3,371.1	530.7	-
Total Emissions	2,042.7	2,182.6	417.7	2.73	8,355.30	3,664.9	811.1	491,373.2

Table 4.12-2 Estimated Emissions from SHP Restoration Activities								
Source	NO <sub>x</sub>	CO	VOC	SO <sub>2</sub>	PM	PM <sub>10</sub>	PM <sub>2.5</sub>	CO <sub>2e</sub>
(total tons during restoration activities)								
<b>Construction Equipment and Open Burning</b>								
At Compressor Stations	2.7	1.8	0.43	0.003	0.29	0.29	0.28	583
On Pipeline Right-of-Way	47.8	79.1	13.7	0.06	10.7	10.6	10.4	11,119
<b>Vehicles Traffic</b>								
At Compressor Stations	0.06	0.86	0.04	0.001	0.004	0.004	0.002	93
On Pipeline Right-of-Way	1.0	14.0	1.0	0.02	0.05	0.05	0.03	2,780
<b>Fugitive Emissions</b>								
At Compressor Stations	-	-	-	-	9.1	3.2	0.54	-
On Pipeline Right-of-Way	-	-	-	-	182.5	60.4	10.7	-
Total Emissions	51.6	95.8	15.2	0.08	202.6	74.5	21.9	14,575

Overall, air quality impacts associated with both the ACP and SHP Restoration Projects would be negligible due to the limited amount of heavy equipment required and the limited duration of activities — approximately 23 months for ACP and 6 months for SHP. Atlantic indicated that for the ACP Restoration Project, approximately 20 percent of the emissions would occur in 2022 and 80 percent in 2023. EGTS indicated that for the SHP Restoration Project, all emissions would occur in the same year. In response to the EPA’s comments on the draft sEIS, Atlantic has also indicated that it would enforce idling time limits and may require the use of clean diesel through add-on technologies and/or use newer equipment, depending on commercial availability and would consider using appropriately sized electrical construction equipment where available and practical. Atlantic’s contractors would also meet current EPA construction equipment requirements.

The results of the restoration emission estimates demonstrate that the proposed action would not cause or contribute to an exceedance of the National Ambient Air Quality Standards. Also, based on the short duration of the restoration activities and our review of the estimated emissions, we conclude that neither the ACP Restoration Project nor the SHP Restoration Project would have regionally significant impacts on air quality or result in any violation of applicable ambient air quality standards.

#### **4.13 NOISE**

The noise environment would be affected by the ACP and SHP Restoration Projects. The existing noise environment and regulatory requirements for projects would be similar to that described in section 4.11.2 of the 2017 FEIS.<sup>91</sup>

Activities from the ACP and SHP Restoration Projects would affect overall noise levels in the project areas. Overall, noise impacts associated with both Restoration Project activities would not have a significant impact due to the limited amount of heavy equipment required and the limited duration of activities — approximately 23 months for ACP and 6 months for SHP. Tables 4.11.2-1 and 4.11.2-2 of the 2017 FEIS provide relative loudness levels and estimated noise levels (50 feet from the source) for typical construction equipment, respectively.<sup>92</sup>

Noise would be generated during restoration activities. Noise levels would be highest in the immediate vicinity of restoration activities and would diminish with distance from the work area. These impacts would be localized and temporary. Restoration activities associated with the projects would be performed with standard landscaping equipment such as excavators, backhoes, and dump trucks. Noise would also be generated by trucks and other light vehicles traveling in and near areas surrounding restoration.

Surface topography, vegetation cover, wind, and weather conditions would also affect the distance that restoration-related noise would extend from the workspace. Tall, dense vegetation and rolling topography typically attenuates noise when compared to less vegetated, open land. Typically, the most prevalent sound source during restoration would be the internal combustion engines used to power the construction equipment.

Noise from construction equipment would be short-term in nature and mostly limited to daytime hours. The increase in noise would only be noticeable within a short distance of the Restoration Project areas, and no impacts on residential or commercial areas are anticipated. Therefore, we do not expect any significant impacts from noise emitted during restoration activities. There would be no increase in noise after restoration activities are complete.

#### **4.14 SAFETY**

As described previously, Atlantic and EGTS would leave in place previously installed pipe. At road crossings, Atlantic would cut, fill with grout, and cap the underlying pipeline segments. For pipe it installed previously, EGTS would fill each segment with inert gas.

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<sup>91</sup> 2017 FEIS pp. 4-564 to 4-566.

<sup>92</sup> 2017 FEIS pp. 4-565 and 4-567.

Leaving non-operational pipeline in place essentially eliminates potential impacts on public safety. This pipe would not be pressurized and would not contain substances harmful to the environment.

During scoping, we received comments expressing concerns about public safety related to pipe corrosion and subsequent pipeline collapse, and subsidence over the pipe. In response to these concerns and our requests for additional environmental information, Atlantic stated that all buried pipe is coated externally with a fusion bonded epoxy (FBE). FBE protects the pipe against corrosion that could, over a prolonged period, lead to a decay of the steel and eventually lead to pipe collapse and subsequent ground subsidence. In a staff memorandum<sup>93</sup> addressing concerns with FBE, “chalky residue” raised by the States of Virginia and North Carolina on behalf of concerned citizens, we found no reason to conclude that FBE material/residue from below ground pipe would result in impacts on groundwater or other ecological receptors. Our findings were based on our independent review of a report specifically commissioned to address degradation concerns entitled *Pipe Chalking Impact Assessment* prepared by ToxStrategies, Inc. Furthermore, according to a U.S. Department of Transportation final report entitled *Pipeline Corrosion* (USDOT, 2008), external corrosion or the deterioration of a material that results from a reaction with its environment is dependent on a number of factors, including environmental moisture content, drainage, oxygen content, salinity, and soil composition (which all can vary over time). These factors individually and collectively affect types and rates of corrosion. However, because the pipe left in place contains inert materials and the pipe itself is composed primarily of iron, corrosion of the pipe would not likely provide environmental contaminants that could impact the environment. Lastly, pipe corrosion and subsequent pipe collapse are very difficult to predict. Currently, there are pipelines in the United States that have been operating for over 70 years, and there are abandoned above- and below-ground utility pipelines that date back to the late 1800s that have yet to fully collapse. Should at some point in the future, the in-place pipe collapse, some amount of subsidence may occur; however, that subsidence may not be immediately observable due to changes in landscape appearance and topography over time.

Based on our review of the proposed actions and the potential impacts on public safety as described above, we conclude that Atlantic’s and EGTS’ proposed stabilization and restoration efforts would sufficiently protect public safety, and that upon completion of these efforts, there would be minimal potential risk to public safety resulting from the in place pipe segments.

#### **4.15 CUMULATIVE IMPACTS**

We assessed the cumulative impacts for the ACP and SHP Construction Projects in section 4.13 of the 2017 FEIS.<sup>94</sup> The proposed ACP and SHP Restoration Projects have smaller project footprints than that of the Construction Projects, and their impacts on the environment would be smaller in scope and scale than what was previously analyzed. Most of the projects identified in the 2017 FEIS as potentially contributing to cumulative impacts are still relevant; however, we have also identified new projects (see tables I-1 and I-2 in appendix I) that are within the geographic and temporal scope of influence of the ACP and SHP Restoration

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<sup>93</sup> FERC eLibrary Accession No. 20201008-3001.

<sup>94</sup> 2017 FEIS pp 4-491 to 4-623.

Projects.<sup>95</sup> These new projects were not considered in the previous cumulative impacts analysis. Based on our review of these projects, they can be generally categorized into the same types of projects identified and considered in the 2017 FEIS:

1. FERC-jurisdictional natural gas interstate transportation projects;
2. nonjurisdictional oil and gas projects;
3. transportation or road projects;
4. commercial/residential/industrial and other development projects;
5. electric distribution and transmission projects;
6. solar projects; and
7. projects planned on lands administered by FS.

With the exception of four solar projects, the newly identified projects included in appendix H are minor (road maintenance and improvements, utility modifications), localized (some residential development), and similar in nature to the projects assessed in the 2017 FEIS. Contributions to cumulative impacts from the Restoration Projects would be less than the Construction Projects, in general, because restoration work would only occur in areas that were impacted by construction of the projects, and the overall work would be at a smaller scale. For the ACP, restoration work would impact 4,012 acres of workspace compared to 10,971 acres for construction; for SHP, restoration work would impact 491 acres of workspace compared to 805 acres for construction.<sup>96</sup> Therefore, based on the scope of these projects and their expected impacts on the environment, and the impacts of the Restoration Projects as described in the preceding environmental analysis, we conclude that the resulting cumulative impact would not be significant.

The new solar projects, two of which are located in Virginia and two in North Carolina, range in individual size from 120 to 1,200 acres of land and have permanently affected (or would affect) a total of over 3,000 acres of land within watersheds and geographic scopes of influence associated with the ACP Restoration Project. In preparing this analysis, we were unable to locate reports or other documentation indicating the definitive impacts of the solar projects, but using publicly available satellite imagery, we determined that the projects primarily affected lands used for agriculture and also affected forested lands. However, it is likely other environmental resources were also temporarily and permanently affected by these projects. The projects are all located less than 5 miles from the nearest work areas proposed for the ACP Restoration Project, but do not physically overlap with or are within 0.5 mile of the proposed locations.

Using the geographic scopes of influence from the 2017 FEIS, we conclude based on the proposed stabilization and restoration work for the ACP Restoration Project, and the assumed permanent impacts of the solar projects, that there would be no cumulative impacts on geology,

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<sup>95</sup> 2017 FEIS Appendix W.

<sup>96</sup> 2017 FEIS pp. 2-16 to 2-18.



soils and sediments, land use and special interest areas, visual resources, environmental justice populations, cultural resources, air quality, and noise. The Restoration Projects' contribution to climate change is further discussed below.

We also conclude based on the proposed stabilization and restoration work and the permanent impacts of the solar projects as we were able to discern them, that any cumulative impacts on water resources and wildlife and vegetation would likely be minor. Therefore, we conclude that the cumulative impacts of the new solar facilities and the ACP Restoration Project would not be significant.

### Climate Change

Commission staff define climate change as the variation in climate (including temperature, precipitation, humidity, wind, and other meteorological variables) over time, whether due to natural variability, human activities, or a combination of both, that cannot be characterized by an individual event or anomalous weather pattern. For example, a severe drought or abnormally hot summer in a particular region is not a certain indication of climate change. However, a series of severe droughts or hot summers that statistically alter the trend in average precipitation or temperature over decades may indicate climate change. Recent research has begun to attribute certain extreme weather events to climate change (U.S. Global Change Research Program [USGCRP], 2018).

The leading U.S. scientific body on climate change is the USGCRP, composed of representatives from 13 federal departments and agencies.<sup>97</sup> The Global Change Research Act of 1990 requires the USGCRP to submit a report to the President and Congress no less than every four years that “1) integrates, evaluates, and interprets the findings of the USGCRP; 2) analyzes the effects of global change on the natural environment, agriculture, energy production and use, land and water resources, transportation, human health and welfare, human social systems, and biological diversity; and 3) analyzes current trends in global change, both human-induced and natural, and projects major trends for the subsequent 25 to 100 years.” These reports describe the state of the science relating to climate change and the effects of climate change on different regions of the United States and on various societal and environmental sectors, such as water resources, agriculture, energy use, and human health.

In 2017 and 2018, the USGCRP issued its Climate Science Special Report: Fourth National Climate Assessment, Volumes I and II (Fourth Assessment Report) (USGCRP, 2017; and USGCRP, 2018, respectively). The Fourth Assessment Report states that climate change has resulted in a wide range of impacts across every region of the country. Those impacts extend beyond atmospheric climate change alone and include changes to water resources, transportation, agriculture, ecosystems, and human health. The U.S. and the world are warming; global sea level is rising and acidifying; and certain weather events are becoming more frequent and more severe. These changes are driven by accumulation of GHG in the atmosphere through

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<sup>97</sup> The USGCRP member agencies are: Department of Agriculture, Department of Commerce, Department of Defense, Department of Energy, Department of Health and Human Services, Department of the Interior, Department of State, Department of Transportation, Environmental Protection Agency, National Aeronautics and Space Administration, National Science Foundation, Smithsonian Institution, and U.S. Agency for International Development.

combustion of fossil fuels (coal, petroleum, and natural gas), combined with agriculture, clearing of forests, and other natural sources. These impacts have accelerated throughout the end of the 20th and into the 21st century (USGCRP, 2018). Since the issuance of the Climate Science Special Report: Fourth National Climate Assessment, the Intergovernmental Panel on Climate Change (IPCC) has issued a portion of the Sixth Assessment Report (AR6), Climate Change 2021: The Physical Science Basis, that describes the acceleration of impacts of GHG on the global climate (IPCC, 2021).

GHGs were identified by the EPA as pollutants in the context of climate change. GHG emissions do not result in proportional local and immediate impacts; it is the combined concentration in the atmosphere that affects the global climate system. These are fundamental global impacts that feedback to local and regional climate change impacts. Thus, the geographic scope for cumulative analysis of GHG emissions is global rather than local or regional. For example, a project 1 mile away emitting 1 ton of GHGs would contribute to climate change in a similar manner as a project 2,000 miles distant also emitting 1 ton of GHGs.

Climate change is a global concern; however, for this analysis, we focus on the potential climate change impacts in the general Restoration Projects area. The USGCRP's Fourth Assessment Report notes the following observations of environmental impacts are attributed to climate change in the Northeast region of the United States:

- annual average temperatures from 1901 to 2016 in the northeast increased about 3 °F;
- from 1958 to 2016 the northeast experienced a 55 percent increase in the amount of precipitation falling in heavy events (the greatest increase in the nation) and 5 to 20 percent increase in average winter precipitation; and
- the global sea level has risen by about 7 to 8 inches since reliable record keeping began in 1880 and is projected to rise another 1 to 4 feet by 2100.

The USGCRP's Fourth Assessment Report notes the following projections of climate change impacts in the Northeast region with a high or very high level of confidence:

- temperatures are projected to increase by 5.1 °F by the 2090s under the worst-case scenario (continually increasing emissions) and would increase by 4.0 °F if emissions were decreased;
- the number of days above 90 °F are projected to increase, resulting in major human health implications;
- higher than average sea level rise along the Northeastern coast will occur due to land subsidence;
- severe flooding due to sea level rise and heavy downpours are likely to occur more frequently;
- increased fall and winter precipitation could damage crops, and wetter springs would result in delayed planting of grain and vegetables; and

- coastal water temperatures are likely to continue warming and, along with ocean acidification, will contribute to changes in the distribution and productivity of marine species.

The USGCRP’s Fourth Assessment Report notes the following observations of environmental impacts are attributed to climate change in the Southeast region of the United States:

- The decade of 2010 through 2017 has been warmer than any previous decade since 1920 for average daily maximum and average daily minimum temperature;
- since 1960, there have been lower numbers of days above 95 °F compared to the pre-1960 period but during the 2010’s the number of nights above 75 °F has been nearly double the average over 1901 – 1960. The length of the freeze free season was 1.5 weeks longer on average in the 2010s compared to any other historical period on record;
- number of days with 3 or more inches of rain has been historically high over the past 25 years. The 1990s, 2000s and 2010s rank first, third and second, respectively in number of events; and
- summers have been either increasingly dry or extremely wet, depending on location;

The USGCRP’S Fourth Assessment Report notes the following projections of climate change impacts in the project region (Southeast U.S.) with a high or very high level of confidence (USGCRP, 2018):<sup>98</sup>

- climate models project nighttime temperatures above 75 °F and daytime maximum temperatures above 95 °F become the summer norm. Nights above 80 °F and days above 100 °F, which are now relatively rare, would become common;
- lowland coastal areas are expected to receive less rainfall on average, but experience more frequent intense rainfall events followed by longer drought periods;
- coastal areas along the Gulf of Mexico are flat; therefore, expected sea level rises may cause inundation in certain low-lying areas;
- drought and sea level rise will create stressful conditions for coastal trees that are not adapted to higher salinity levels;
- other coastal species may also be stressed by sea level rise and warmer temperatures, prompting migration out of the area; and

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<sup>98</sup> The report authors assessed current scientific understanding of climate change based on available scientific literature. Each “Key Finding” listed in the report is accompanied by a confidence statement indicating the consistency of evidence or the consistency of model projections. A high level of confidence results from “moderate evidence (several sources, some consistency, methods vary and/or documentation limited, etc.), medium consensus.” A *very* high level of confidence results from “strong evidence (established theory, multiple sources, consistent results, well documented and accepted methods, etc.), high consensus.” <https://science2017.globalchange.gov/chapter/front-matter-guide/>

- tropical storms and hurricanes may become more intense.

It should be noted that while the impacts described above taken individually may be manageable for certain communities, the impacts of compound extreme events (such as simultaneous heat and drought, or flooding associated with high precipitation on top of saturated soils) can be greater than the sum of the parts (USGCRP, 2018).

GHG emissions are discussed and quantified in section 4.12 of this EIS. Construction equipment, open burning, and vehicle traffic for the Restoration Projects are estimated to result in GHG emissions of up to about 458,988 metric tons of CO<sub>2</sub>e. There would be no operational or downstream GHG emissions associated with the Restoration Projects. The restoration activities would increase the atmospheric concentration of GHGs, in combination with past and future emissions from all other sources globally and would contribute incrementally to future climate change impacts. In order to assess impacts on climate change associated with the Restoration Projects, Commission staff considered whether it could identify discrete physical impacts resulting from the Restoration Projects' GHG emissions or compare the Restoration Projects' GHG emissions to established targets designed to combat climate change.

To date, staff has not identified a methodology to attribute discrete, quantifiable, physical effects on the environment to a project's incremental contribution to GHGs. We have looked at atmospheric modeling used by the EPA, National Aeronautics and Space Administration, the Intergovernmental Panel on Climate Change, and others, and we found that these models are not reasonable for project-level analysis for a number of reasons. For example, these global models are not suited to determine the incremental impact of individual projects, due to both scale and overwhelming complexity. We also reviewed simpler models and mathematical techniques to determine global physical effects caused by GHG emissions, such as increases in global atmospheric CO<sub>2</sub> concentrations, atmospheric forcing, or ocean CO<sub>2</sub> absorption. We could not identify a reliable, less complex model for this task, and thus staff could not determine specific localized or regional physical impacts from GHG emissions from the Restoration Projects. Without the ability to determine discrete resource impacts, Commission staff are unable to assess the Restoration Projects' contribution to climate change through any objective analysis of physical impact attributable to the Restoration Projects.

Additionally, Commission staff have not been able to find an established threshold for determining a project's significance when compared to established GHG reduction targets at the state or federal level. Should the Commission or other federal agency such as the EPA or CEQ establish a threshold for determining whether a project's impact on climate change will be significant, that threshold would be considered in Commission staff's environmental analysis. We note that there have been a series of recent administrative changes and we continue to evaluate their impact on our review process. For example, on January 20, 2021, President Biden issued the *Executive Order on Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis* (EO 13990) and on January 27, 2021, the *Executive Order on Tackling the Climate Crisis at Home and Abroad* (EO 14008). Amongst other objectives, the Executive Orders call for a net-zero emission economy and a carbon-free electricity sector. In addition, on January 20, 2021, President Biden announced that the U.S. will rejoin the Paris Climate Agreement (Agreement), enabling the U.S. to be a party to the Agreement on February 19, 2021. The Agreement aims to limit global warming to well below 2 °C, and preferably to

1.5°C, compared to preindustrial levels.<sup>99</sup> On April 20, 2021, the United States established an economywide target of reducing net GHG emissions by 50-52 percent below 2005 levels by 2030.<sup>100</sup>

In order to provide context of the Restoration Projects' emissions on a national level, we compare the Restoration Projects' GHG emissions to the total GHG emissions of the United States as a whole. At a national level, 5,769.1 million metric tons of CO<sub>2</sub>e were emitted in 2019 (inclusive of CO<sub>2</sub>e sources and sinks).<sup>101</sup> The emissions of the Restoration Projects could potentially increase CO<sub>2</sub>e emissions based on the 2019 national levels by 0.008 percent.<sup>102</sup>

To provide further context on a state level, we typically compare a project's GHG emissions to state GHG inventories. However, the estimates for construction emissions would occur in various locations across four different states (Pennsylvania, West Virginia, Virginia, and North Carolina) and we cannot provide a state-specific breakdown of the construction GHG emissions to perform this comparison. We also typically compare a project's operational and downstream emissions in the context of state GHG reduction goals; however, as the Restoration Projects would not result in any operational or downstream emissions, we do not provide further comparative analysis to state GHG reduction goals. However, we note that Virginia has as statutory target to achieve net-zero GHG emissions across all sectors by 2045, which was enacted in 2020.<sup>103</sup> North Carolina has a target to reduce GHG emissions 40% below 2005 levels by 2025, which was enacted in 2018. Pennsylvania has targets to reduce GHG emissions 26% below 2005 levels by 2025 and 80% below 2005 levels by 2050, which were enacted in 2019. We are not aware of any GHG emission targets for West Virginia.

Based on our analysis in this EIS, we are unable to assess the Restoration Projects' contribution to climate change through any objective analysis of physical impacts attributable to the Restoration Projects. Additionally, we are unaware of an established threshold for determining significance when compared to established GHG reduction targets at the state or federal level. As such, we are unable to determine significance regarding the Restoration Projects' impacts on climate change. However, we acknowledge the Restoration Projects would increase the atmospheric concentration of GHGs, in combination with past and future emissions from all other sources and would contribute to climate change.

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<sup>99</sup> Additional information is available at <https://unfccc.int/process-and-meetings/the-paris-agreement/the-paris-agreement>.

<sup>100</sup> The United States of America Nationally Determined Contribution (Apr. 20, 2021), available at <https://www4.unfccc.int/sites/ndcstaging/PublishedDocuments/United%20States%20of%20America%20Final/United%20States%20NDC%20April%202021%20Final.pdf> (accessed July 2021).

<sup>101</sup> U.S. Environmental Protection Agency, Inventory of U.S. Greenhouse Gas Emissions and Sinks 1990-2019 at ES-9 (Table ES-2) (2021), available at <https://www.epa.gov/sites/production/files/2021-04/documents/us-ghg-inventory-2021-maintext.pdf> (accessed July 2021).

<sup>102</sup> For purposes of this comparison, we assume emissions from all construction and restoration activities occur in a single calendar year. We recognize that Atlantic indicated that for the ACP Restoration Project, approximately 20 percent of the emissions would occur in 2022 and 80 percent in 2023. EGTS indicated that for the SHP Restoration Project, all emissions would occur in the same year.

<sup>103</sup> We reviewed the U.S. State Greenhouse Emission Targets site for individual state requirements at: <https://www.c2es.org/document/greenhouse-gas-emissions-targets/>

## **5.0 CONCLUSIONS AND RECOMMENDATIONS**

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### **5.1 CONCLUSIONS OF THE ENVIRONMENTAL ANALYSIS**

The conclusions and recommendations in this sEIS are those of the FERC environmental staff. Our conclusions and recommendations were developed with input from the FWS and FS, as cooperating agencies.

We determined that the ACP and SHP Restoration Projects, with the additional mitigation measures we recommended in the above analysis (and listed below), would continue to avoid or reduce impacts to less than significant levels, with the exception of climate change impacts resulting from GHG emissions. Although we acknowledge the Restoration Projects' emissions would increase the atmospheric concentration of GHGs, in combination with past and future emissions from all other sources, and would contribute to climate change, we are unable to come to a conclusion regarding the significance of the Restoration Projects' contribution to climate change.

Our determinations are based on our review of information filed by Atlantic and EGTS, and further developed from data requests, scoping, literature research, and contacts with federal agencies. As part of our review, we developed specific mitigation measures that we determined would appropriately and reasonably reduce the environmental impacts resulting from restoration activities. Therefore, we are recommending that our mitigation measures be attached as conditions to any authorization issued by the Commission.

### **5.2 FERC STAFF'S RECOMMENDED MITIGATION**

If the Commission authorizes the ACP and SHP Restoration Projects, we are recommending that the following measures be included as specific conditions in the Commission's Order. We have determined that these measures would further mitigate the environmental impacts associated with the restoration activities associated with both projects. In addition, all applicable conditions of the Commission's October 13, 2017 *Ordering Issuing Certificates* to Dockets CP15-554-000, CP15-554-001, and CP15-555-000 (not repeated here) apply to the ACP and SHP Restoration Projects.

1. Atlantic and EGTS shall follow the construction and restoration procedures and mitigation measures described in their applications and supplements (including responses to staff data requests) for the Restoration Projects as well as any remaining applicable measures identified in the 2017 FEIS, unless modified by the Order. Atlantic and EGTS must:
  - a. request any modification to these procedures, measures, or conditions in a filing with the Secretary;
  - b. justify each modification relative to site-specific conditions;
  - c. explain how that modification provides an equal or greater level of environmental protection than the original measure; and

- d. receive approval in writing from the Director of OEP, or the Director's designee, **before using that modification.**
2. The Director of OEP, or the Director's designee, has delegated authority to address any requests for approvals or authorizations necessary to carry out the conditions of the Order, and take whatever steps are necessary to ensure the protection of environmental resources during implementation of the Restoration Projects. This authority shall allow:
    - a. the modification of conditions of the Order;
    - b. stop-work authority; and
    - c. the imposition of any additional measures deemed necessary to ensure continued compliance with the intent of the conditions of the Order as well as the avoidance or mitigation of unforeseen adverse environmental impact resulting from project construction and operation.
  3. **Within 60 days of the acceptance of the authorization and before restoration activities begin,** Atlantic and EGTS shall file their respective Implementation Plans with the Secretary for review and written approval by the Director of OEP, or the Director's designee. Atlantic and EGTS must file revisions to their respective plans as schedules change. The plans shall identify:
    - a. how Atlantic/EGTS will implement the restoration procedures and mitigation measures described in its application and supplements (including responses to staff data requests), identified in the EIS, and required by the Order;
    - b. how Atlantic/EGTS will incorporate these requirements into the contract bid documents, construction contracts (especially penalty clauses and specifications), and construction drawings so that the mitigation required at each site is clear to onsite construction and inspection personnel;
    - c. the number of EIs assigned per spread, and how the company will ensure that sufficient personnel are available to implement the environmental mitigation;
    - d. company personnel, including EIs and contractors, who will receive copies of the appropriate material;
    - e. the location and dates of the environmental compliance training and instructions Atlantic/EGTS will give to all personnel involved with restoration;
    - f. the company personnel (if known) and specific portion of Atlantic/EGTS's organization having responsibility for compliance;
    - g. the procedures (including use of contract penalties) Atlantic/EGTS will follow if noncompliance occurs; and
    - h. for each discrete facility, a Gantt or PERT chart (or similar project scheduling diagram), and dates for:

- i. the completion of all required surveys and reports;
  - ii. the environmental compliance training of onsite personnel; and
  - iii. the start and completion of restoration.
4. Atlantic and EGTS must each receive written authorization from the Director of OEP, or the Director's designee, **before commencing the ACP and SHP Restoration Projects**. To obtain such authorization, Atlantic and EGTS must each file with the Secretary documentation that it has received all applicable authorizations required under federal law (or evidence of waiver thereof).
5. **Within 5 days of receipt of a water quality certification issued by the WVDEP, VDEQ, and North Carolina Department of Environmental Quality**, Atlantic shall file the complete certification, including all conditions, and all conditions attached to the water quality certification constitute mandatory conditions of this Order. **Prior to restoration activities**, Atlantic shall file, for review and written approval by the Director of OEP, or the Director's designee, any revisions to its project design necessary to comply with the water quality certification conditions.
6. **Within 5 days of the reinstatement of the Nationwide Permit 12 verification issued by the U.S. Army Corps of Engineers**, EGTS shall file the complete water quality certification issued categorically by the West Virginia Department of Environmental Protection, including all conditions, and all conditions attached to the water quality certification constitute mandatory conditions of this Order. **Prior to restoration activities**, EGTS shall file, for review and written approval by the Director of OEP, or the Director's designee, any revisions to its project design necessary to comply with the water quality certification conditions.
7. Atlantic, **shall not** process/remove the 83.2 miles of felled trees along the ACP Construction Project as proposed, and it shall leave all previously felled trees in place. Where landowners prefer removal of felled trees that were not previously cleared from the ACP Construction Project, Atlantic shall remove the felled trees from the landowner tract, and Atlantic shall file documentation with the Secretary prior to restoration activities indicating the landowners' preference for the tree removal method, the specific landowner tract location along the ACP project by station number, and then implement the landowner preference at these locations. If Atlantic believes that there are safety, landowner, or environmental concerns that have yet to be identified that would preclude the tree removal on these tracts where the landowners prefer felled tree removal, Atlantic shall file supplemental information and justification with the Secretary, and request specific approval from the Director of OEP, or the Director's designee, to leave the felled trees in place between these specific station numbers..
8. Atlantic **shall not** begin restoration activities **until**:
  - a. FERC staff completes ESA consultation with the FWS; and
  - b. Atlantic and has received written notification from the Director of OEP, or the Director's designee, that restoration and/or use of mitigation may begin.



9. Atlantic shall survey, evaluate, and file with the Commission, in accordance with the Programmatic Agreement executed for the project in January 2018, any additional areas identified as necessary to complete the restoration, including the Quarry Water Source access road.

All material filed with the Commission that contains **location, character, and ownership** information about cultural resources must have the cover and any relevant pages therein clearly labeled in bold lettering “**CONTAINS PRIVILEGED INFORMATION – DO NOT RELEASE**”.

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**APPENDIX A**

NOTICE OF AVAILABILITY OF THE  
FINAL SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT  
DISTRIBUTION LIST

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Troy Andersen, Supervisory Biologist, Virginia Ecological Field Services Office  
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Elizabeth Stout, Biologist, West Virginia Ecological Field Services Office  
Jennifer Norris, Field Supervisor, West Virginia Ecological Field Services Office  
Tiernan Lennon, West Virginia Ecological Field Services Office  
Cindy Lane, Deputy Refuge Manager, Great Dismal Swamp National Wildlife Refuge  
Chris Lowie, Refuge Manager, Great Dismal Swamp National Wildlife Refuge  
Kathy Matthews, Fish and Wildlife Biologist, Raleigh Ecological Services  
Milford Jones, Retired  
Pamela Shellenberger, Fish and Wildlife Biologist, Penn Field Office

Mike Hayden, Region 5  
Sarah McRae, North Carolina Field Services Office  
Colleen Sculley, Chief, Division of Wildlife and Sport Restoration  
Lora Zimmerman, Project Leader/Supervisor, Pennsylvania  
Melinda Turner, Fish & Wildlife Biologist, Pennsylvania  
Cindy Schulz, Virginia Field Office

Department of Homeland Security, US Customs and Border Protection  
Christopher Oh, Branch Chief

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Eric Jacobsen, Hydrologist,  
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Todd Katzner, Forest and Rangeland Ecosystem Science Center

**Federal Representatives**

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U.S. Senator Mark Warner  
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U.S. Senator Thom Tillis  
U.S. Representative Donald McEachin

U.S. Representative Ted Budd  
Legislative Director Nicole Manley

### **Indian Tribes**

Bryce Obermyer, Historic Preservation, Delaware Tribe of Indians, KS  
Richard Sneed, Principal Chief, Eastern Band of Cherokee Indians, NC  
Lynette Allston, Nottoway Indian Tribe of Virginia, VA  
Robert Gray, Chief, Pamunkey Tribe, VA  
Nathan Allison, THPO, Stockbridge Munsee Tribe, WI  
Shannon Holsey, President, Stockbridge Munsee Tribe, WI  
Michael Richardson, Chairman, Haliwa-Saponi Indian Tribe, NC  
Archie Lynch, Tribal Administrator, Haliwa-Saponi Indian Tribe, NC  
Dudley Lynch, Haliwa-Saponi Indian Tribe, NC  
Rydell Richardson, Haliwa-Saponi Indian Tribe, NC  
Bill Harris, Chief, Catawba Indian Nation, SC  
Matthew Pagels, President, Seneca Nation of Indians, NY  
Maurice John, President, Seneca Nation of Indians, NY  
Scott Abrams, Tribal Historic Preservation Officer, Seneca Nation of Indians, NY  
Steve Adkins, Chief, Chickahominy Tribe, VA  
Ammie Gordon Jacobs, Chief, Coharie Tribe, NC  
Greg Jacobs, Tribal Administrator, Coharie Tribe, NC  
Freddie Carter, Jr, Chair, Coharie Intra-Tribal Council, Inc., NC  
Eric Graham, Chairperson, Waccamaw Siouan Tribe, NC  
Paul Barton, THPO, Eastern Shawnee Tribe of Oklahoma, OK  
Darwin Hill, Chief, Section 106, Tonawanda Band of Seneca Indians of New York, NY  
Roger Hill, Chief, Tonawanda Band of Seneca Indians of New York, NY  
Harvey Godwin, Jr., Chairman, Lumbee Tribe of North Carolina, NC  
Bryan Printup, Section 106 and Projects, Tuscarora Nation of New York, NY  
Ray Halbritter, Nation Representative, Oneida Indian Nation, NY  
Chester L. Brooks Jr., Chief, Delaware Tribe of Indians, OK  
G. Anne Richardson, Chief, Rappahannock Tribe, VA  
Woodie Walker, Environmental Services, Rappahannock Tribe, VA  
Otis Martin, Chief, Sappony Tribe, VA  
Alfred Richardson, Haliwa-Saponi Tribal Council, NC  
Archie Lynch, Tribal Administrator, Haliwa-Saponi Tribal Council, NC  
Bruce Richardson, Chief, Haliwa-Saponi Tribal Council, NC  
Dudley Richardson, Haliwa-Saponi Tribal Council, NC  
Earl Evans, Haliwa-Saponi Tribal Council, NC  
Jeff Anstead, Haliwa-Saponi Tribal Council, NC  
John Lee, Haliwa-Saponi Tribal Council, NC  
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LaDonna Richardson, Haliwa-Saponi Tribal Council, NC  
Michael Richardson, Haliwa-Saponi Tribal Council, NC  
Roena Daniel, Haliwa-Saponi Tribal Council, NC  
Rydell Richardson, Haliwa-Saponi Tribal Council, NC

Gerald Stewart, Chief, Eastern Chickahominy Tribe, VA  
Tonya Tipton, Tribal Historic Preservation Officer, The Shawnee Tribe, OK  
Ben Barnes, Chief, The Shawnee Tribe, OK  
Gerald Stewart, Chief, Eastern Chickahominy Tribe, VA  
Russell Townsend, Tribal Historic Preservation Officer, Eastern Band of Cherokee Indians, NC  
Lynette Allston, Chief, Nottoway Tribe, VA  
William Tarrant, Tribal Historic Preservation Officer, Seneca-Cayuga Tribe of Oklahoma, OK  
William Fisher, Chief, Seneca-Cayuga Tribe of Oklahoma, OK  
Charles Bullock, Chief, Patawomeck Tribe, VA  
John Johnson, Governor, Absentee-Shawnee Tribe of Indians of Oklahoma, OK  
Suhaila Nease, Director of Cultural Preservation, Absentee-Shawnee Tribe of Indians of Oklahoma, OK  
Devon Frazier, THPO, Absentee-Shawnee Tribe of Indians of Oklahoma, OK  
John Raymond Johnson, Governor, Absentee-Shawnee Tribe of Indians of Oklahoma, OK  
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Mark Custalow, Chief, Mattaponi Tribe, VA  
Frank Adams, Chief, Upper Mattaponi Tribe, VA  
W. Frank Adams, Chief, Upper Mattaponi Tribe, VA  
Gregory A Richardson, North Carolina Department of Administration Commission of Indian Affairs, NC  
Charles Enyart, Chief, Eastern Shawnee Tribe of Oklahoma, MO  
Glenna J. Wallace, Chief, Eastern Shawnee Tribe of Oklahoma, MO  
BJ Howerton, Bureau of Indian Affairs, DOI, VA  
Greg Richardson, Executive Director, North Carolina Commission of Indian Affairs, NC  
Dean Branham, Chief, Monacan Indian Nation, VA  
Kenneth Branham, Tribal Chair, Monacan Nation, VA  
Robert Gray, Chief/Tribal Administrator, Pamunkey Indian Tribe, VA  
Samuel Bass, Chief, Nansemond Tribe, VA  
Monacan Indian Nation Tribal Council, VA  
Cultural Preservation Office, Delaware Nation, OK  
Deborah Dotson, President, Delaware Nation, OK  
Dr. Brucie O. Richardson, Chief, Haliwa-Saponi Indian Tribe, NC  
Dr. Freda Porter, Tribal Administrator, Lumbee Tribe of North Carolina, NC  
Elizabeth Toombs, Tribal Historic Preservation Officer, Cherokee Nation, OK  
Erin Paden, Section 106 Manager, Delaware Nation, OK  
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Joe Bunch, Chief, United Keetoowah Band of Cherokee Indians, OK  
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Richard Sneed, Tribal Historic Preservation Officer, Eastern Band of Cherokee Indians, NC  
Sarah Channing, Chief, Seneca-Cayuga Tribe of Oklahoma, OK  
Walt "Red Hawk" Brown, Chief, Cheroenhaka (Nottoway) Tribe, VA  
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#### **North Carolina Department of Agriculture and Consumer Services, Soil and Water Conservation Commission**

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#### **North Carolina Department of Environmental Quality**

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Michael Regan, Secretary  
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Tom Reader, Director  
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#### **North Carolina Department of Environmental Quality, Land and Water Fund**

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#### **North Carolina Department of Environmental Quality, Division of Air Quality**

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#### **North Carolina Department of Environmental Quality, Division of Water Resources**

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Pennsylvania Fish and Boat Commission

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Heather Smiles, Chief, Natural Gas Section

Pennsylvania Game Commission

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Pennsylvania Historical and Museum Commission

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Tom Johnson, Chairman

Seneca State Forest

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State of Ohio

Mike DeWine, Governor  
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State of Pennsylvania

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State of Virginia

Ralph Northam, Governor  
Lynn Phillips, Regional Representative  
Clark Mercer, Chief of Staff

State of West Virginia

Jim Justice, Governor  
Bob Ashley, Legislative Director  
Jason Williams, Director of Constituent Services  
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Mac Warner, Secretary of State  
Larry Malone, Director of Public Policy  
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Virginia Department of Conservation and Recreation

Sailor's Creek Battlefield  
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Tom Smith, Director, Natural Heritage Program  
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Virginia Department of Historic Resources

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Mike Santucci, Asst Dir for Forestland Consv  
Robbie Talbert, Regional Forester  
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Jeff Herholdt, Secretary of Energy

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West Virginia Geological and Economic Survey

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Joe Cochran, Stormwater Permits  
John Perkins, General Permits  
Nancy Dickson,  
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Brian Bridgewater, 401 Certification

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Director of Wildlife Management  
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Gary Foster  
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Steve Rauch  
Joe Scarberry, Director, Office of Land and Streams  
Janet Clayton, Wildlife Diversity Biologist, Mussel Program Leader  
Craig Stihler

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West Virginia Division of Forestry

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Eric Judy  
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West Virginia Division of Labor

Mitchell Woodrum, Commissioner

West Virginia Department of Health

Gary Clayton, Regional Engineer and Oil & Gas Coordinator  
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West Virginia Department of Transportation

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Gus Suwaid, Acting District Engineer, District 6

West Virginia State Historic Preservation Office

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Susan Pierce, Director

West Virginia State Rail Authority

Jim Schoonover, Vice Chairman

### WVU Extension Service

Greg Hamons, Extension Agent (ANR), Extension Instructor  
Luci Mosesso, Extension Agent (4-HY), Extension Associate Professor  
Shirley Wilkins, Extension Agent (4-HY), Extension Associate Professor

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### **County Agencies**

#### **Alleghany Highlands Economic Development Corporation**

Marla Akridge, Executive Director  
David Kleppinger, Executive Director

#### **Amherst County Chamber of Commerce**

President

#### **Appomattox Basic Economic Development**

Garet Bosiger, Chairman

#### **Augusta Cooperative Farm Bureau, Inc.**

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Kevin McLaren, General Manager  
Chris Chrisman  
John Bowers, President

Augusta County

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Doug Wolf, County Engineer  
James Benkahla, Attorney  
John Wilkinson, Community Development Director  
Marshall Pattie, Supervisor  
Sandra Bunch, Zoning Administrator  
Wendell L. Coleman, Supervisor  
Jennifer Whetzel, Finance Director  
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Douglas Shifflett, Jr, Assistant Superintendent  
Sherry Fabrizi, Real Estate Manager  
Donald Smith, Sheriff  
David Nichols, Fire Rescue Chief  
Richard Homes, Treasurer  
Timothy Fitzgerald, County Administrator  
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Amanda Glover, Economic Development Director  
Kenneth Fanfoni, Public Works Director

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Pam L. Carter, Supervisor  
Scott Seaton, Supervisor  
Steve Morelli, Supervisor

Augusta County Emergency Services Officers Association

Minday Craun, Volunteer Coordinator

Augusta County Historical Society

Nancy Sorrells

Augusta County Office of Economic Development

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Rebekah Castle, Director

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Terry Lafon, Director of Transportation

Augusta County Service Authority

Tracy Pyles, Director of Solid Waste Management  
Greg Thomasson, Director of Solid Waste Management  
Jean Marshall, Board Secretary  
Jesse Roach, Director of Construction and Field Operations  
John Sills, Attorney  
Ken Fanfoni, Executive Director  
Lisa Morrell, Engineering Administrative Specialist  
Matt Morris  
Nancy Sorrells, Board Member  
William Monroe, Director of Engineering  
Allen Dahl, Board Member  
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Garry Gordon, Vice-chairperson  
Harvey Almarode, Board Member  
James Benkahla, Attorney  
Matthew Egeli, Board Member  
Michael Shull, Board Member  
Phillip Martin, Executive Director  
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Barbour County Chamber of Commerce

Barbour County Development Authority

Bath County

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Ashton Harrison, County Administrator  
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Shelton Burns, Supervisor  
Sherry Ryder, Planning/Zoning Administrator  
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Bath County Chamber of Commerce  
Crystal Salvatore, President

Bath County Lions Club  
Dot Pozun

Bath County Planning Commission  
Cynthia Rudnick  
Jason Miller  
John Loeffler  
Lynn Black  
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Bath County Sheriff's Office and E-911  
Teresa Phillips, Emergency Communications Supervisor  
Robert W. Plecker, Sheriff

Bath County, Board of Supervisors

Botetourt County, Board of Supervisors

Brunswick County  
Meredith Sapienzo, Emergency Management Coordinator  
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Keli Reekes, Finance Director  
Alfonzo Seward, Supervisor  
Charlette Woolridge, County Administrator  
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Adam Smith, Senior Area Forester  
Alonzo Seward  
Brian Roberts, Sheriff  
Devon Clary, E911 Coordinator  
Gloria Wesson, Chair

Kimberly Martin, Cooperative Extension Agent  
Aubrey Hyde, Jr., Emergency Management Coordinator  
Buddy Hyde, Jr., Emergency Management Coordinator  
Gwendolyn McMillan, Industrial Development Authority  
Samuel Griffin, Soil and Water Conservation District Director  
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Frederick A. Harrison, Sr., Supervisor  
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Welton Tyler, Supervisor  
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Brunswick County Industrial Development Authority

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Brunswick County Soil and Water Conservation District

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Brunswick County, Board of Supervisors

Buckingham County

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Don Matthews, Supervisor  
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Karl Carter, Assistant County Administrator/Finance Director  
Nikki Edmonston, Community Planner, Zoning Administrator  
Robert Jones, Chairman  
Mike Markley, Utilities Director  
Karl Carter, Assistant County Administrator/Finance Director  
William Kidd Jr., Sheriff  
Christy Christian, Treasurer  
Rebecca Cobb, Planning Director, Zoning Administrator  
Royce Charlton, Chairman

Buckingham County Board of Supervisors

Dennis Davis Jr., Supervisor  
Donald Bryan, Supervisor  
Harry Bryant, Supervisor  
Joe Chambers Jr., Supervisor  
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Buckingham County Community Development Committee

Steve Powell

Buckingham County Farm Bureau

Ivan "Chip" Davis, President

Buckingham County Public Schools  
Theresa Bryant, Chairperson

Central Virginia Partnership for Economic Development  
Helen Cauthen, President

Chesterfield County  
Steve Elswick, Vice-Chairman

Chesterfield County Board of Supervisors

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Scott Jenkins, Sheriff  
William Martin, Director  
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Charles Evans, Commissioner  
Glenn Adams, Vice Chair  
Jeannette Council, Commissioner  
Jimmy Keefe, Commissioner  
Larry Lancaster, Commissioner  
Marshall Faircloth, Commissioner  
Toni Stewart, Commissioner  
Ennis Wright, Sheriff  
Jeffrey Brown, Director  
Amy Cannon, County Manager  
Sally Shutt, Director  
Amy Cannon, County Manager

David Meinhard, Supervisor  
J.P. Dunkin, Planning Director/Zoning Administrator  
Kevin Ingle, Vice Chairman  
Lloyd Banks, Chairman  
Parker Wheeler, Supervisor  
William Burger, Chairman  
William Osl, Jr., Supervisor  
Community Development Director  
Darrell Hodges, Sheriff  
Don Unmussig, County Administrator  
Public Works Commissioner  
Bryan Saxtan, Director of Utilities  
Chelsey White, Planner/Zoning Administrator  
L.O. Pfeiffer Jr., Treasurer  
Tom Perry, Fire Chief  
Vivian Giles, County Administrator  
Michael Boose, Commissioner  
Fred Shumaker, Economic Development Authority Chairman

Cumberland County Board of Supervisors

Brian Stanley, Chairperson  
Eurika Tyree, Vice-Chairperson  
Gene Brooks, Supervisor  
Robert Saunders Jr., Supervisor  
Ronald Tavernier, Supervisor

Cumberland County Economic Development Authority

John Lawhorne, Chair

Cumberland County Emergency Services

Gene Booth, Director

Cumberland County Farm Bureau

Mike Ransom, Agency Manager  
Richard Balitmore, President

Cumberland County High School System

Barbara Crumpler  
Christie Sanders

Cumberland County, Board of Commissioners

Cumberland County, Engineering and Infrastructure Dept

Jermaine Walker, Director

Dinwiddie County

Mark Moore, Chairman  
Robert Wilson, P.E., Executive Director  
Samuel Hayes P.E., Planning Commissioner  
Daniel Lee, Supervisor  
Camisha Brown, Executive Assistant and Clerk to the Board  
Mark Bassett, Planning Director  
Morgan Ingram, Economic Development Director  
Stephanie Wray, County Administrator's Executive Assistant  
County Administrator's Executive Assistant  
Brenda Ebron-Bonner, Vice-Chairman  
Daniel Lee, Chairman  
Denice Crowder, Emergency Communications Manager  
Harrison Moody, Supervisor  
Jennifer Perkins, Treasurer  
Kevin Massengill, County Administrator  
William Chavis, Chairman  
Denice Crowder, Emergency Communications Director  
Gene Jones, Public Works Director  
Denice Marrs, Emergency Communications Manager  
Dennis Hale, Fire and EMS Division Chief  
Duck Adams, Sheriff  
Gene Jones, Public Works Director  
Mark Bassett, Planning Director  
Michael Parrish, Cooperative Extension Agent  
Morgan Ingram, Economic Development Director  
Samuel Hayes, Planning Commissioner  
Tammie Collins, Planning and Community Services Division Chief  
Industrial Development Authority  
Anne Howerton, Finance Division Chief  
Thomas Hooker, Member  
Van Landingham, Member

Dinwiddie County Chamber of Commerce

Janet Harrison, President

Dinwiddie County Water Authority

Executive Director of Water Authority

Dinwiddie County, Board of Supervisors

Dinwiddie County, Nottoway County

Heather Dowling, Senior Area Forester

Doddridge County

Clinton Means, County Commission

George Eidel, Office of Emergency Management



Randee Britton, County Commission Assistant  
Ronnie Travis, County Commission  
Shawn Glaspell, County Commission  
Michael Headley, Sheriff  
Lorena Slater, County Clerk  
George Eidel, Office of Emergency Management/Floodplain  
Neal Romain, LEPC Chairperson  
Michael Headley, Sheriff  
Edwin Wriston

Doddridge County Economic Development Authority

Jennifer Wilt

Doddridge County Farm Bureau

James Foster, President

Doddridge County Watershed Association

Linda Ireland

Doddridge County, County Commission

Elkins-Randolph County Chamber of Commerce

Mark Doak, Director

Fauquier County

Robert Mosier, Sheriff  
Larry Miller, Director  
Holly Meade, Director  
Christopher Butler, Supervisor  
Christopher Granger, Supervisor  
Mary Leigh McDaniel, Supervisor  
Paul McCulla, County Administrator  
R. Holder Trumbo, Supervisor  
Richard Gerhardt, Supervisor

Fluvanna County Chamber of Commerce

Rudy Garcia, President

Giles County Board of Supervisors

Richard McCoy, Chair, at large supervisor

Greenbrier Valley Economic Development Corporation

Andrew Hagy, Executive Director  
Stephen Weird, Executive Director

Greene County

Betsy McClure, Commissioner  
Blair Zimmerman, Commissioner  
Mike Belding, Commissioner  
Greg Leathers, Director  
Rich Policz, Operations & Training Officer

Greene County Conservation District

Lisa Snider, Director

Greene County Farm Bureau

Harley M Gapen, President

Greene County Industrial Development Authority

Crystal Simmons, Director  
Mike Belding, Chairman

Greene County, Board of Commissioners

Greensville County

Zach Dowling, Senior Area Forester  
Bob Mitchell, President  
Jeff Rawlings, Chief  
Belinda Astrop, Vice Chairman  
Brenda Parson, County Administrator  
C. Mike Velicky, Building/Fire Official  
Gay Cifers, County Administrator  
James Parham, Jr., Chairman  
James Brown, Chairman  
James Hill, Chairman  
John "Reggie" Owens, Emergency Services Director  
K. David Whittington, County Administrator/Director  
Linwood Pope, Jr., Director  
Michael Ferguson, Vice Chairman  
Natalie Slate, Economic Development Director  
Raymond Bryant, Jr., Supervisor  
Stephen Allen, Commissioner  
Tony Conwell, Chairman  
William Cain, Supervisor  
William Jarrett, Jr., Sheriff  
Pamela Lifsey, Treasurer  
Chris Rawlings, Fire Chief

Greensville County, Board of Supervisors

Halifax County

Jeff Cline, Mayor  
Becky Spragins, Clerk of Court  
Wes Tripp, Sheriff  
Andrea Wiggins, Clerk  
Carolyn C. Johnson, Commissioner  
Glynn Rollins, County Attorney  
J. Rives Manning, Jr., Vice Chairman  
Linda Brewer, Commissioner  
Marcelle O. Smith, Commissioner  
T. Patrick Qualls, Commissioner At-Large  
Tony Brown, Manager  
Vernon J. Bryant, Commission Chair  
Phil Ricks, Emergency Services Director  
Glynn Rollins, County Attorney  
Tony Brown, Manager  
Wes Tripp, Sheriff

Halifax County Chamber of Commerce

Charles Guerry, Board Chair

Halifax County Economic Development Authority

Kathy Scott, Executive Director

Halifax County Farm Bureau

Chuck Hutaff, Agency Manager

Halifax County, Board of Commissioners

Harnett County

Steve Ward, Director  
Carl Davis  
Gina Wheeler, Clerk  
Paula Stewart, County Manager  
Clint Williams, Operations Administrator  
Wayne Coats, Sheriff  
Donna Johnson, Project Coordinator/Customer Service Rep  
Barry Blevins, Director  
Abe Elmore, Commissioner  
Barbara McKoy, Commissioner  
C. Gordan Springle, Commissioner  
Howard Penny, Jr., Commissioner  
Joe Miller, Commissioner  
Lynn Lambert, Conservation Education Coordinator  
Robert Wilson, Sheriff

Harrison County

Code Enforcement  
John Spires, County Clerk  
Robert Matheny, Sheriff  
William Parker, County Administrator  
Carrie Russell, LEPC Chairperson  
Richard Rock, Executive Director  
Laura Pysz, Director  
Charlotte Shaffer, Executive Director  
David Hinkle, Commissioner  
Joseph Romano, County Assessor  
Patsy Trecost, Commissioner  
Jamie Metz, Executive Director

Harrison County Chamber of Commerce

Ted Lopez  
Katherine Wagner, President

Harrison County Development Authority

Amy Haberbosch-Wilson, Executive Director of Economic Development

Harrison County E911 Services

Paul Bump, Director

Harrison County Economic Development Corporation

M. Hefner, Vice Chairman

Harrison County Farm Bureau

William Coffindaffer

Harrison County, County Commission

Bernie Fazzini  
Susan Thomas, President

Headwaters Soil and Water Conservation District

Richard Shiflet, Chairman  
Stephen Talley, District Director  
Charles Schooley, District Director  
Judy Burtner, District Director

Highland County

Roberta Lambert, Administrator  
Harley Gardner, Emergency Services Coordinator  
Melissa Dowd, Attorney  
David Blanchard, Supervisor  
David Neil, Sheriff  
Harry Sponaugle, Chairperson

John Moyers Jr., Supervisor  
Joshua Simmons, Building Official, Zoning Administrator  
Kevin Wagner, Supervisor  
Lois White, Treasurer  
Roberta Lambert, Administrator  
Nancy Witschey, Chairperson  
Elmer Waybright, Fire Chief

Highland County Cave Survey

Richard A Lambert

Highland County Chamber of Commerce

Josh Umar, Executive Director  
Tiffany White, Executive Director

Highland County Planning Commission

William Rich, Chairman

Highland County Volunteer Rescue Squad

Chris Vernovai, EMS Coordinator

Highland County, Board of Supervisors

Isle of Wight County

Chris Morello, Director of Economic Development  
Andrea Stalling Contz, Coordinator  
Jeff Terwilliger, Chief  
Pat Humphries, Interim Coordinator  
Amy Ring, Director/Business Development Manager  
Don Rosie, II, Vice Chairman, Board of Supervisors  
Joel Acree, Vice Chairman, Board of Supervisors  
Rachel M. Chieppa, Rural Economic Development Manager  
Richard Grice, Chairman, Board of Supervisors  
William McCarty, Chairman, Board of Supervisors  
Randy Keaton, County Administrator

Johnston County

Braston Newton, Planning and Zoning Director  
Bryant Spivey, Cooperative Extension Director  
Jocelyn Andrews, Tax Administrator  
Jordan Piper, Assistant Fire Marshal  
Kevin Hubbard, Emergency Management Director  
Sandy Wood, Emergency Management Division Chief  
Steve Bizzell, Sheriff  
Rick Hester, County Manager  
Adam Stanley, Fire Division Chief

Allen Mims, Jr., Commissioner  
Allen Wellons, Chair  
Fred J. Smith, commissioner  
Jason Barbour, Emergency 911 Communications Director  
Jeffrey Carver, Commissioner  
Joshua Holloman, Emergency Management  
Larry Wood, Commissioner  
Patrick Harris, Commissioner  
Paula Woodard, Clerk to the Board  
Randy Jones, Committee Member  
Ted Godwin, Chairman  
Tony Braswell, Commissioner  
Keith Branch, Commissioner

Johnston County Economic Development Office

Chris Johnson, Executive Director

Johnston County Commission

Chad Stewart, Chairman

Johnston County Emergency 911 Communications

Brett Renfrow, Director

Johnston County Farm Bureau

Charlie Young, Agency Manager

Johnston County Public Schools

Chase Ferrell, Transportation  
David Ross Renfrow, Superintendent

Johnston County Soil and Water Conservation

Greg Walker, District Director  
Betty Whitley, Director  
James Massey, Director

Johnston County, Board of Commissioners

King George County

Neiman Young, County Administrator

Lewis County

William Rowan, Director  
Steve Moneypenney, Floodplain Manager  
Office of Emergency Management  
Tom Fealy, Vice President  
David Gosa, Sheriff

Thomas Newbrough, President  
Cindy Whetsell, County Administrator  
Cynthia Rowan, County Clerk  
John Breen, County Assessor  
Robert Stewart III, County Commission  
Roderick B. Wyman, County Commission  
Agnes Queen, County Commission President

Lewis County Chamber of Commerce

Lewis County Economic Development Authority

Greg Stark, President  
Michael D Herron, Executive Director

Lewis County Schools

Beverly Butcher, Transportation Secretary  
Jamie Weddington, Superintendent  
Terry Cogar, Transportation Supervisor

Lewis County, County Commission

Loudoun County Chamber of Commerce

Madison County Chamber of Commerce

Tracey W. Gardner

Marion County Chamber of Commerce

Marshall County

Jan Pest, County Clerk  
County Chamber  
Thomas Hart, Office of Emergency Management  
William Helms, Jr., Sheriff  
John Gruzinkas, County Commission  
Michael Ferro, County Commission  
Scott Varner, County Commission  
Thomas Hart, OEM

Marshall County Chamber of Commerce

Scott Reager, Executive Director

Marshall County Farm Bureau

Michael Merinar, President

Marshall County, County Commission

Monongalia County

Carye Blaney, Clerk  
Jeffrey Arnett, Commissioner  
Mark Musick, Assessor  
Rennetta McClure, County Administrator  
Sean Sikora, Commissioner  
Thomas Bloom, Commissioner  
Perry Palmer, Sheriff

Mountain Soil and Water Conservation District

Ellen Ford, Board of Directors-Chairman  
James Sponaugle, Director  
Daniel Foster, Director  
Lorie Baldwin, Office Administrator

Nash County

Brent Fisher, Assistant Communications Director, Dispatch  
Brian Brantley, Emergency Management Director  
Fred Belfield, Jr., Commissioner  
J. Wayne Outlaw, Commissioner  
Jim Wrenn, Tax Director  
Lou Richardson, Commissioner  
Marvin C. Arrington, Commissioner  
Mary Wells, Commissioner  
Nancy Nixon, Planning & Inspections Department Director  
Robbie Davis, Chair  
Scott Rogers, Assistant Director, Fire Services  
Scott Strufe, EMS Director  
Sue Leggett, Commissioner  
Zee Lamb, County Manager  
Assistant Director, Fire Services  
Bryant Fisher, Assistant Communications Director  
Doris Sumner, Tax Administrator  
Janice Evans, Clerk to the Board  
Dan Cone, Commissioner  
Adam Tyson, Planning Director

Nash County Chamber of Commerce

David Farris, President/CEO  
Reuben Blackwell

Nash County Cooperative Extension

Sandy Hall, Director

Nash County Economic Development

Andy Hagy, Director



Nash County Farm Bureau

Tonja Philbeck, Agency Manager

Nash County, Board of Commissioners

Nelson County

Alphonso Taylor, Chairperson  
Angela Hicks, Treasurer  
Angela Johnson, Treasurer  
Russell Gibson, Emergency Services Coordinator  
Stephen Carter, Administrator  
Dylan Bishop, Director  
Mary Kathryn Allen, Chair  
Angela Rose, Director  
Thomas Bruguere, Jr., Supervisor  
Larry Saunders, Supervisor  
Thomas Harvey, Emergency Services Director  
David Hill, Sheriff  
Maureen Kelley, Economic Development Director  
Stephen Carter, Administrator  
Russell Gibson, Emergency Services Coordinator  
Sandy Shackelford, Director

Nelson County Economic Development Authority

Mark Robinette

Nelson County Board of Supervisors

Ernie Reed, Chairperson  
J. David Parr, Supervisor  
Jesse Rutherford, Supervisor  
Robert Barton, Supervisor

Nelson County Chamber of Commerce

Julia Rogers, President  
Greg Truslow, President

Nelson County Community Development Foundation

Margaret Clair, Director  
George Krieger, Director

Nelson County Economic Development Authority

Nelson County Historical Society

President  
William Wright

Robert Carter

Nelson County Home Builders Association

Josh Lanahan, President

Nelson County Planning Commission

Mark Stapleton, Chair

Norfolk County Historical Society of Chesapeake

Robert Hitchings, President

North Carolina Economic Development Corporation

Gary Brown, Executive Director

North Carolina SE Partnership Economic Development

Steve Yost, President

North Carolina State University Cooperative Extension

Christy Strickland, County Extension Director  
Dalton Dockery, County Extension Director  
Craig Ellison, County Extension Director  
Eileen Coite, County Extension Director  
Arthur Whitehead, Jr., County Extension Director  
Lisa Childers, County Extension Director  
Norman Harrell, Jr., County Extension Director  
Walter Earle, County Extension Director  
Charlie Tyson, County Extension Director

Northampton County

Daniel Carawan, Natural Resources Soil Conservation Specialist  
Gary Brown, Economic Development Director  
William Flynn, Planning and Zoning Director  
Charles Jackson, County Manager  
Charles Tyner, Sr., Commissioner- Chairman  
Kirk Rogers, Public Works Director  
James Brown, Public Works Director  
Roney Storey, Jr., Emergency Management Coordinator and E911 Director  
Jack E. Smith, Sheriff  
Joy Edwards, GIS Coordinator  
Kathy Butler, Tax Administrator  
Cathy Allen, Tax Administrator  
Geneva Riddick, Commissioner- Vice Chairman  
Joyce Buffaloe, Commissioner  
Kelvin Edwards, Commissioner  
Edna Johnson, Chief Tax Collector  
Nicole Boone, Commissioner

Robert Murphy, Interim County Manager  
Chuck Joyner, Emergency Medical Services Director  
Paul Nowell, Emergency Medical Services Director  
Tammie Piland, E911 Director  
Franklin Williams, Economic Development Director

Northampton County Chamber of Commerce

Judy Collier, Executive Director

Northampton County Division of Forest Resources

Rodney Black, Ranger

Northampton County Farm Bureau

John Brown, Agency Manager

Northampton County, Board of Commissioners

Northeastern North Carolina Economic Development Partnership

Vann Rogerson, Executive Director

Nottoway County

Maegan Hailey, County Planner  
C. Duncan Quicke, Chairman Planning Commission  
Gary Simmons, Supervisor  
John Prorise, Assistant County Administrator  
Robert Timberlake, Member  
Ronald Roark, County Administrator  
Economic Development Committee  
Barbara Senger, Treasurer  
Ellen Myatt, Treasurer  
Therese Abston, Cooperative Extension  
Robert Jones, Sheriff  
Kirby Woolfolk, Area Forester  
Larry Parrish, Sheriff  
Noel R. Shekleton, Supervisor

Nottoway County Board of Supervisors

Helen Simmons, Supervisor  
John Roark, Supervisor  
Lynn Shekleton  
Sherman Vaughan, Supervisor  
Stephen Bowen, Supervisor

Nottoway County Farm Bureau

Lewis Williamson, President  
President

Nottoway County Planning Council

Nottoway County Public Schools

Rodney L. Berry, Superintendent

Orange County Chamber of Commerce

Sharon Accardo, President

Pennsylvania Farm Bureau

Richard Ebert, President

Carl T. Shaffer, President

Peanut Soil and Water Conservation District

Tara Outland-Williams, Director

Brian Powell, Director

Peter Francisco Soil and Water Conservation District

Barbara Teeple, Director

Jim McDaniel, Director

Kevin Dunn, District Director

Todd Smith, District Director

David Ball, Director

Piedmont Soil and Water Conservation District

Richard Rash, District Director

Pocahontas County

Melissa Bennett, Clerk

Jessie Grosecloase, Commissioner

John Rebinski, Commissioner

Walt Helmick, Commissioner - President

David Jonese, Sheriff

Michael O'Brien, LEPC Chairperson

Shawn Dunbrack, Director

Grazia Apolinales, Water Resources Coordinator

Pocahontas County Chamber of Commerce

Mike Holstine, President

Cara Rose, CVB Representative

Pocahontas County, County Commission

Prince Edward County

Robert Love, Director of Planning and Community Development

Stanley Douglas, County Administrator

Chelsey White, Economic Development Director  
Edna T. Goldman, Commissioner of the Revenue  
John Prengman, Chair  
Robert Jones, Chairman  
Trey Pyle, Deputy Emergency Coordinator  
Wade Bartlett, County Administrator  
Katy Overby, Cooperative Extension Agent  
Gene A. Southall, Supervisor  
Jerry Townsend, Supervisor  
David Emert, Supervisor  
Odessa Pride, Supervisor  
Tony Epps, Sheriff  
Beverly Booth, Commissioner of the Revenue  
Donna Nunnally, Treasurer  
Edna Goldman, Commissioner of the Revenue  
Kate Pickett-Eggleston, Economic Development Director  
Sarah Puckett, Assistant County Administrator  
Wesley Reed, Sheriff

Prince Edward County Emergency Management

Prince Edward County, Board of Supervisors

Beverly Booth, Supervisor  
David Emert, Chairperson  
Jerry Townsend, Supervisor  
Jim Wilck, Vice Chairman  
Llewellen Gilliam Jr., Supervisor  
Odessa Pride, Vice-Chairperson  
Pattie Cooper-Jones, Chairman  
Robert Jones, Supervisor

Prince Edward County Volunteer Rescue Squad

Andrew Watters, Captain  
Brian Butler, Captain

Prince Edward County, Buckingham County

Patrick Murphy, Senior Area Forester

Prince Edward County, Virginia Cooperative Extension

Cooperative Extension Agent

Prince William County Chamber of Commerce

Brandon Shaw, Government Relations

Public Schools of Robeson County

Robert Guzman, Director of Transportation

Shanita Wooten, Interim Superintendent

Randolph County

Chris See, Commissioner  
David Kesling, Commissioner  
Kathy Weese, Administrative Assistant  
Mark Scott, Commissioner (President)  
Sherri Lewis, Personal Property Clerk  
Brooke Hinzman, Administrative Assistant  
Phyllis Yokum, Assessor  
Robert Elbon, Jr., Sheriff  
Andy Burns, Chairperson  
Cindy Hart, Office of Emergency Management  
Brenda Wiseman, Clerk  
Robby Morris, Executive Director

Randolph County Ambulance Authority

Kurt Gainer, Director

Randolph County Farm Bureau

Portia Dean, President

Randolph County Solid Waste Authority

Clark Martin, Chair

Randolph County, County Commission

Redevelopment Authority of the County of Westmoreland

Brian Lawrence, Executive Director  
Michael Wasowich, Executive Director

Regional Economic Development Partnership

Josh Jefferson, Project Coordinator

Ritchie County

Terry Snodgrass, Sheriff

Ritchie County Chamber of Commerce

Ritchie County Economic Development Authority

Steve Parks, Executive Director

Ritchie County, County Commission

Robeson County

Faline Dial, Commissioner

Jerry Stephens, Chairman  
Lance Herndon, Vice Chairman  
Raymond Cummings, Commissioner  
Tammy Freeman, County Clerk  
Carla Kinlaw, Finance Director  
Kellie Blue, County Manager  
Myron Neville, Public Works Director  
Roger Oxendine, Commissioner  
David Edge, Commissioner  
John Cummings, Commissioner  
Lance Herndon, Vice Chairman  
Myron Neville, Public Works Director  
Judy Sampson, Commissioner  
Tom Taylor, Commissioner  
Wixie Stephens, Commissioner  
Stephanie Chavis, Fire Marshal / Emergency Services Director  
Robert Armstrong, Jr., Public Works Director  
Channing Jones, Director  
Burnis Wilkins, Sheriff  
Dixon Ivey, Jr., Zoning Administrator  
Berlester Campbell, Commissioner  
Patrick Cummings, EMS Director  
Tom Taylor, Jr., Commissioner  
Pauline Campbell, Commissioner

Robeson County Farm Bureau

Matt Adams, Agency Manager

Robeson County, Commissioners

Rockbridge County

Spencer Suter, Administrator  
Chris Blalock, Sheriff  
Albert Lewis, Supervisor  
Dan Grim, GIS Coordinator  
Daniel Lyons, Supervisor  
David Hinty, Supervisor  
John Higgins, Supervisor  
R.W. Day, Supervisor  
Sam Crickenberger, Director  
Nathan Ramsey, Chief of Fire & Rescue

Rockbridge County Board of Supervisors

Daniel Lyons, Chair

Sampson County

Edwin Causey, County Manager  
Clark Wooten, Commissioner  
Harry Parker, Commissioner  
John Swope, Executive Director  
Lethia Lee, Commissioner  
Stephen, Executive Director  
Sue Lee, Commissioner  
Susan Holder, Assistant County Manager  
Thaddeus Godwin, Commissioner  
Jimmy Thornton, Sheriff  
Erick Herring, EMS Chief/Rescue  
Ronald Bass, Director  
Jerol Kivett, Commissioner

Sampson County Farm Bureau

Chris Warren, Agency Manager

Sampson County Schools

Eric Bracy, Superintendent  
Vicki Westbrook, Director of Transportation

Sampson County, Board of Commissioners

Shenandoah Valley Economic Development Partnership

Jay Langston, Executive Director

Soil and Water Conservation District

Susan Woodard  
Alan David, Director

Southampton County

Dallas Jones, Chairman  
Ashley Cotton, Business Manager  
Ashley Covington, Interim President and CEO  
C. Harrell Turner, Franklin Southampton Economic Development, Inc Board of Directors  
Chairman  
Michael Drake, Chairman  
Alan Edwards, Supervisor  
Amy Carr, Commissioner of the Revenue  
Michael Johnson, County Administrator/Director  
Rhonda Griffin, Treasurer  
Beth Lewis, Community Development Director  
John B. (Jack) Stutts, Sheriff  
Josh Wyche Sr., Sheriff  
Barry Porter, Supervisor  
Neal Clark, Agent



Carl Faison, Supervisor  
Marvin Everett, Jr., District Director  
S. Bruce Phillips, Supervisor  
Marvin Everett, Jr., District Director  
Ronald West, Vice Chairman  
Cynthia Edwards, Treasurer  
Hart Council, Public Works Director  
Lynette Lowe, Chief Finance Officer  
Michael Johnson, County Administrator/Director  
Christopher Cornwell Sr., Supervisor  
Josh Wyche Sr., Sheriff  
Lynda Updike, Supervisor  
Robert White, Supervisor  
William Hart Gillette, Vice-Chairman

Southampton County Farm Bureau  
Gary Cross, President

Southampton County Fire and Rescue Association  
Carl Garner, President

Southampton County Public Schools  
Gwendolyn P. Shannon, Division Superintendent

Southampton County, Board of Supervisors

Thomas Jefferson Soil and Water Conservation District  
Brian Wagner  
Anne Coates, District Manager  
Mark Campbell, Director  
David Collins, Director  
Alyson Sappington

Tyler County  
Brian Weigle, Sheriff  
Neil Archer, County Clerk  
Tom Cooper, Office of Emergency Management

Tyler County Commission  
Eric H Vincent, President  
John Stender, County Commission  
Michael Smith, County Commission

Tyler County Development Authority  
Executive Director

Tyler County Farm Bureau  
David Ash, President

Upshur County  
Kristie Tenney, Commissioner  
Samuel Nolte, Commissioner (President)  
Terry Cutright, Commissioner  
Robbie Skinner III, Mayor  
Carol Smith, Clerk  
Dustin Zickefoose, Assessor  
David Coffman, Sheriff  
Terri Jo Bennett, Building Permit Officer  
Virgil Miller, Sheriff  
Brian Shreves, OEM Director  
Doyle Cutright, Director

Upshur County Chamber of Commerce  
Tammy Reger, Director

Upshur County Commission  
Carrie L. Wallace, County Administrator  
Terri Jo Bennett, Addressing and Mapping, Building Permit and Floodplain Coordinator

Upshur County Development Authority  
Robert Hinton, Executive Director

Upshur County Emergency Management  
Brian Shreves, Director

Upshur County Emergency Squad  
Rebecca Phillips, Manager

Upshur County Farm Bureau  
Jim Mitchell, President

Upshur County Historical Society

Upshur County Schools  
Roy Wager, Superintendent  
Debbie Poling, Transportation Secretary  
Sarah Stankus, Superintendent

Virginia Cooperative Extension  
Kari Sponaugle, Unit Coordinator  
Rodney Leech, Unit Coordinator  
Ruth Wallace, Unit Coordinator

Terry Abston, Unit Coordinator  
Neil Clark, Unit Coordinator  
Linda Eanes, Unit Coordinator  
Mike Parrish, Unit Coordinator  
Matt Boher, Unit Coordinator  
Hannah Parker, Unit Coordinator  
Amy Hawkins, Unit Coordinator  
Cynthia Gregg, Unit Coordinator  
Jinx Baney, Unit Coordinator  
Jennifer Bowen, Unit Coordinator  
Corissa Vanden Hoek, Extension Agent Agriculture and Natural Resources, Horticulture

Virginia Dare Soil and Water Conservation District

Collie Brickhouse, Jr., District Director  
John Pierce, District Director  
Vickie Greene, District Director

Virginia Economic Developers Association (VEDA)

Connie Long, Executive Director

Virginia's Gateway Region Economic Development Organization

Renee Chapline

Webster County Economic Development Authority

Geary Weir, Executive Director

West Virginia Farm Bureau

Charles Wilfong, President

Westmoreland Conservation District

Kathy Fritz, Secretary, Contact  
Chris Droste, Senior Erosion Control Specialist  
Kim Edward Miller, Secretary  
Rob Cronauer, Watershed Specialist  
Ron Rohall, Board Chairman

Westmoreland County

Chris Tantlinger, Deputy Emergency Management Coordinator  
Gene Good, Strategic Planning / Grants Coordinator  
Douglas Chew, Commissioner  
Gina Cerilli, Commissioner  
Sean Kertes, Commissioner

Westmoreland County Chamber of Commerce

Chad Amond, President

Westmoreland County Farm Bureau  
Gretchen Winklosky, President

Westmoreland County, Board of Commissioners

Wetzel County

Michael Koontz, Sheriff  
Carol Haught, County Clerk  
Greg Morris, County Commission  
H. Richard Kernan, President  
Steve Yoho, Director/LEPC President  
Cody Elliott  
Dave Howell  
Dustin Bickerstaff  
Eric Daugherty  
Jason Daniels  
Jordan Swanburg  
Mike Neff  
Rob Hayes  
Roger Spragg  
Gregory Campbell, Commissioner  
Larry Lemon, President  
Robert Matt

Wetzel County Chamber of Commerce  
Don Riegenbach, President

Wetzel County Farm Bureau  
Bob Yeager, President

Wetzel County Regional Economic Development  
Josh Jefferson, Project Coordinator

Wetzel County Schools  
Brian Jones, Director/Coordinator  
Edward Toman, Superintendent

Wetzel County, County Commission  
Lawrence Lemon, President  
Lisa Heasley, Vice-President

Wetzel Tyler Health Department  
Karen Cain

Wilson County  
Jennifer Lantz, Director

Angel Landrau, Financial Services Director  
Bill Blackman, Commissioner  
Chris Hill, Commissioner  
JoAnne Daniels, Commissioner  
Leslie Atkinson, Vice Chairman  
Rob Boyette, Commissioner  
Roger Lucas, Commissioner  
Sherry Lucas, Commissioner  
Tiffany Reese, Finance Department Head  
Mark Johnson, Director of Development Services  
Ron Hunt, Assistant County Manager  
Denise Stinagle, County Manager  
Brenda Womble, Emergency Communications Director  
Michael Cobb, Emergency Medical Services Director  
Rodney Dancy, Community Preparedness Coordinator  
Gordon Deno, Emergency Management Coordinator  
Calvin Woodard, Jr., Sheriff

Wilson County Chamber of Commerce

Bill Caldwell, Chairman

Wilson County Farm Bureau

Ken Barnes, Agency Manager

Wilson County Schools

Glen Davis, Executive Director  
Robert Harvey, Transportation Director

Wilson County Soil and Water Conservation District

Ricky Hayes, Director  
Josh Pate, Director

Wilson County, Board of Commissioners

WVU Extension Service, Harrison County Office

Larry Campbell, Extension Agent, County Program Coordinator (CPC)

**City Agencies**

City of Buckhannon

Amberle Jenkins, Director of Finance/Assistant Recorder  
Brad Hawkins, Street Commissioner  
Robbie Skinner III  
Richard Edwards  
Jay Hollen, P.E., City Engineer  
Mayor

Michael Doss, Treasurer  
Randy Sanders, Recorder  
Vincent Smith, Zoning Officer

City of Clarksburg

John Workman, Public Works Superintendent  
Annette Wright, City Clerk  
Ryan Kennedy, Mayor  
Harry Faulk, City Manager  
Kim Karakiozis, Finance Director  
Ashley Carr, MS4 Director and Zoning Officer  
Louis Aragona, Housing Authority Executive Dir  
Marcel Malfregeot, Jr., Housing Authority Chairman

City of Clinton

Lyle Moore, Senior Planner  
Lew Starling, Mayor  
Tom Hart, City Manager

City of Chesapeake

Doug Davis, President  
Marty Williams, Commissioner  
Michael Sweeney, Chair  
Steven Wright, Economic Development Director  
Jim O'Sullivan, Sheriff  
Scott Bachman, Senior Area Forester  
Robbie Lewis, Senior Area Forester  
Barbara Carraway, Treasurer  
Christopher Price, City Manager  
Don Carey III, Councilman  
Dwight M. Parker, Councilman  
Earl Sorey, P.E., Public Works Director  
Ella Ward, Councilwoman  
Hollis Ellis, Chair  
James Baker, City Manager  
John M. De Triquest, Vice Mayor  
Matthew R. "Matt" Hamel, Councilman  
Nancy Parr, City Attorney  
R. Stephen Best, Sr., Councilman  
Richard West, Mayor  
Robert Ike, Councilman  
Roland Davis, Councilman  
S. Z. "Debbie" Ritter, Councilwoman  
Sandra Madison, City Clerk  
Susan R. Vitale, Councilwoman  
Wanda Barnard-Bailey, Ph. D., Deputy City Manager

Christopher M. Price, City Manager  
City Council  
David Jurgens, Director of Public Utilities  
Eric Martin, P.E., Public Works Director  
Jacob P. Stroman, City Attorney  
Jaleh Shea, Director of Planning  
Jay Tate, P.E., Director of Development and Permits  
Mary Ann Saunders, Assistant to the City Manager  
Robert N. Geis, Deputy City Manager  
John McCormick, Vice Chair  
Shelley Deneau, Vice Chair

City of Dunn

Vincent Washington, Director  
William Elmore Jr., Mayor  
Frank McLean, Councilman  
J. Wesley Sills, Councilman  
Steven Neushafer  
Oscar Harris, Mayor  
Heather Adams, Director  
April Gaulden, Councilwoman  
Billy Addison, Director  
Billy Tart, Councilman  
Chuck Turage, Councilman  
David Bradham, Councilman  
Steve Neuschafer, City Manager

City of Elkins

Charlie Friddle, Councilman  
Jennifer Shreve, Treasurer  
Jessica Sutton, Clerk  
Van Broughton, Mayor  
City Council  
Robert Pingley, Public Works and Operations Manager  
Tracy Judy, Treasurer

City of Emporia

Mary Person, Mayor  
Ricky Pinksaw, Police Chief  
Jan Harrell, Manager  
Rob Gilligan, Mayor  
Royal Jones, Public Works Director  
Sheila Cutrell, Finance Director  
Tessie Wilkins, City Clerk  
W. S. Harris, Treasurer  
Dale Temple, Councilman

Don Wyatt, Police Chief  
Kenneth Ryals, Emergency Services Coordinator  
Kevin Hughes, Director  
City Council  
Chris Rawlings, Fire Chief  
Brian Thrower, Planning and Zoning Director  
F. Woodrow Harris, President  
Kim Evans, Superintendent of Schools  
Angela B. Wilson, Superintendent of Schools  
Mike Rae, Emergency Services Coordinator  
Yolanda Hines, Councilwoman  
Dale Temple, Councilman  
Doris White, Councilwoman  
James Saunders, Councilman  
Clifton Threat, President of Council  
Carol Mercer, Councilwoman  
Beverly Hawthorne, Community & Economic Development Manager  
Carolyn Cary, Mayor  
Curtis Finney, Jr., Finance Director  
Karen Taylor, Treasurer  
William Johnson, III, City Manager  
Edwin C. Daley, Assistant City Manager  
Alton Masno, Deputy Director of Public Services  
Royal Jones, Public Works Director

City of Fayetteville

David Trego, PWC COO - Electric Systems  
Christopher Davis, Council Member  
Courtney Banks-McLaughlin, Council Member  
Dan Culliton, Council Member  
DJ Haire, Council Member  
Jay Toland, Chief Financial Officer  
Johnny Dawkins, Council Member  
Kathy Jensen, Council Member  
Larry Wright, Council Member  
Mitch Colvin, Mayor  
Shakeyla Ingram, Council Member  
Taurus Freeman, Manager  
Tisha Waddell, Council Member  
Will Deaton, Planner  
Yvonne Kinston, Council Member  
City Council  
Karen Hilton, Planning and Zoning Manager  
Lionel Gerald, Mayor  
Lisa Smith, Chief Financial Officer  
Michael Lallier, PWC Chairman



Ted Voorhees, Manager  
Victor Sharpe, Community Development Director  
Giselle Rodriguez, City Engineer  
Ramon Melendez, Traffic Engineer Tech.

City of Franklin

Tracy Spence, Finance Director  
Russell Pace, Director  
Vernie Francis, Chief of Emergency Services  
Mark Carr, Deputy Chief  
Donald Goodwin, Director/Zoning Administrator  
Melissa Rollins, Finance Director  
R. Randy Martin, City Manager  
City Council  
Bobby Tyler, At-Large  
Brad Turner, Franklin District  
Barry Cheatham, Vice Mayor  
Brenton "Benny" Burgess, Councilman  
Greg McLemore, Councilman  
Linwood Johnson, Councilman  
Mark Kitchen, Councilman  
Ray Smith, Councilman  
Robert Cutchins, Councilman  
Wynndolyn Copeland, Councilwoman  
Frank Rabil, Vice Mayor  
Ken Moore, Mayor

City of Lumberton

Alisha Armstrong, Finance Director  
Alisha Thompson, Finance Director  
Bill French, Emergency Services Director  
Bruce Davis, Mayor  
Robert Armstrong, Jr., Public Works Director  
Mitchell Pate, Emergency Services Director  
T. Wayne Horne, City Manager

City of New Martinsville

N. Keith Nelsen

City of Roanoke Rapids

MeLinda Hite, Finance Director  
Emergy Doughtie, Mayor  
Leigh Etheridge, Finance Director  
Sandra W. Bryant, Council Member  
Suetta Scarbrough, Council Member  
Carl Ferebee, Council Member

Carol Cowen, Council Member  
Ernest Bobbit, Council Member  
Joseph Scherer, City Manager  
Wayne Smith, Council Member

City of Rocky Mount

Pamela Casey, Clerk  
Reuben Blackwell, Council Member  
City Council  
Brad Kerr, Director  
C. Saunders Roberson, Jr., Mayor  
Chris Beschler, Director  
Richard Worsinger, Director of Energy Resources Management  
Rochelle Small-Toney, City Manager  
Jonathan Boone, Director  
W.B. Bullock, Council Member  
Tom Rogers, Council Member  
Richard Joyner, Mayor Pro-Tem  
Andre Knight, Council Member  
Chris Miller, Council Member  
Lige Daughtridge, Council Member  
Lois Watkins, Council Member  
T.J. Walker, Council Member

City of Salem

Isaac Samples, Council Member  
James Robert Samples, Mayor  
John Golden, Council Member  
John Sinnett, Council Member  
Nancy Sliders, Council Member  
Robert Willis, Chief of Police  
City Council  
Harley Horner, Recorder  
Joe Davis, City Manager  
Mayor  
Fire Chief

City of Staunton

Nathaniel Burress, Chair  
Robert Baldygo, Chair  
Sharon Angle, Director of Planning/Zoning Administrator  
Thomas Sliwoski, Director  
William Vaughn, Director  
Police Chief  
Carolyn Dull, Mayor  
Jeanne Colvin, Finance Director

Assistant City Manager  
Clerk of the Council  
Jeff Johnston, Director  
Amy Darby, Council Member  
Andrea Oakes, Council Member  
Brenda O. Mead, Council Member  
Charles Haney, City Assessor  
Cynthia Fitzgerald, Interim Director of Finance  
Douglas L. Guynn, City Attorney  
Erik Curren, Council Member  
Faith Simmons, Clerk of Council  
James Harrington, Council Member  
Mark Robertson, Vice Mayor  
Ophie Kier, Vice Mayor  
Phil Trayer, Chief Financial Officer  
Richard Johnson, Treasurer  
Stephen Claffey, Council Member  
Stephen Owen, City Manager  
Steven Rosenburg, City Manager  
Terry Holmes, Council Member  
Timothy Hartless, City Planner  
Matthew Robertson, Sheriff

City of Suffolk

James Spicer, Emergency Services Director  
City Council  
Curtis Milteer, Sr., Council Member  
Donald Z. Goldberg, Council Member  
Erika Dawley, Clerk  
LeOtis Williams, Council Member  
Linda Johnson, Mayor  
Lue R. Ward, Jr. , Council Member  
Mike Duman, Mayor  
Patrick Roberts, City Manager  
Roger W. Fawcett, Council Member  
Timothy J. Johnson, Council Member  
Public Works Director  
Diana Klink, Director  
Donald Bennett, Official  
Jacob Dorman, Principal Planner  
Kevin Wyne, Principal Planner  
L.J. Hansen, Public Works Director  
Albert S. Moor II, Interim City Manager  
Arthur Singleton, Planning Commission Vice Chairman  
David Hainley, Director Department of Planning and Community Development  
Diana Klink, Media & Community Relations Director

Howard Benton, Planning Commission Chair  
Kevin Hughes, Acting Deputy City Manager  
Leroy Bennett, Vice Mayor  
Robert Lewis, Public Works Interim Director  
Albert Moor, City Manager  
Gregory Byrd, Interim Economic Development Director  
Ronald Williams, Treasurer  
Brian Spicer, Deputy Chief of Technical Services  
Alfred Chandler, Police Chief  
Fire Chief  
Everett Harris, Sheriff

City of Waynesboro

Brian McReynolds, Public Works Director  
Andrew Kelly, Chair  
Bobby Henderson, Vice Mayor  
Bruce Allen, Council Member  
Elzena Anderson, Councilwoman & Planning Commission  
Lana Williams, Vice Mayor  
Robert Henderson, Councilman  
Sam Hostetter, Council Member  
Shannon Boyle, Vice-Chairperson  
Terry Short, Jr., Mayor  
Julia Bortle, City Clerk  
Michael Barnes, Planning Director  
Michael Hamp, II, City Manager  
Patricia Nicosia, Director  
Stephanie Beverage, Treasurer  
Jenny Carter, Assistant Director  
Mary Garris, Real Estate Assessor  
John Kiger, Real Estate Assessor  
Scott Jones, Chair  
Joe Harris, Sheriff

City of Weston

Jacob Culver, Public Works Director  
Kim Harrison, Mayor  
Nate Stansberry, Manager  
John Hogan, Public Works Director  
Kristin Droppleman, Clerk  
Michelle Allen, Manager

City of Wilson

C. Bruce Rose, Mayor  
Carlton L. Stevens, Mayor  
Grant Goings, City Manager

Kim Hands, Finance Director

**Local Agencies**

Bailey Fire Department

Chad Bisette, Assistant Chief  
Tim Wilson, Chief  
Jeff Whitley, Chief

Battleboro Fire Department

James Hardee, Fire Chief

Blackstone Fire Department

Dion Tomer, Fire Chief

Blackstone Police Department

Nicholas Kuzmiak, Police Chief

Bolar Fire Department

Eddie Ailstock, Volunteer Fire Chief

Branchville Fire Department

Justin Overby, Fire Chief

Buckhannon Fire Department

J.B Kimble, Chief

Buckhannon Police Department

Matt Gregory, Chief

Burkeville Volunteer Fire Dept.

Paul Bennett, Fire Chief  
John Schutt, Fire Chief

Burnsville Fire Department

Roger Smith, Fire Chief  
Burnsville Vol. Fire Dept. Sec.

Chesapeake Fire Department

Donald Wooten, Fire Marshal  
Edmund Elliott, Fire Chief  
Simone Gulisano, Fire Marshal

Chesapeake Police Department

Kelvin Wright, Police Chief

Clarksburg Fire Department  
Steve Pulice, Chief

Clarksburg Police Department  
Mark Kiddy, Chief

Clinton Fire Chief  
Austin Tew, Interim Fire Chief  
Stephen Lovette, Fire Chief

Courtland Police Department  
Hunter Story, Chief

Deerfield Voluntary Fire Department  
Larry Hewitt, Chief

Dunn Fire Department  
Gary Whitman, Fire Chief

Dunn Police Department  
Clark White, Police Chief

Eastover Fire Department  
Todd Thurmond, Fire Chief

Elkins Fire Department  
Tom Meader, Chief

Elkins Police Department  
Travis Bennett, Chief

Enfield Fire Department  
Ronnie Locke, Fire Chief

Enfield Police Department  
Tyree Davis, Police Chief  
Willie Tillery, Jr., Police Chief

Farmville Fire Department  
Dean Farmer, Fire Chief  
Ben Sears, Fire Chief

Farmville Police Department  
Andy Ellington, Police Chief

Fayetteville Police Department

Gina Hawkins, Police Chief  
Calvin Bishop, Haz Mat Coordinator

Fayetteville Fire Department

Mike Hill, Fire Chief  
Scott Bullard, Emergency Management Coordinator  
Ben Major, Fire Chief

Four Oaks Fire Department

Barry Stanley, Fire Chief

Franklin Police Department

Steve Patterson, Chief  
Phillip Hardison, Chief

Franklin Township

Angela Riley, Secretary  
Corbly Orndorff, Supervisor  
Steve Coss, Building Code Officer  
T. Reed Kiger, Supervisor  
Todd Hoy, Supervisor  
Board of Supervisors, Franklin TWP Supervisors  
Carol Kraft, Secretary  
Melinda Duncan, Building Code Officer

Garysburg Fire Department

Garysburg Police Department

Marcel Goffington, Chief

Godwin-Falcon Fire Department

Wayne Lucas, Fire Chief

Jane Lew Fire Department

Mitch Oldaker, Chief

Kenly Fire Department

Paul Whitehurst, Fire Chief

Kenly Police Department

Joshua Gibson, Police Chief

LEPC & Bath Fire & Rescue

King, Chairman & President

Lumberton Fire Department

Eddie Cox, Training Chief  
Paul Ivey, Fire Chief

Lumberton Police Department

Michael McNeil, Police Chief

Mecklenburg

Andy Hargrove, Supervisor  
Claudia Lundy, Supervisor  
David Brankley, Supervisor  
Evans Tanner, Supervisor  
Glanzy Spain, Supervisor  
Glenn Barbour, Supervisor  
Gregg Gordon, Supervisor  
James Jennings, Supervisor  
Wayne Carter, County Administrator  
R.W. Hawkins, Sheriff

Micro Fire Department

Johnny Dixon, Chief

Micro Police Department

Stacy Brown, Chief  
Macon Jones, Chief

Morgan Township

Board of Supervisors,  
Relda Litten, Secretary  
Dominick Barbetta, Supervisor  
James Gayman, Supervisor  
Shirl Barnhart, Supervisor

Municipality of Murrysville

Carl Stepanovich, Council Member  
Dayne Dice, Council President  
Emily Mallisee, Engineer Technician  
James Morrison, Chief Administrator  
Jamie Lee Korn, Council Member  
Mac McKenna, Council Member  
Regis Synan, Mayor  
Toni Brockway, Council Member  
Tony Spadaro, Council Member  
Allen Cohen, Community Planner  
Joe Dietrick, Consulting Engineer  
Mark Haugh, Engineering Projects Coordinator  
Chief Administrator



Mayor

Nashville Fire Department

Chris Joyner, Fire Chief  
Randy Goodbrod, Fire Chief

Nashville Police Department

Anthony Puckett, Police Chief  
Thomas Bashore, Police Chief

Newsoms Fire Department

Chief Porter, Fire Chief  
Jonathan Hinson, Fire Chief  
Larry Fowler, Fire Chief

Newton Grove Police Department

Chief of Police

Pamplin Volunteer Fire Department

Dalton Elder, Chief

Parkton Police Department

Ronald Starling, Police Chief

Pembroke Fire Department

Timothy Locklear, Fire Chief

Pembroke Police Department

Grant Kaforita, Police Chief  
Edward Locklear, Police Chief

Pine Level Fire Department

Brannan Barbee, Fire Chief  
Stephen Holloman, Fire Chief

Pine Level Police Department

Keith Sparks, Police Chief

Plymouth Police Department

Willie Williams, Chief of Police

Prospect Fire Department

Public Works Commission of Fayetteville

Red Oak Fire Department

Bryant Fisher, Police Chief

Roanoke Rapids Fire Department

Jason Patrick, Fire Chief

George Dickey, Fire Chief

Roanoke Rapids Police Department

Bobby Martin, Police Chief

C.T. Hasty, Jr., Police Chief

T.R. Hathaway, Police Chief

Rocky Mount Fire Department

Michael Varnell, Chief

Corey Mercer, Chief

Rocky Mount Police Department

George Robinson, Interim Police Chief

Seaboard Police Department

George Reed, Police Chief

Virginia Ann Powell, Police Chief

Seaboard Volunteer Fire Department

Selma Fire Department

Phillip McDaniel, Fire Chief

Selma Police Department

William Thomas, Police Chief

Sims Volunteer Fire Department

Hunter Barnes, Chief

Smithfield Fire Department

John Blanton, Fire Chief

Patrick Harris, Fire Chief

Smithfield Police Department

R.K. Powell, Police Chief

Michael Scott, Police Chief

St Pauls Fire Department

Evans Jackson, Fire Chief

St Pauls Police Department

Stephen Dollinger, Police Chief

Tommy Hagens, Police Chief

Staunton Fire Department

Jason Ball, Deputy Fire Chief  
Scott Garber, Fire Chief

Staunton Police Department

James Williams, Police Chief

Stedman Police Department

Chief of Police

Suffolk Department of Fire & Rescue

Cedric Scott, Chief  
Michael Barakey, Chief

Suffolk Police Department

Thomas Bennett, Police Chief

Toga Fire Department

Caleb Bryan, Chief

Town of Bailey

Allen Daniels, Commissioner  
Dwan Finch, Mayor Pro Tem & Commissioner  
Ervin Powell, Commissioner  
Joel Killion, Commissioner  
Kellie Glover, Clerk  
Shelley Bullard, Commissioner  
Board of Commissioner,  
Thomas Richard, Mayor

Town of Benson

Casandra Stack, Commissioner  
Connie Sorrell, Town Clerk  
Dean McLamb, Commissioner  
Dr. R. Max Raynor Jr., Commissioner  
Fred Nelson, Town Manager  
Jerry Medlin  
Jim Johnson, Commissioner  
Matthew Zapp, Town Manager  
Maxine Holley, Commissioner  
Board of Commissioners, Public Works Department  
Joseph Stallings, Economic Director and Media Coordinator  
Town Clerk  
Town Manager

Erin Joseph, Planning Director  
Mayor  
Mayor Pro-Tem

Town of Blackstone

Christy Hudson, Commissioner of Revenue  
Commissioner of Revenue  
Barbara Thompson, President of Council- Ward D  
Billy Coleburn, Mayor  
Christine Hasbrouck, Council Member  
Denis McCarthy, Chairman  
Eric Nash, Council Member  
Jennifer Daniel, Town Clerk  
Lonnie Morgan, Council Member  
Nathaniel Miller, Council Member  
Shelia Jones, Council Member  
Tom Wilkinson, Council Member  
Jennifer Daniel, Town Clerk  
Mayor  
Philip Vannoorbeeck, Town Manager/ Zoning Administrator  
Town Council

Town of Boykins

Damian Dwyer, Zoning Administrator  
Eric Coard, Member  
Freddie Felts, Planning Commission Chair  
Jackie Robertson, Mayor  
Pat Draper, Clerk  
R.S. Edwards, Jr., Mayor  
T.R. Griffin, Planning Commission Chair  
Victoria Edwards, Clerk

Town of Branchville

Kayre Ann Harrup, Clerk  
Mayor  
Town Council  
Dawn Hayes, Council Member  
Deria Binetsky, Council Member  
Harold P. Futrell, Jr., Mayor  
Kelly Joe Ray, Council Member  
Nancy Barrett, Council Member  
Roger M. Milliken, Sr., Council Member  
Silvie Worrell-Murphy, Council Member

Town of Burkeville

Joseph Morrisette, Mayor of Burkeville VA

Earl Moore, Council Member  
Pearl Bowlin, Council Member  
Ann Craig, Town Clerk/Zoning Administrator  
Brian Weltch, Mayor  
Gerald Smith, Council Member  
Harold Wagstaff, Council Member  
Ivory Oliver, Council Member  
Jim Bruce, Council Member  
Joann Branch, Council Member  
Wayne Zumbro, Council Member  
Zora Bruce, Council Member  
Wayne Rickman, Council Member  
Paul Bennett, Council Member  
Jim Bruce, Council Member  
Joseph Morrissette, Town Clerk  
Town Council  
Vice Mayor  
Charles Carter, Council Member

Town of Clayton

Jody McLeod, Mayor  
Public Information Officer  
Nathaneal Shelton, Public Information Officer  
Stacey Beard, Public Information Officer

Town of Courtland

Maxine Nowlin, Councilwoman  
Jerry Morgan, Councilman  
Danny Williams, Mayor  
Lou Davis, Councilwoman  
Jason Fowler, Councilman  
Stanley Piersa Jr., Vice Mayor  
Reila Johnson, Councilwoman  
Debra Lambert, Clerk  
Town Council  
Debra Lambert, Clerk  
Sandra Joyner, Councilwoman  
Shameka Key, Councilwoman

Town of Crewe

Aaron Reed, Council Member  
Anne Stinson, Vice Mayor  
Billy Abel, Council Member  
Bryan Thrower, Town Manager  
Greg Eanes, Mayor of Crewe VA  
James Bradley, Council Member

Jess Faas, Council Member  
Phil Miskovic, Council Member  
Robert Knight, Council Member  
Sean Davis, Council Member  
Susan Yeatts, Council Member  
Wade Walker, Town Manager  
Arthur Booth, II, Chief of Police  
Toney Shelton, Director of Public Works  
Town Council  
Wendy Bowen, Vice Mayor  
Val Wilson, Fire Chief

Town of Dortchess

Boyce Varnell, Commissioner  
Bob Brown, Commissioner  
Bruce Smith, Commissioner  
George Griffin, Commissioner  
Jackie Vick, Commissioner  
Kirby Brown, Mayor  
S. Bruce Smith, Commissioner  
Board of Commissioners, Dortchess Town Hall

Town of Durbin

Mayor  
Town Council  
John Osborne, Recorder  
Kenneth Lehman, Council Member

Town of Eastover

Brian Pearce, Council Member  
Bruce Skyes, Council Member  
Charles McLaurin, Mayor  
Cheryl Hudson, Council Member, Mayor Pro Tempore  
Kimberley McPhail, Council Member  
Lawrence Buffaloe, Council Member  
Randy Lee, Council Member  
Sara Piland, Council Member  
Stan Crumpler, Council Member  
Stan Crumpler, Council Member  
Willie Geddie, Council Member  
Jane Faircloth, Clerk  
Kim Nazarczyk, Town Manager  
Town Council

Town of Enfield

Bobby Whitaker, Commissioner

Brenda Silver, Town Clerk  
Bud Whitaker, Commissioner  
Kenneth Ward, Commissioner  
Kent Holmes, Commissioner  
Tracey Joyner , Commissioner  
Wayne Anderson, Mayor  
Whitaker, Commissioner  
Board of Commissioners, Enfield Town Hall  
Jannie Burnette, Town Clerk  
Patricia Whitaker, Finance Officer

Town of Enfield Police Department

Chuck Hasty, Police Chief

Town of Falcon

Jerry Lucas, Commissioner  
John Gipson, Commissioner  
Wiley Clark, Commissioner  
Belinda White, Clerk  
Gerald Lucas Sr., Council Member  
John Wesley Gipson, Council Member  
John Wheeler, Council Member  
Rayford Dunning, Sr., Council Member  
Belinda White, Clerk  
Board of Commissioners, Town of Falcon- Commissioner  
Mayor

Town of Farmville

Robin Atkins, Director of Public Works  
Sherry Honeycut, Planning Commission Chairman  
Brian Vincent, Councilman- Ward B  
David E. Whitus, Mayor  
A.D. "Chuckie" Reid, Vice Mayor  
Daniel Dwyer, At-Large  
Donald Hunter, Council Member  
Jamie Davis, Councilman - Ward E  
John Miller, Planning Commission Chairperson  
Tommy Pairet, At-Large  
Town Council  
Sallie Amos, Council Member  
David E. Whitus, Mayor  
Steven Wood, Clerk of Council  
C. Scott Davis, Town Manager, Zoning Administrator  
Greg Cole, Council Member  
Carol Anne Seal, Treasurer  
Lisa Hricko, MMC, Town Clerk

Town of Farmville Volunteer Fire Department

Dean Farmer, Fire Chief

Town of Four Oaks

Andy Hardy, Commissioner  
Andy Holt, Commissioner  
Carles Surlles, Commissioner  
John Hatch, Commissioner  
Martha Garris, Town Clerk  
Mike Hines, Commissioner  
Vic Medlin, Mayor Pro-Tem  
Board of Commissioners,  
Charles Hardee, Public Works Director  
Pauline Ketchum, Planning & Zoning Director  
Sherry Hudson, Clerk and Finance Officer  
Mayor

Town of Garysburg

Iris Williams, Commissioner  
James Mayo, Commissioner  
Juanita Owens, Town Clerk  
Lola Ausby, Mayor Pro-Tem  
Melvin Garner, Chief  
Roy L. Bell, Mayor  
Semiko Jacobs, Commissioner  
Woodrow Harding, Jr, Commissioner  
Board of Commissioners, Garysburg Town Clerk  
Freddi Gallimore, Town Clerk  
Diane Gallimore

Town of Gaston

Donald Dixon,  
Alice Patrick Delbridge, Mayor  
Jason Moore, Mayor  
Jerry Dickerson,  
Deborah James,  
Donald Conner  
Louise Bailey

Town of Godwin

Deborah Godwin, Clerk  
Robert McKenzie, Commissioner  
Ronald McNeill, Commissioner  
Ronnie Willett, Jr., Commissioner  
Willie Burnett, Mayor



Board of Commissioners, Jacqueline Cooper- Kelley- Town Clerk  
Deborah Godwin, Clerk

Town of Halifax

Board of Commissioners, Town Hall  
Stephen Capehart, Public Works Director  
Town Clerk  
Barbara Jean Daniels, Commissioner  
Christina Wells, Commissioner  
Holly Barcelo, Town Clerk  
Jason Peoples, Commissioner  
John White, Mayor  
Lee Clements, Mayor Pro Tem  
Lisa Turner, Mayor Pro Tem  
Patterson Wilson, Commissioner  
Primerose Jane Bass, Commissioner  
Sharon Vick, Town Clerk  
William Johnson, Commissioner

Town of Huttonsville

Rodney McAtee, Mayor

Town of Jane Lew

Dave Ramsburg, Councilman  
Debbie Frazier, Recorder  
Jonathan Clutter, Councilman  
Ruth Straley, Mayor  
Town Council

Town of Kenly

Bobby Peele, Councilmember  
Bonnie Williamson, Mayor  
Janna Rogerson, Councilmember  
John Pitts, Public Works Director  
Keith Currie, Councilmember  
Keith Davis, Mayor Pro-Tempore  
Ken Thompson, Public Works Director  
Lawanda Neal, Councilmember  
Sharon Evans, Interim Town Manager  
Trinity Henderson, Councilmember  
Greg Dunham, Manager  
Town Council  
Public Works Director  
Janna Rogerson, Councilmember  
Trinity Henderson, Councilmember

Town of Lawrenceville

William Herrington, Mayor  
Everett Gibson, Police Chief  
Daniel Finz, Town Manager  
Scott Martin, Mayor  
Carl Dean, Town Manager

Town of Lucama

David Johnson, Commissioner  
Dolan Atkinson, Mayor  
Jed Simpson, Commissioner  
Jeff Johnson, Mayor  
Judy Mason, Commissioners  
Leo Bass, Commissioner  
Michael Best, Commissioners  
Patricia Uzzell, Commissioners  
Peggy Lamm, Commissioner  
Tim Wiggs, Commissioner  
Board of Commissioners, Town Hall

Town of Marlinton

Roberta Gudmundsson, Recorder  
Council Member  
Sam Felton, Mayor  
Town Council

Town of Micro

Kevin Worley, Commissioner  
Marty Parnell, Commissioner  
Russel Creech, Mayor Pro-Tem  
Walter (Jay) Warren, Jr., Mayor  
Jay Langston, Commissioner

Town of Mill Creek

Bill Brock, Mayor

Town of Monterey

Lois White  
Lois Showalter, Clerk  
Michael Isles, Chief Utilities Operator  
Ronald Wimer, Mayor  
Town Council  
Alice Shumate, Clerk/Treasurer  
Cody Cohen, Council Member  
Dale Hammer, Council Member  
Denise Simmons, Council Member

Don Dowdy, Council Member  
Francis Fenn, Vice Mayor  
Jack Kilgallen, Council Member  
Janice Warner, Council Member  
Jay Garber, Council Member  
Richard Robinson, Council Member

Town of Nashville

Brenda Brown, Mayor  
Charles Taylor, Commissioner  
Cynthia Richardson, Clerk  
Donald Street, Mayor  
Jamey Baines, Public Works Director  
Julie Spriggs, Planning & Development Director  
Kate Burns, Mayor Pro Tempore  
Larry Taylor, Council Member  
Lee Brown, Director of Public Works  
Louise Hinton, Council Member  
Lynne Hobbs, Council Member  
Preston Mitchell, Manager  
Randy Lansing, Town Manager  
Samantha Sanchez, Finance Director  
Sarah Tinkham, Town Clerk  
Sherry Moss, Planning and Development Director  
Board of Commissioners, Town Council  
Brian Hassell, Planning & Development Director  
Yvette Hinton, Deputy Finance Officer/Tax Collector  
Public Works Director  
Hassell, Brian,  
Town Manager

Town of Newsoms

Linda Vick, Chair  
Carol Drake Majors, Council Member  
Damian Dwyer, Council Member  
Judith Carol Rose, Council Member  
Kendall Brock, Council Member  
Neil Drake, Council Member  
Vanless Worrell, Mayor  
Westly Story, Vice Mayor  
Linda Vick, Manager  
Town Council

Town of Newton Grove

Amanda Turner, Town Clerk

Town of Parkton

Benton Finley, Council Member  
Christopher Carlson, Council Member  
David Register, Public Works/Council Member  
Doris Underwood, Council Member  
Nathaniel Solomon, Council Member  
Robin Hill, Council Member  
Tom Little, Public Works Director  
Tony McVickers, Council Member  
Wanda Matute, Council Member  
Town Board  
Al McMillan, Mayor

Town of Parkton Police Department

Sam May, Police Chief

Town of Pembroke

Gregory Cummings, Mayor  
Town Council  
Amira L Hunt and Channing Jones,  
Channing Jones, Councilman  
Larry McNeil, Councilman  
Ryan Sampson, Councilman  
Theresa Locklier, Councilwoman

Town of Pine Grove

Brian Price, Council Member  
David Barr, Mayor  
David Williams, Council Member  
Eva Adams, Council Member  
John Wells, Council Member  
Thomas Dulaney, Council Member  
Town Council  
Kimberly Bates, Recorder

Town of Pine Level

Ashley Woodard, Police Chief  
Bill Radford, Commissioner  
Greg Baker, Commissioner  
Jeff Holt, Mayor  
Jimmy Garner, Commissioner  
Karen Anderson, Commissioner  
Phil Pittman, Commissioner  
Randy Jones, Planning Board Chairman  
Board of Commissioners, Administrative Clerk  
Connie Capps, Clerk

Randy Hoffman, Planning Board Chairman  
Sharon Thompson, Clerk

Town of Red Oak

Barbara Tyre, Commissioner  
Bill Moore, Commissioner  
Craig New, Town Councilman  
Levell Langley, Mayor  
Sandra Russ, Town Councilwoman  
Scott Briley, Town Councilman  
Tony Bennett, Town Councilman

Town of Seaboard

Albert Wentzy, Commissioner  
Bobie N. Moss, Mayor  
Danny Hines, Commissioner  
Edward Stevens, Mayor Pro-Tem  
Rebecca P. Warwick, Admin/Town Clerk/ Billing  
Reid Harris, Commissioner  
William Gallimore, Commissioner  
Admin/Town Clerk/ Billing  
Geraldine Langford, Mayor  
Board of Commissioners, Seaboard Clerk Office

Town of Selma

Jackie Lacy, Mayor Pro-Tem  
Ann Williams, Councilmember  
Byron McAllister, Councilmember  
Alex Fuller, Public Works Director  
Mark Petersen, Councilmember  
Joe Scarboro, Councilmember  
Elton Daniels, Manager  
Jamie Whitley, Clerk  
Julie Maybee, Director  
Nicholas Sorrell, Clerk  
Randall Cahoon-Tingle, Public Works Director  
City Council, Planning department  
Claudia Greenfield, Clerk  
Mayor  
Rhonda Sommer, Finance Director  
William Overby, Councilmember  
Tommy Holmes, Councilmember

Town of Sims

Courtney Warren, Board Member  
Danny Howell, Commissioner

Helen Boykin, Commissioner  
Kaleb Woodard, Commissioner  
Michael Hall, Board Member  
Nichole Weeks, Commissioner  
Ray Wells, Board Member  
Rhonda Payne, Commissioner  
Miranda Boykin, Mayor  
Town Board,  
Mathew Davis, Sims Volunteer Fire Department

Town of Smithfield

Andy Moore, Mayor  
Beth McKeel, Administrative Support Specialist  
David Barbour, Councilmember  
David Stevens, Councilmember  
Emery Ashley, Councilmember-At Large  
John Dunn, Councilmember-At Large  
Marlon Lee, Councilmember  
Melissa Rodriguez, Administrative Assistant  
Michael Scott, Town Manager  
Roger Wood, Councilmember-At Large  
Stephen Rabil, Councilmember-At Large  
Stephen Upton, Planning Chair  
Stephen Wensman, Planning Director  
Travis Scott, Councilmember  
Paul Embler, ASLA, Planning Director  
Veronica Hardaway, Administrative Assistant  
Town Council

Town of Smithfield Police Department

Keith Powell, Police Chief

Town of St Pauls

Annie Stephens, Commissioner  
Astrid Ramirez, Finance Officer  
Deborah Inman, Commissioner  
Debra McNeill, Town Clerk  
Donna Patterson, Commissioner  
Elbert Gibson, Mayor  
Gerard Weindel, Mayor  
Jerry Quick, Commissioner  
John Dgudauskas, Jr., Commissioner  
Tammy Williamson, Commander  
Board of Commissioners, Town Clerk- Astrid Rameriz  
Danny Holloman, Public Works Director  
Earl Johnson, Commander

Administrator  
Clerk/Finance Officer

Town of Stedman

Jennifer Wilson-Kersh, Town Clerk  
Martin Jones, Mayor  
Board of Commissioners

Town of Wade

Ann Long, Commissioner  
George Strater, Commissioner  
Jennifer Weaver, Commissioner  
Joe Dixon, Mayor  
John Nunnery, Commissioner  
Johnny Lanthorn, Commissioner  
Johnny Sawyer, Commissioner  
Joseph Dixon, Mayor  
Kenneth Griffin, Commissioner  
Ray Edwards, Commissioner  
Cindy Burchett, Clerk  
Board of Commissioners

Town of Weldon

John Smith, Commissioner  
Julia Meacham  
Larry Brunson, Commissioner  
Nacy Sandoval, Commissioner  
Raeilyn Stanback, Commissioner  
Richard Brown, Code Enforcement  
Walter Clark, Commissioner  
Board of Commissioners  
Zoning Administrator

Town of Whitakers

Board of Commissioners, Town Hall  
Diane Cofield, Clerk  
Gwen Parker, Town Administrator and Zoning Officer  
Doris Howington, Commissioner  
Doris Lindsey, Commissioner  
Esterine Gary Pitt, Mayor  
Janice Bellamy, Commissioner  
Joyce Bailey, Clerk  
May McCloud, Commissioner  
Nancy J. Taylor, Commissioner  
Sammy Hopkins, Commissioner  
Shante' Williams, Town Clerk

Thomas Everett, Town Administrator

Nash-Rocky Mount Public Schools

Binford Sloan, Transportation Director  
Shelton Jefferies, Superintendent

Weldon City Schools

Anitra D. Wells, Superintendent

Raleigh Public Utilities

Janeen Goodwin, Director

Franklin City Public Schools

Tamara Sterling, Superintendent

Vander Fire Department

Roddy Bullard, Fire Chief

Wade Fire Department

Mike Hill, Fire Chief

Waynesboro

Cameron S. McCormick, Finance Director  
Julia Bortle, City Clerk  
Luke J. Juday, Planning Director  
Sabrina von Schilling, Commissioner of the Revenue  
Greg Hichin, Economic Development Director  
Gary Critzer, Director of Emergency Management

Waynesboro Fire Department

Andrew Holloway, Fire Chief  
James Bradley, Fire Chief

Waynesboro Police Department

Michael Wilhelm, Police Chief

Waynesboro Sheriff's Department

Joe Harris, Sheriff

Weldon Fire Department

Martin (Rusty) Bolt, Fire Chief

Weldon Police Department

Christopher Davis, Police Chief

Weston Fire Department



James Suttle, Chief  
Kenny James, Chief

Weston Police Department  
Chief

Whitakers Fire Department  
Brian Mutzabaugh, Fire Chief

Whitakers Police Department  
Lynette Clements, Police Chief

Wilson Fire/Rescue Services  
Donald Oliver, Fire Chief

Wilson Police Department  
Thomas Hopkins, Police Chief

Wintergreen Fire Department and Rescue Squad  
Curtis Sheets, Chief

### **Libraries**

Tyler County Public Library, Middlebourne, WV  
Bath County Public Library, Warm Springs, VA  
Center Point Outpost Library, Salem, WV  
Nelson Memorial Library, Lovingston, VA  
Greene County Library, Waynesburg, PA  
Delmont Public Library, Delmont, PA  
Braswell Memorial Library, Rocky Mount, NC  
Moundsville-Marshall County Public Library, Moundsville, WV  
Ritchie County Public Library, Harrisville, WV  
Waynesboro Public Library, Waynesboro, VA  
Hillsboro Library, Hillsboro, WV  
Morgan Memorial Library, Suffolk, VA  
Elkins-Randolph County Library, Elkins, WV  
Nottoway County Library, Crewe, VA  
Murrysville Community Library, Murrysville, PA  
Clarksburg-Harrison Public Library, Clarksburg, WV  
Monroeville Public Library, Monroeville, PA  
Roanoke Rapids City Library, Roanoke Rapids, NC  
Highland County Public Library, Monterey, VA  
Public Library of Johnston County & Smithfield, Smithfield, NC  
Cumberland County Library, Fayetteville, NC  
Chesapeake Public Library, Chesapeake, VA  
Ruth Camp Campbell Memorial Library, Franklin, VA

Wilson County Public Library, Wilson, NC  
Walter Cecil Rawls Library, Courtland, VA  
Annie H McEachern Library, St. Pauls, NC  
Sampson County Library, Clinton, NC  
Northampton Memorial Library, Jackson, NC  
Augusta County Library, Fishersville, VA  
Doddridge County Public Library, West Union, WV  
James L Hamner Public Library, Amelia, VA  
New Martinsville Public Library, New Martinsville, WV  
Louis Bennett Public Library, Weston, WV  
Dinwiddie Library, Dinwiddie, VA  
Rockbridge Regional Library, Lexington, VA  
Brunswick County Library, Lawrenceville, VA  
Central Virginia Regional Library, Farmville, VA  
Bridgeport Public Library, Bridgeport, WV  
Upshur County Public Library, Buckhannon, WV  
Buckingham County Public Library, Dillwyn, VA  
Harold D Cooley Library, Nashville, NC  
City of Dunn Public Library, Dunn, NC  
Robeson County Public Library, Lumberton, NC  
Richardson Memorial Library, Emporia, VA  
Linwood Community Library, Snowshoe, WV  
Staunton Public Library, Staunton, VA

### **Newspapers**

Greene County Messenger, Waynesburg, PA  
The Inter-Mountain, Elkins, WV  
The Fayetteville Observer, Fayetteville, NC  
Penn-franklin News, Murrysburg, PA  
The Exponent Telegram, Clarksburg, WV  
The Record Delta, Buckhannon, WV  
The Daily News-Record, Harrisonburg, VA  
Smithfield Herald, Smithfield, NC  
The Robesonian, Lumberton, NC  
Brunswick Times-Gazette, Lawrenceville, VA  
Pittsburg Tribune-Review, Tarentum, PA  
Pocahontas Times, Marlinton, WV  
Doddridge Independent, West Union, WV  
The Amelia Bulletin Monitor, Amelia Court House, VA  
The Virginian-Pilot, Norfolk, VA  
The Weston Democrat, Weston, WV  
Suffolk News Herald, Suffolk, VA  
The Farmville Herald, Farmville, VA  
Courier Record, Blackstone, VA  
Independent Messenger, Emporia, VA

The Dinwiddie Monitor, Emporia, VA  
Wetzel Chronicle, New Martinsville, WV  
The News Leader, Staunton, VA  
Sampson Independent, Clinton, NC  
The Daily Herald, Roanoke Rapids, NC  
Nelson County Times, Lynchburg, VA  
Charleston Gazette-Mail, Charleston, WV  
Tidewater News, Franklin, VA  
Wetzel Chronicle, New Martinsville, WV  
The Recorder, Monterey, VA  
The Wilson Times, Wilson, NC  
Monroe Watchman, Union, WV  
The News-Gazette, Lexington, VA  
The Recorder Newspaper, Monterey, VA

### **Individuals, Organizations, Landowners, and Other Stakeholders**

Brian Hedgpth, Chairman, Franklin Southampton Economic Development, Inc., Franklin, VA  
Amanda Jarratt, President & CEO, Franklin Southampton Economic Development, Inc.,  
Franklin, VA  
Kevin Barnes, President, Central Johnson County Rotary Club, Smithfield, NC  
Carlton Pernel, President, Central Johnson County Rotary Club, Smithfield, NC  
Natalie Campbell, Greater Augusta County of Realtors, Staunton, VA  
Craig Ray, President, Harrison County Rotary Club, Bridgeport, WV  
Robin Ray, President, Harrison County Rotary Club, Bridgeport, WV  
Jaclyn Rominger, Harrison County Rotary Club, Bridgeport, WV  
Demian K Jackson and Bridget K Hambre, President, Jackson IPG, Nelson County Creekside,  
LLC, Shipman, VA  
Catherine Garcia, President, Rotary Club of Fluvanna County, Palmyra, VA  
Thom Mansfield, Rotary Club of Nelson County, Lovingston, VA  
Portia Battle, Wilson County Hospitality LLC (Candlewood Suites), Wilson, NC  
Vicki Vorisek, Turner & Townsend Inc, Houston, TX  
United Way of Cumberland County, Fayetteville, NC  
Evon Stanley, Tri-County Contractors, Inc, Purcellville, VA  
Sandra Trivett, Sanford Holshouser Economic Development Consulting, Raleigh, NC  
Jameson Talkington, Wetzel County Kiwanis Club, Proctor, WV  
Patrick Evekyn, President, Charles City Timber and Mat, Inc., Providence Forge, VA  
Steve Whaley, Charles City Timber and Mat, Inc., Providence Forge, VA  
Henry Haupt, CFO, Charles City Timber and Mat, Inc., Providence Forge, VA  
Mike Jenkins, General Foreman COO, Charles City Timber and Mat, Inc., Providence Forge,  
VA  
Gary Rodgers, Weavertown Environmental Group, Carnegie, PA  
Jim Saunders, City of Emporia Rotary Club, Emporia, VA  
Mike Evans, Nashville, NC  
Charles A. Parker, IUOE Local 132, Charleston, WV  
Matt Robinson, National Park Service Regional Office, Philadelphia, PA

Gary Stover, Penn Virginia Operating Co., Chesapeake, WV  
Amy Litman, Litman Enterprises, Hannibal , OH  
Fayetteville Rotary Club, Fayetteville, NC  
Gabriela Garrison, NC Wildlife Resources Commission, Hoffman, NC  
AMERICAN GARAGE DOOR LLC, SHINNSTON, WV  
Jane Birdsong, Elkins, WV  
Donald H Lynch, Salem, WV  
Clyde W Jr & Kimberly D. McCloud, Salem, WV  
Zachary T & Sara Amodio, Salem, WV  
David P. Davis and Mary E. Davis, Salem, WV  
Debra Underwood, Salem, WV  
Ralph Sandora, Jr., Salem, WV  
Deborah Ash, Salem, WV  
Carolyn Lloyd, Proctor, WV  
Roberta J. Martin, Salem, WV  
THURMAN COX, T & R MASONRY INC, SALEM, WV  
Arnet L Nicholas, Salem, WV  
David A & Denise J McAtee, Salem, WV  
Anthony R Nicholas, Salem, WV  
Lola Bowen Et al, Salem, WV  
Norman D. Hanifan, Tallmansville, WV  
Jeremy Teter, IUOE, Elkins, WV  
Woods, Ronald, Doniphan, MO  
Jesse Zirkle, 84 Lumber Company, Elkins, WV  
Szczur, Martha, Wintergreen, VA  
Vera Jones, Roseland, VA  
Leslie Sarich, Roseland, VA  
Jean A. Campbell, Roseland, VA  
Terri Brooks, Roseland-Wintergreen, VA  
Eric Solomon, Roseland, VA  
David Schwiesow, Roseland , VA  
Fretwell, Sylvester and Carol, Elkins, WV  
Burl L Post And Susan Lee Carr Estate, Salem, WV  
Tip Starkey, Buckhannon, WV  
Brad Reger, 84 Lumber Co., Elkins, WV  
Bradley J. Reger And Melissa S. Reger, Elkins, WV  
David R and Nancy L Schwiesow, Roseland, VA  
Sarich, Charles, Roseland, VA  
SYLVESTER W. AND CAROL D. FRETWELL, Elkins, WV  
E.T. Conlon, ThistleDew Farm Inc, Proctor , WV  
Robert Elza, Elkins, WV  
G L T Family Limited Partnership Principle Office, Gatesville, NC  
Donald Lindsey, Jay Bee Oil & Gas, Cairo, WV  
Doug Coleman, The Nature Foundation at Wintergreen, Roseland, VA  
Ely Jackson Perry, III, Kinston, NC  
Jon Thompson, MRC Global, Buckhannon, WV

Dave Alvarez, Energy Transportation, Bridgeport, WV  
April Rush, Rush Construction, Pine Grove, WV  
Ryan Hauser, JF Allen Company, Buckhannon, WV  
Howard Baldwin, Bruce Allen Pipeline, Harrisville, WV  
Brent Hatcher, Quality Integrated Services, Guymon, OK  
Jim Barrett, JANX, Parma, MI  
Sarah Smith, Smith Land Surveying, Glenville, WV  
Chad Earle, Orders Construction, St. Albans, WV  
Mark Urso, Bear Contracting, Bridgeport, WV  
Macgill, Stephanie, Slatyfork, WV  
Justin Meighan, Laborers International Union of North America, Reston, VA  
Majure- Rhett, Connie, Wilmington, NC  
Michael Coughlin, Esq. At Walsh Colucci Lubeley And Walsh P.C., Leesburg, VA  
Ronald E Dowdy, Orlando, FL  
Elizabeth B. Garner c/o Kaufman & Canoles, P.C. Attn: Mark Short, Newport News, VA  
Jimmy D. & Vivian E. Evett c/o Kaufman & Canoles, PC, Attn: Mark Short, Newport News, VA  
David Gambridge, I + Icon Energy, Pittsburgh, PA  
Karen S. Cline C/O Benham Black - Black, Noland And Read, P.L.C., Staunton, VA  
B Craig Collins, SCANA Corp (for Public Service Co of NC, Inc), Cayce, SC  
Martha Little, Virginia Outdoors Foundation, Richmond, VA  
Kerry Hutcherson, Martha Little, Dave Morton, Virginia Outdoors Foundation, Richmond, VA  
Julianne Francis Picket-Heaps, Kingston, Australia  
Mac McGinty, John Tyler Community College, Richmond, VA  
Jamie McConnell, Orange Rotary Club, Orange, VA  
Donald R. Benner & Juliana K. Benner, Deerfield, VA  
Martha Louis, Historic Buckingham, Buckingham, VA  
Jeff Reed, Virginia's Growth Alliance, Keysville, VA  
Tolly Peuleche, Monterville, WV  
Sandy Burky, Burki Enterprises, Pickens, WV  
Sandy Burky, Pickens, WV  
Rick A. Sharp Et Al, Valley Head, WV  
Clifton E. Phillips, West Union, WV  
Mary Louise See, Valley Head, WV  
Darl Bolyard, Harman, WV  
George Shreve Estate And Kenneth Shreve, Littleton, WV  
Dorothy E Phillips & Ivy R Bradley, Coalton, WV  
G N van de Stadt and P A van de Stadt, The Netherlands  
Heather Penny, Michael Penny, Afton, VA  
Oakie Robertson, Mannboro, VA  
West Augusta United Methodist Church, West Augusta, VA  
State of West Virginia Public Land Corporation DNR, Charleston, WV  
Every Bear Investments LLC, Scottsdale, AZ  
Robert Kreisberg, West Liberty University, West liberty, WV  
Buckhannon Battlefields - Richard Clemens, Buckhannon Historic Landmark Commission,  
Buckhannon, WV  
WV Railroad Maintenance Authority, South Charleston, WV

Nash Community College, Rocky Mount, NC  
Velma Bates, Jacksonburg, WV  
Henry Neal, Gauley Bridge, WV  
Linda Perriello (Tom), Ivy, VA  
Pearlene Hampton Estate, Deptford Township, NJ  
Hervey McIver, The Nature Conservancy, Durham, NC  
Jocelyn Tsai, The Nature Conservancy, Durham, NC  
Irving Powless, Jr., Onondaga Nation, Nedrow, NY  
David Sackett, Brierly Associates, Norfolk, VA  
CDM Witchduck Associates, LLC, Norfolk, VA  
Holland & Farmer Properties, Norfolk, VA  
J. Frank Holland Family Trust c/o Don Sanford Garber Jr., Trustee, Norfolk, VA  
The Jean M. Davis Trust, Norfolk, VA  
Gilbert G. Brantley, Bailey, NC  
Estate of Guy E. Fisher, Jr., Pendleton, NC  
Virginia Dawnswire and Threy Dawnswir, Afton, VA  
Pete Jaketic, Lovingston, VA  
Clarence Allen, Crewe, VA  
Flo Hollis, Faber, VA  
Daniel P. Caylor, III, BESCO Electrical, Huntersville, NC  
O'Connor G Ashby, Fredericksburg, VA  
Blank, Nathan, North Chesterfield, VA  
Bowers, Faye, Manasses, VA  
Talmadge Darden, Suffolk, VA  
John Dever, Thomas Nelson Community College, Hampton, VA  
WC Fowlkes, Martinsville, VA  
Michael V Sutton, Salem, WV  
Matthew Hubble, ECM Energy Services, Bridgeport, WV  
Charles William And Patricia Word Harvey, Et al, Buckingham, VA  
Ed Krueger, Slaty Fork, WV  
Ronald Cecile Shaffer, Bristol, WV  
Paul Hoffman, Farmville, VA  
Alda Curtis, Faber, VA  
Morgan Barker, Afton, VA  
Mitchell Fleisher, Laura Fleisher, Fleisher Health Card Corp, Nellysford, VA  
Fleisher, Laura, Nellysford, VA  
Laura Fleisher, Nellysford, VA  
David Reed a/k/a Glenn David Reed, Mount Sidney, VA  
Harry Lee Carpenter, Jr. and Sherry N. Carpenter, Nashville, NC  
Howard Andrew Tyson, Nashville, NC  
Lowell P & Sharon D Bee, Salem, WV  
Robert Cleminson, Nellysford, VA  
Elizabeth Nocito, Shipman, VA  
Donald Bruce Oxendine, Red Springs, NC  
William J. Wilderman, Chesterfield, VA  
John D. Stephenson, Richmond, VA

Michael Descoteaux, Air Liquide, S.A., Houston, TX  
Alice Hines, Manassas, VA  
Julia King, Manassas, VA  
Shirley Wiley Jones, Randallstown, MD  
Chuck West, EarthScapes, Richmond, VA  
Michael Buchanan, Henrico, VA  
Wilson, Jack, West Augusta, VA  
William E & Kathryn S Robinson, Center Point, WV  
Kenneth and Mary Hartzog, Staunton, VA  
Nancy Longton, Nellysford, VA  
Lisa Dishman, H Squared, Inc., Aberdeen, NC  
Garth S. Hancock, Jr., Fredricksburg, VA  
Diane Wheatley, Linden, NC  
Joshua Copson, Aubrey Copson, Shipman, VA  
Michael Lee Harper, Buckhannon, WV  
Dominic R. Spelich, VEC Inc., Girard, OH  
Don Weide, Charlottesville, VA  
Isabel Plume, SRC, Charlottesville, VA  
Madelyn Arbough, Harrisonburg, VA  
Weatherty, Tammy, Cortland, OH  
Ken Chasin, Charlottesville, VA  
K W Elkins, Manassas, VA  
S.W. Mills, Henrico, VA  
Dawna Jo Mussad And Ruth Ann Bailey, Fairfax, VA  
Darrell Wallace, Afton, VA  
Jane Mandeville Wetsel, West End, NC  
O'brien, James P, Norfolk, VA  
Ranya Seoud, EMSI Engineering Inc., MANASSAS, VA  
Steve Howery, Lyndhurst, VA  
William L. Coffindaffer And Sandra L. Coffindaffer, Jane Lew, WV  
Flythe Land Holdings, LLC, Seaboard, NC  
Robert Cross, Ricochet, Friendly, WV  
Ernie Reed, Friends of Nelson, Wild Virginia, Heartwood, Faber, VA  
C & C FRANCHISING INC DBA, RICHMOND, VA  
Francis B. Richards And Terry K. Richards, Jane Lew, WV  
Rhonda A. Sheppard, Clarksburg, WV  
Teamsters Local 22, Collinsville, VA  
Lois Jean Braun, West Union, WV  
Julie Bendel, Roseland , VA  
Emile Derek Boyle, Burke, VA  
Jacqueline B. Johnson, Norfolk, VA  
Majorie Hevene, Burnsville, VA  
Hevener, Marjorie, Burnsville, VA  
Stu Herschkowitz, Lake Worth, FL  
Cindy Cronin, Manassas, VA  
Willard E Lawrence, LAWRENCE CONSTRUCTION CO., ED, FREDERICKSBURG, VA

L Richard Hazel, Richmond, VA  
Hinton A. Lynch, Minthill, MD  
Sliwinski, Rick and Lynne, Ebensburg, PA  
Ann Ashton, Raymond Ashton, Nellysford, VA  
Hastings, Susan, Afton, VA  
Susan Hastings, Emily Hancock, Afton, VA  
Audry Scott Adkins, Lanham, MD  
Victor A. Smith, Henrico, VA  
Darrell Devon Frazier, Randallstown, MD  
George, Frank, Dunedin, FL  
Leo MacDonald, Manassas, VA  
David Geib, Elevators Local Union 10, Lanham, MD  
David Allen Mell, Zanesville, OH  
Helen Kimble, Afton, VA  
Laurie Shaffer, Nellysford, VA  
Lawrence Herring, Friends Of Horizons, Nellysford, VA  
Randy Whiting, Nellysford, VA  
Clifton & Erinne Longobardi, Friends Of Horizons, Nellysford, VA  
Randy & Heidi Reed, Friends Of Horizons, Nellysford, VA  
Anita L. Murphy-St. John, Brooklyn, NY  
Kody M Boone And Rachael J Boone, Weston, WV  
Bath County Public Library, Warm Springs, VA  
Taylor and Mandi Smack, Blue Mountain Brewery, Afton, VA  
Johnson, Jody, Warrenton, VA  
William T. Berry And Kayla Sibold Berry, Millboro, VA  
Mat Hales, Norfolk, VA  
Tom Stiles, SkyShots Photography LLC, Mechanicsville, VA  
Sam Smith, King, NC  
Henri and Elaine Weems, Nellysford, VA  
PATTON BUILDING SERVICES INC, MORGANTOWN, WV  
Robert R Herman, Bristow, VA  
Charles Edwin Tyndall, Roseboro, NC  
LDR Holdings, LLC, et al, Faulkner, MD  
Lynwood B. Bridge, Shipman, VA  
Samuel C. and Sherri L. Hammett and Robert E. Hammett, Waverly, WV  
TANECCIA bligen, BRICK SOLUTIONS INC, NORFOLK, VA  
Drenette Chance aka Drenette Jarvis, Chesapeake, VA  
Edward J Myers, North Chesterfield, VA  
Carl Stewart, New Market, VA  
Helen Hamilton, Williamsburg, VA  
Nycum, Brenda, Swoope, VA  
Brenda Allanson Nycum, Swoope, VA  
Yamaka, Jo Anne Belle, Columbia, MD  
Fontaine Lawson, Richmond, VA  
MARCOS Silva, M & F Concrete, Inc., Manassas, VA  
Laurita Corde Gordon-Colmes, Frederick, MD



Helen Keitz, Mathews, VA  
Vest, Jackie, Midlothian, VA  
Ralph Ifeagwu, Apex Petroleum Corp, Largo , MD  
Retha Gay Jolley (Shaffer) Et Al, Salem, WV  
David Joseph Nadolny, Baltimore, MD  
Peter Paul Schages, Waynesboro, VA  
William Heard, James Heard, Nellysford, VA  
Betty & Charlie Alexander, Burnsville, VA  
Harold Pillar, Scottsville, VA  
JOE NEWTON, EQUIPMENT SPECIALISTS, INC., MANASSAS, VA  
Leftwich, Charles and Ruth, Gladstone, VA  
David Paulson, Herndon, VA  
Christopher R. Vann and Heather B. Vann, Rocky Mount, NC  
Estate of Robert Pegram C/O Lee Campbell, Rawlings, VA  
Beulau Proffitt, North Chesterfield, VA  
Joey Rodriguez, Virginia Beach, VA  
Danny Bullard & Sybil Jones Bullard, Pembroke, NC  
Timothy H & Beth A Dixon, West Union, WV  
Edward Rinaca, Chesterfield, VA  
The R. Graydon DeLoatche and Carolyn H. DeLoatche Trust c/o Julianne Guller, Glen Allen,  
VA  
Gorman, Sarah, Afton, VA  
Dempsie Hevener, Burnsville, VA  
Barbara Kay Sigrist, Fairfax, VA  
Robbie B. Rutherford, Shipman, VA  
Rutherford Enterprises, LLC, Shipman, VA  
Mateski, Donna, Amherst, VA  
Richard C Kirkland, Kirkland Appraisals, LLC, Raleigh, NC  
Kenneth G. Lyerly, Glen Allen, VA  
ROBERTO Firvida, GALICIA CONSTRUCTION CORPORATION, FAIRFAX STATION,  
VA  
Frank & Geraldine Korpasik, Fairfax Station, VA  
Rosa Lee Pearson And Earnest L Wyche, Chesterfield, VA  
Joseph C And April D Heatwole, West Augusta, VA  
Steven R. Elbon And Sherry L. Elbon, Buckhannon, WV  
Brent L And Deborah D Cutright, Buckhannon, WV  
Robin S. Poling, Stonewall Resort, Roanoke, WV  
Jeffrey K And Melody Roe Johnson, Shipman, VA  
Jeffrey H And Nancy J Burton, Trustees, Virginia Beach, VA  
Elaine Bright, Fishersville, VA  
Don Cromer, Churchville, VA  
Toni Ranieri, Neal Showstack, Shannon Farm, Afton, VA  
Randall D. And Tonia L. Vandevander, Jr., Lyndhurst, VA  
William B And Dorothy M Rutherford, Shipman, VA  
Shenandoah Valley Battlefields Foundation, New Market, VA  
Meredith S. Marley, SHIMAR RECYCLING INC, DURHAM, NC

John M. Tyler, Dunn, NC  
William T And Donna S Rutherford, Shipman, VA  
Pendleton Goodall, Monterey, VA  
Wright, Eugene, Mechanicsville, VA  
Thomas Hazelwood, Suffolk, VA  
John Dwayne Slaughter, Crozet, VA  
Thelma Smith, Baltimore, MD  
BRIAN KILLIAN, TENCARVA MACHINERY CO, CHESAPEAKE, VA  
Sanford, Margaret and Robert, Norwood, VA  
Charles B. Dull, II, Mechanicsville, VA  
Annika Lane, Charlottesville, VA  
Thomas W. Oliver, Winchester, VA  
KAY BLOUNT, FLUID ENERGY INDUSTRIAL LLC, CHARLOTTE, NC  
Eleanor Amidon, Afton, VA  
Marvin Jones, Washington, DC  
Frank Collier Harris, Burke, VA  
Gordon, Bob and Sherry, Henrico, VA  
Richardson, William, Norfolk, VA  
Gary Geiges, Richmond, VA  
Martha Jane & Roy Lee Mitchell, Emporia, VA  
James Parks, North Chesterfield, VA  
Norfolk Recycling Corporation C/O Stephen Warren Richard, Jr., Norfolk, VA  
Ricky D. Sipe And Brenda L. Sipe, Buckhannon, WV  
Chris Howes, Almost Heaven Builders, Buckhannon, WV  
Randall Dawson, Willbros T&D East, Millboro, VA  
Randall Wayne Dawson, Millboro, VA  
Orange, Dolores, Mechanicsville, VA  
Dana Wolverton, Waynesboro, VA  
Gonchoroff, Toni and Victor, Faber, VA  
Geraldine Dwyer Nicely, Flower Mound, TX  
Gerald Langford, Mechanicsville, VA  
Brenda Hanlon, Nellysford, VA  
Hill, John and Tracy, Afton, VA  
Gail Hobbs Page, Esmont, VA  
Lenise A. Brockington, Wilson, NC  
Diane Fields et al, Rawlings, VA  
Liz Kammeyer, Marlinton, WV  
Matt Eckleberry, Basic Systems, Inc., Cambridge, OH  
Donnie Ray & Ellen Rogerson Boyette, Kenly, NC  
Athalia M. Bland and Phyllis Bruce, Ashland, VA  
Leonard Tabacchi, Manassas Park, VA  
Beverly Schell, Nellysford, VA  
Salidis, John, Earlysville, VA  
Nicol Franklin, Portsmouth, VA  
Ernestine Morris, Norfolk, VA  
Elizabeth R Harris, Roanoke Rapids, NC

Lisa D. Pearce, Remainderman, Germantown, TN  
Linwood U. Holland c/o Donald Holland, Suffolk, VA  
Azar, Elie, Manassas, VA  
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Catherine P. Norton, Richmond, VA  
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Smiley Real Estate Trust, Staunton, VA  
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Arlo Bloom, Sam Bloom, Orion, Bloom, Constance Visceglia, Faber, VA  
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Bloom, Orion, Faber, VA  
Bloom, Sam, Faber, VA  
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Heirs of Leroy Bryant, C/O Ernestine Bosier, Washington, DC  
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Wayne M. and Cheryl Sclater, Mechanicsville, VA  
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Ruth Wallace, Virginia State University, Buckingham, VA  
Clayton Hunnant, Zebulon, NC  
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Phyllis Fevrier, Rockbridge Baths, VA  
Jonathan Kern, Middlebrook, VA  
Michael Sink, Roanoke, VA  
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Mark A Clemmons, Martinsville, VA  
Phyllis and Norman Terry, Roanoke, VA  
Fulton Conway, Old Bluff, Wade, NC  
James Bailey, Virginia Beach, VA  
Goodloe, Arthur, Afton, VA  
WILLIAM Gilliam, METALS OF DISTINCTION, INC, HAMPTON, VA  
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Obrey, Preston, Colorado Springs, CO  
William & Sue Draughon, Fayetteville, NC  
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Ruth Blackwell Rogen, Kerens, WV  
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Charles Loughlin, Clifton Forge, VA  
Linley D. Davis, Roanoke, VA  
Godwin, Philip and Shirley, Midlothian, VA



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Hall, Ruth Mary, Buckingham, VA

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Constance Godwin Boykin, Raleigh, NC  
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Megan Herceg, Midlothian, VA  
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SD Shrader, Blacksburg, VA  
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Ronald Scott, Connellsville, PA  
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Douglas Olson, Charlottesville, VA

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Mike Mitchell, Evans MacTavis Agricraft, Wilson, NC  
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Alison Peck, Charlottesville, VA  
Linda Bell Strickland, Durham, NC  
George Sharikas, SMITH MIDLAND CORP, MIDLAND, VA  
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Henry Fields, Riverdale, MD  
Ann McCoy, Chesapeake, VA  
Judis Jarratt, Emporia, VA  
Jason Hammer, Lynchburg, VA  
Granvel G. Beaney, Fayetteville, NC  
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Cleveland, Tristan, Charlottesville, VA  
L.J. Upton, III, Upton Farms, Inc., Portsmouth, VA  
Linda B. Reynolds, Etvir Etal TR, Suffolk, VA  
Margaret C. Ward C/O Christian E. Turack, Moundsville, WV  
Calvin Albertson, Chesapeake, VA  
Joe Vick, HKL INC, FRANKLIN, VA  
David Edwards, Blacksburg, VA  
Bobby Haywood Mikea, Wilmington, DE  
George Lowry, Lexington, VA  
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Garry L And Donna H Lewis, Waynesboro, VA  
Deborah Dennis, Baltimore, MD  
Connor, Lloyd, Mt. Nebo, WV  
Troy And Bertha Humphrey, Buckhannon, WV  
Engle, Thomas, Swoope, VA  
Penny, Heather, Afton, VA  
Penny, Michael, Afton, VA  
Michael Brickler, Eagle Rock, VA  
C/O Franklin Perkins; Cora Perkins, Cora Lee Perkins Life Rights Franklin Perkins,  
Buckingham, VA  
Bobbie Martin, Tarboro Edgecombe Chamber of Commerce, Tarboro, NC  
Richard C. Tillery, Jr., Seaford, DE  
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Chad W. Johnson, Bridgeport, WV  
Wilfred Boone, Suffolk, VA  
Ross Waller; Echo Valley LLC, F2 Table LLC, EV North LLC, Lexington, VA

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Charles David Brosius And Samantha Leigh Brosius, Jane Lew, WV  
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Stephen J Dube, MURPHY ENVIRONMENTAL AND LAND MANAGEMENT, L.L.C.,  
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Deborah Justice, Afton, VA  
Romero, Christine, Washington, DC  
Erin Hankins, Dalton, GA  
HAZEL F PALMER, Lynchburg, VA  
Jim Fauber, Staunton, VA  
Jim Fauber, Staunton, VA  
McCue, Elizabeth and John, Verona, VA  
Bob Nutt, Staunton, VA  
Annie Stith, Tarboro, NC  
Carol Eaves, Mechanicsville, VA  
Nathan Turbville, Richmond, VA  
Shane Spring, Crozet, VA  
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Raja, Shaukut, Herdon, VA  
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Tanya Cobb, Alexandria, VA  
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Resident, Lutherville, MD  
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Walter Graham, Berlin, NJ  
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Paul Kania, Chesapeake, VA  
David Mayle, Glen Allen, VA  
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William And Katherine May, Staunton, VA  
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Kaufman And Canoles, Pc, Williamsburg, VA  
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Jason C. Clary c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Jimmy Parker c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Juanita H. Cotton Life Estate c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg,  
VA  
Lee Campbell Et Al c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA

Lilly L. Hawthorne and Lisa L. Haver c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
Williamsburg, VA  
Marvin E. Bynum et al c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Mills Landon Copeland, et al c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg,  
VA  
Natalie W. Cogsdale, Life Estate c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
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Nell J. Daniel c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Patricia E. Mcguire c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Peter Cooke c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Raymond B. Wyche II Et Al c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg,  
VA  
Raymond E. Drake c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Richard E. Pearson Et Al c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Russell Edward L. Holland c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg,  
VA  
Terry L. Holloman And Nancy K. Holloman c/o Kaufman & Canoles, PC, Attn: William L.  
Holt, Williamsburg, VA  
Testamentary Trust Two Created Under The Will Of Richard Edward Holland c/o Kaufman &  
Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Thomas M. Tye c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Thomas R. Rountree c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
WH and BJJ INC, Attn William H. Howell, III c/o Kaufman & Canoles, PC, Attn: William L.  
Holt, Williamsburg, VA  
William D. Jones c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg, VA  
Anne McCormick, Earlysville, VA  
Tim Skidmore, Gallipolis, OH  
Mary D Pratt, Salem, WV  
Ronald Lee & Nancy L King, Sarah King, Richard King, Songbird Aviation, Nellysford, VA  
Elza, Larry, Durbin, WV  
Harold Wood, Wingina, VA  
Daniel W. Powell, Staunton, VA  
Jack Farrell, Keswick, VA  
Roger A and Joan D Geary, Churchville, VA  
Maxey, Brandy, Dillwyn, VA  
Lee Spruill, Cape Fear Senior High School, Fayetteville, NC  
Kalia Mullins, Fayetteville, NC  
Liz Friel, Living River Restoration Trust, Norfolk, VA  
Rhoda Campbell Hedrick, West Augusta, VA  
Edison Law, Jr. And Craig M. Steele, Lost Creek, WV  
Brenda Rose Vester, Nashville, NC  
Joey Biernot, Chesapeake, VA  
Kenneth M. Young, Virginia Beach, VA  
Alicia Watson, Fort Worth, TX  
Betty Kelly, Newark, NJ  
Danny Everett Smith and wife, Lawanda Michelle Smith, Virginia Beach, VA

Theodore and Rita Evans, N. Chesterfield, VA  
NICK LEVESKI JR., CPB INC., GRAHAM, NC  
Annie W Parr, Wirgina, VA  
Martha Girolami, Apex, NC  
Girolami, Martha, Apex, NC  
Lydia D. Harrell, Surviving Trustee, Suffolk, VA  
Dale E. Hays And Melissa M. Hays, Grafton, WV  
Theodore Zeunges, Woodbridge, VA  
Ladislaus Skrobiszewski, Chesapeake, VA  
Thomas M. Jones, Blackstone, VA  
Michael C. Paige, Kissimmee, FL  
Michelle Mendoza, Piedmont Natural Gas, Charlotte, NC  
Joe and Carol Pappalardo, West Augusta, va  
Jennifer Zydron, Sunray Farmers Assoc., Chesapeake, VA  
Kelly Dilbert, Dibert Valve & Fitting Co., Richmond, VA  
Kathy Shear, Apex, NC  
Bruce McDaniel, Sunray Farmers Assoc., Chesapeake, VA  
S Illingworth, Schuyer, VA  
Davis, Nancy, Shipman, VA  
Willie Oertel IV, Cumberland, VA  
Paul Zydron, Chesapeake, VA  
COLLEEN Brooks, L L BROOKS ENTERPRISES INC, RALEIGH, NC  
VICKIE BANKS, PREMIER REPROGRAPHICS INC, ALEXANDRIA, VA  
International Paper Co., Glen Allen, VA  
Will Tutt, Fayetteville, NC  
Kevin L. & Joanna R. Jones, Dunn, NC  
Stafford, Emory, Annandale, VA  
Andrew Baughman, Anderson Excavating, Morgantown, WV  
Leonard Wayne and Frances H. Edwards, Whitakers, NC  
James Estes And Virginia Campbell Powell, Faber, VA  
Gary Bryant, Afton, VA  
Smith, Ida, Shipman, VA  
Jennifer Andrews, Lexington, VA  
Merton Whitley, Jr., Smithfield, NC  
Angela P. Edwards, et al, Dunn, NC  
Christopher D. Edwards, Dunn, NC  
Matt Hamilton, Power Zone Equipment, Center, CO  
Michael Gary Nold, Trustee of The Michael Gary Nold Revocable Trust, Suffolk, VA  
Stephen J. Freda And Barbara K. Mason, Weston, WA  
Roy K. Holt, Stuarts Draft, VA  
Robert Bradshaw, Claremont, NC  
John Seaborne, Emporia, VA  
Daniel W. Clark, Wade, NC  
Mozart Green, Jonesborough, TN  
Erin Gooch, Virginia Beach, VA  
Brenda L And Caesar Burgess, Lithonia, GA

Leon E And Rose M Lapp, Dillwyn, VA  
Brent Jones, Philadelphia, PA  
James Garland Moon and Lillian Carol V. Moon, Nashville, NC  
Richard Downs, Dale, MD  
THOMAS LEE & SANDRA CAROL CLARK, Wade, NC  
Rajesh Krishnan, Fort Royal, VA  
Linda Geddis, Sunray Farmers Assoc., Chesapeake, VA  
Michael Stelmach, Chesapeake, VA  
Chris Miller, Pacificon Multimedia LLC, Castle Rock, CO  
Herman Blount, Jr. and Terence Wayne Blount, Gaston, NC  
Martha H. Hallows, Jacksonville, FL  
Lee Stewart, Radford, VA  
Robert T & Beatrice M. Ash, Hopedale, OH  
Walter Hall, Roseland, VA  
Antoine McGill, Seabrook School, Fayetteville, NC  
Fleming, Belinda, Chesapeake, VA  
Estate Of Charles Edward Taliaferro, Jr., Oakwood, GA  
Margaret Rommen, Virginia Beach, VA  
Sydney Round, Richmond, VA  
Emily Kline, Richmond, VA  
Joyce Coggsdale Harrell et al, Suffolk, VA  
Robert L. Harrell, Jr., et al, Suffolk, VA  
Joshua L. Surock And Liza N. Surock, Weston, WV  
Karen D. Williams, Willimantic, CT  
Mr. and Mrs James Shelton, Glen Allen, VA  
William Arroyo, Onpoint Security, LLC, Virginia Beach, VA  
David Holt, Newport News, VA  
Marv Seifried, Woodbridge, VA  
William H. Gordon, III, Olney, MD  
Frederick Ready, Baltimore, MD  
John Dever, Thomas Nelson Community College, Williamsburg, VA  
L.B. Felton, Chesapeake, VA  
WILLIAM OEHLISCHLAGER, CENTRAL DIESEL INC, RICHMOND, VA  
Tobyn Anderson, Heathsville, VA  
Craig Biggers, Keysville, VA  
Joan Eldridge Aka Joan Janak, Cary, NC  
Betty Jean Wiley, et al, Colonia, VA  
David Ricky Godwin Jr, Selma, NC  
Kent Smith, Marietta, OH  
Gray Dickson, Friends Of Nelson, Arrington, VA  
Charlie Wineberg, Friends of Nelson, Nellysford, VA  
Jason Halbert, Friends of Nelson, Nellysford, VA  
Mitch & Laura Fleishman, Friends of Nelson, Nellysford, VA  
Wesley Scott, Rootstown, OH  
Clasby, Valerie, Greensboro, NC  
JOHN PAYNE, THEROS EQUIPMENT INC, NEW BALTIMORE, VA

Dunnagan, Huby and Bettie, Burnsville, VA  
Don Moyers, Swoope, VA  
Donald C Staver, Shipman, VA  
Botting, NW, Florissant, CO  
Gene B. & Susan B. Thompson, Lumberton, NC  
Berke Glenn, Millboro, VA  
Danielle Jones, Sparks, NV  
Jeffrey Francis, First Cut Design & Fabrication, Spartanburg, SC  
Ruth B And Winifred Jr Smith, Hot Springs, VA  
Anthony Clark, Southeastern Community College, Whiteville, NC  
Johnson Locklear, Pembroke, NC  
Faye Mcrainey Reaves, St. Pauls, NC  
Lynn and Harold Grayson, Roanoke, VA  
James Alley, Columbia, VA  
Thomas Richey, Chesapeake, VA  
Carol Nettles, Chesapeake, VA  
Annie Ruth Johnson, Benson, NC  
SAMMY F & BEVERLY R WARREN, Wade, NC  
Nancy Parrish Watson, Freeman, VA  
Shepherd Grain Farms, LLC C/O John P. Shepherd & Sarah Cox, Blackstone, VA  
James L. & Wanda A. Dail, Wade, NC  
James Lovette Dail, Wade, NC  
Saidee Ruth Gibson, Staunton, VA  
Charles Lewis Simmons, Staunton, VA  
Gilbert, C.P., Hollywood, MD  
Rosemary Moyers, Chesapeake, VA  
William Lloyd Watkins, WILLIAM L WATKINS, TROY, VA  
FREEDS PROFESSIONAL CARPET, BRIDGEPORT, WV  
Ike Morris, Buckhannon, WV  
Roy Carr, Buckhannon, WV  
Heidy Garcia, Marand Builders, Inc., Charlotte, NC  
Bettie B Karicofe, Churchville, VA  
Earl S Kiracofe, Jr, Churchville, VA  
Edna M Kiracofe Et al, Churchville, VA  
James Barton, Friends of the GW Forest Against Fracking, Monroe, VA  
James Barton, Friends Of The Gw Forest Against Fracking, Monroe, VA  
Vaughn Wilson, Virginia Beach, VA  
Southside AG Enterprises, LLC, Blackstone, VA  
William Basnight, Sunray Farmers Assoc., Chesapeake, VA  
James Blagg, Doe Hill, VA  
Guy Goddard, Hardesty Concrete Construction Inc., Sterling, VA  
Wade A & Eliz G Neely, Annandale, VA  
Hellon Matthews, Fayetteville, NC  
A. Q. and Barbara L. Ellington and Allman Q. Ellington III, Burkeville, VA  
Zydron, Michael, Chesapeake, VA  
Kim Schmidt, Virginia Beach, VA

John N Hester III, Richmond, VA  
Dennis Rushing, Cape Fear Land Management, Incorporated, Wilmington, NC  
Sharon Summers, Faber, VA  
George Raymond Seay, Hampton, VA  
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James Michael Hall, Hope Mills, NC  
Jeremy Creasey, Richmond, VA  
Wesleigh Cochrane, Richmond, VA  
Christopher Mielke, KCI Associates of North Carolina, PA, Raleigh, NC  
Dale Connor, McKenney, VA  
Walso, Larua, Glen Allen, VA  
Debra Ingram, Ruhrpumpen, Inc, Tulsa, OK  
Donald O. Saunders, Moseley, VA  
James Rodgers, Rodgers Excavating, Shipman, VA  
PATRICK LYNCH, NONSTOPDELIVERY INC., CHANTILLY, VA  
Erica Carter, Kimley-Horn and Associates, Inc, Virginia Beach, VA  
Barry Shawley, Nellysford, VA  
Jen Fuller, Swoope, VA  
William D And Judy L Matthews, Lovingston, VA  
Dennis R. Melton, Buckhannon, WV  
Runfols, Steven, Morgantown, WV  
David Houston Bray, Staunton, VA  
Holstein, Nancy, Jackson, NJ  
Glover Farms Of Virginia, LLC, Pleasant Hill, NC  
Gillies P And Karen K Rodgers, Shipman, VA  
Jerry Todd, E-finity, Clarksburg, WV  
Linda Coleman, Matthews, NC  
Doretha Dickens, Brooklyn, NY  
Debbie Goodin, Slaty Fork, WV  
Wendy Bullock, Suffolk, VA  
Staron, Ginger, Afton, VA  
Elizabeth Tumilty, Virginia Beach, VA  
Beverly Meyer, Woodbridge, VA  
Donald P. Hicks, Weston, WV  
Heather Grogg, Weston, WV  
George Richmond Files, Jr., Orange, NJ  
Tim White, White Brothers Consulting, LLC, Charleston, WV  
Lee Snyder, White Brothers Construction, LLC, Charleston, WV  
Robert E. & Ruth A. Childres, Liberty, NC  
Charles Kelley, Deerfield, VA  
GABY L RENGIFO, One Of A Kind Landscapes & Home Remodeling, Inc, Yorktown, VA  
Punton, Wendell, Shipman, VA  
Turner, Rebecca T, Shipman, VA  
Dorothy Roberta Johnson, Lillington, NC  
Jay Keldsen, MESA Products, Inc, Tulsa, OK  
Thomas Jenkins, East Bend, NC

Arostegui, Carlos, Wingina, VA  
Carlos B Arostegui And Alexa M Boker, Wingina, VA  
Thomas Barham, Winston Salem, NC  
Saunders, Charles, Gastonia, NC  
Wilbur A. Bowden and Connie N. Bowden, Nashville, NC  
Wilbur Boudier, Nashville, NC  
Kamlar Corporation, Rocky Mount, NC  
Jeff Pham, Bunty, LLC, Greenville, SC  
Mary Magalene Spivey, Suffolk, VA  
Germaine Hawkins, Raleigh, NC  
Morgan Memorial Library , Suffolk, VA  
Karl Kiracofe And Tina Kiracofe, Churchville, VA  
James F. Windley, Virginia Commercial Appraisal, Inc, Portsmouth, VA  
Frances Berney, Virginia Beach, VA  
Bobby Hairr, Eastover, NC  
Bayview Loan Service, LLC, Coral Gables, FL  
Dorothy S. and James Edouard Mayo, Portsmouth, VA  
Thomas Johnson, Amerizon Wireless, Fayetteville, NC  
Jerry V. Armentrout, Bridgeport, WV  
Carson Parke Ashburn and Charlene D. Ashburn, Suffolk, VA  
Kinney, Jane, Wilmington, NC  
Catherine L. Fields, Rawlings, VA  
Deborah Mills, Suffolk, VA  
Carl W. Clements, North Dinwiddie, VA  
Tatem, Adam, Virginia Beach, VA  
Christopher M. Park, Durham, NC  
Debra Jo Heater, Jane Lew, WV  
James David Matthews, Roanoke, VA  
Resident, Midlothian, VA  
John H. & Helen Carter, Fayetteville, NC  
James and Hilda Hogge, Richmond, VA  
Rank, Cindy, Rock Cave, WV  
Ralph Thomas, Baltimore, MD  
HUGH GORDON, CROSS SALES & ENGINEERING, GREENSBORO, NC  
Hugh V. Farm, LLC, Murfreesboro, NC  
Southeastern Public Service Authority of Virginia c/o Willcox Savage, Attn: Nathaniel P. Tyler,  
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Dawn Zimmerman, Residence Inn Marriott, Waynesboro, VA  
Wayne Alexander, Blue Ridge, VA  
Nancy Holstein, Jackson, NJ  
Nathan Saunders, Savannah, GA  
Lisa Coles, Staunton, VA  
Vermeulen, Mary, Waynesboro, VA  
Vicky Frances Leake Zapata, Ashburn, VA  
Bobby Dale Shannon Ennis, Four Oaks, NC

Robert Darnall Et Al, Corvallis, OR  
James Emerson, Jr., Danville, VA  
Elizabeth Adams, Emporia, VA  
Elizabeth C Wedge, Chardon, OH  
W.G. Dudley, Jr., Dudley Electric, Staunton, VA  
Eddie Walters, CRPA, Millboro, VA  
Ann Catherine Briddell, Afton, VA  
Edna Oakes, Suffolk, VA  
Butch Ramos, International Brotherhood of Electrical Workers Local Union 26, Lanham, MD  
Joshua Pearson, Swanson Industries, Morgantown, WV  
Thomas Pratt, Chesapeake, VA  
Hank W. Roadcap And Andrea McWhorter, Deerfield, VA  
Lennice F. Werth, Crewe, VA  
Melody Miko, Waynesville, NC  
Darren and Jackie Orrock, Chesapeake, VA  
Gavin Michaels , Local Union 798, Ridgeley, WV  
Hoadley, Kellson, Travis, Stanardsville, VA  
John W. Brown, III and wife, Cora C. Brown, Whitakers, NC  
Patricia Houlihan Edwards, Leesburg, VA  
Virginia Forestry, LLC, Dolphin, VA  
Kathy Howell, Howell Design, Inc, Williamsburg, VA  
Greg Alford, Specialty Fab & Manufacturing, Waynesboro, VA  
Chip Ribelin, Mather Construction Team, Waynesboro, VA  
RHAMONIA WOODSON MOORE, Heirs Of Hester Bell Johnson, Wingina, VA  
June H. Gladding, Fairfax, VA  
Sandra Knight, Suffolk, VA  
Eric Neal, Smithfield, NC  
Marilyn S Harkins, Chesterfield, VA  
Anne Brock Walker, Williamsburg, VA  
ROBERT W ALLAN, Battery Specialist, Inc., The, Virginia Beach, VA  
M and D Bethune, Harrisonburg, VA  
Mary Billingsley, Winston-Salem, NC  
Gloria Longest, Chester, VA  
Charles Hubbard, Oessco, Chesapeake, VA  
O Scott, Fredericksburg, VA  
Laura Wolf, Afton, VA  
Meredith Mead, Diverse Nuclear Staffing, LLC, Wadesboro, NC  
Jeffrey Davis, Public Staff, Gas Division, Raleigh, NC  
Bernard Heyward, Elite Enterprise unlimited LLC, richmond, VA  
Vanessa Wydeven, Falls Church, VA  
Douglas Worth Humprey, Lumberton, NC  
Bruce Martin, Fayetteville, NC  
Fire Five Inc, Portsmouth, VA  
Ruleman, LLC, Deerfield, VA  
John Ruleman, Deerfield, VA  
Walter Deal, Branscome inc, Williamsburg, VA



Darrell Dees, ARC3 Gases, Laurinburg, NC  
Ireland, Timothy and Andrea, Afton, VA  
MICHAEL R GRAY, Exhibit Edge, Inc., Chantilly, VA  
Rockelle, Florence, South Chesterfield, VA  
Long, Rodney, Charlotte, NC  
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PA  
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Michael Coughlin, attorney, Woodbridge, VA  
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Felicia M. Boulware, Baltimore, MD  
Kevin, Blanche Jastrebsky, Chesapeake, VA  
Fred Moore, Virginia Beach, VA  
Won Two, LLC, Weston, WV  
James R Patton, Clarksburg, WV  
John E. Skvarla, Raleigh, NC  
Eric Archer, South Chesterfield, VA  
Hart, Katherine, Richmond, VA  
Zaman, Najia, Chantilly, VA  
Thomas H & Rosemary Leasure, Pinellas Park, FL  
Michael Williams, Sandston, VA  
John Francis, Charlottesville, VA  
Stone, Sharon, Charlottesville, VA  
JOHN E KARAFI, LEEBCOR SERVICES, LLC, WILLIAMSBURG, VA  
Van Dyson, Albany, NY  
Colleen Shanley, Arlington, VA  
Herring, Larry and Maura, Nellysford, VA  
Gary D Sr & Rebecca M Martin, Salem, WV  
J. Laurence, Enfield, NC  
Darrell Barlow, Buckhannon, WV  
Donna Armentrout, Buckhannon, WV  
Margaret (last name not provided), Fayetteville, NC  
Ben Siron, Crimora, VA  
Wendy Harris, Roseland, VA  
Victor Ward, Nash Central High School, Rocky Mount, NC  
Rick Pyles, Statoil , Hannibal , OH  
William Alston, Jr. a/k/a Chester Alston, Jr., Halifax, NC  
Kessler, David, Bear, DE  
Darius Garrett, Salem, VA  
Justin Loy, Mid-States Supply, Clarksburg, WV  
Susan and Harry Baldwin, Swoope, VA  
Norris Tolson, Carolinas Gateway Partnership, Rocky Mount, NC  
Oppie Jordan, Carolinas Gateway Partnership, Rocky Mount, NC  
Tyler E Shaffer, Griffin, GA  
Gregory K. & Natalie E. Pittman, Selma, NC  
Gregory and Natalie Pittman, Selma, NC

John Teel, North Garden, VA  
Paul Flesher, Bridgeport , WV  
Marcie Martinez, Faber, VA  
Rolf Richard Anderson, Falls Church, VA  
Julia Speilsburg, Weston, WV  
Catherine Olinger, Quicksilver, VA  
Laura R. Martin, Chester, VA  
NORRED Poindexter, Stanza Corporation, VIRGINIA BEACH, VA  
Stephen Micah Huff, West Augusta, VA  
Daphne Reed, Madison, FL  
Duncan Lorimer And Maura McLaughlin, Morgantown, WV  
Koerschner, Kathryn, Blacksburg, VA  
Meredith D. Kowalczyk, Ashburn, VA  
Sam Dietzel, Wake Forest, NC  
ELIZABETH Funk, Ranger Construction Company, Inc., Charlotte, NC  
Weis, Bill, Lynchburg, VA  
Judith Hinch, Chesapeake, VA  
Michael Johnson, Ruther Glen, VA  
George Ross Francis, Pacifica, CA  
Kathleen B Mahanes, Staunton, VA  
Brian Hopkins, Northern Nash High School, Rocky Mount, NC  
Milton And Sara B McGann, Nellysford, VA  
Jeremy Boggs, Virginia Wilderness Committee, Fairfield, VA  
Neale, Laura, Fairfield, VA  
Laura Neale, Fairfield, VA  
Michelle Hylton-Jones, Richmond, VA  
Anderson, Rolf, Falls Church, VA  
Alphonsa Brown, Corpus Cove, TX  
Natasha Whitlock, Buckhannon, WV  
Samuel Lee Hamlett, Dillwyn, VA  
Gurpreet "Gifty" Bains, CES Consulting, LLC, Chantilly, VA  
Dolly Mae Mayfield, Suffolk, VA  
Scott D. Deitrich, Haymarket, VA  
Curley McDonald, Fayetteville, NC  
Irene Ellis Leech, Elliston, VA  
Cooper, Gaile, Nellysford, VA  
R Craig and Gaile S Cooper, Nellysford, VA  
Phil Fisher, Portsmouth, VA  
Dave Breen, Trade Team, LLC, Chesapeake, VA  
Janice Schmidt, Frontier Lawncare And Landscape, LLC, Aldie, VA  
Goode Family Ltd Partnership, Richmond, VA  
Tyler Whitlel, Virginia Beach, VA  
Patricia N Reams, Richmond, VA  
BILL Sigmon, KENNEDY OFFICE SUPPLY COMPANY, INC., RALEIGH, NC  
Blue Marlin Enterprises, LLC, Chesapeake, VA  
Paula E Freeman, Gonzales, LA

Raymond Wiley, Richmond, CA  
VAMAC INC, RICHMOND, VA  
Bertrand Korngay, Virginia Beach, VA  
Michael Massinople, Mabscott, Nitro, WV  
Douglas Berkley, Noise Solutions, Sharon, PA  
William Jastrebsky, Chesapeake, VA  
Lacy Pullen Coley, Louisburg, NC  
Scott Miller, Staunton, VA  
Scott Miller, Staunton, VA  
Michael Lipford, The Nature Conservancy Allegheny Highlands Program, Hot Springs, VA  
Lynne Kinyon, Larry Kinyon, Gaston, NC  
Lakshmi Fjord, PhD, Union Hill Freedman Family Research Group, Charlottesville, VA  
S. Vinson, Charlottesville, VA  
Shawn Edward McLain, Staunton, VA  
Wayne, Betty, And Shawn McLain, Staunton, VA  
R.A. Perry, Newport News, VA  
Joyce Carolyn Smith, Leicester, NC  
Billy Eugene Kelly, Mt. Solon, VA  
Stephen Mark Ash, West Union, WV  
Leslie Benz, Afton, VA  
Dawn Barrett, Pocahontas Co. Comm, Barton, WV  
Carolyn Sue Campbell, Buckhannon, WV  
Barbara Jacobs, et al, Fayetteville, NC  
Col. Sparky D. Edwards, M.A., Black Ops Security, Woodbridge, VA  
Karen Rehm, Williamsburg, VA  
Kathy Nell Hair Radcliff, Oak Island, NC  
Lana Lambert, Afton, VA  
Danny Beverly, Fredericksburg, VA  
Thomas R. Forrester and Sandra G. Forrester, Blackstone, VA  
William Douglas Fulghum, Fayetteville, NC  
Kurt Newbrough, Audubon, Clarksburg, WV  
Fortner, Angela, Virginia Beach, VA  
Brenda Keys, CHEMcorr, Inc, VIRGINIA BEACH, VA  
Jason L. Vinson and Ashley W. Vinson, Battleboro, NC  
Connie Burgess, Pruden Center for Industry / Technology, Suffolk, VA  
Jeffery H & Elizabeth A Tichinel, Salem, WV  
Dayna Price Aldredge, Raleigh, NC  
Clint Baldwin, Icon Sign & Lighting, Farmville, VA  
Thomas Baldwin, Icon Sign & Lighting, Farmville, VA  
Elkins-Randolph County Public Library, Elkins, WV  
Brenda Pope, Lumberton, NC  
Michael Mills, Fayetteville, NC  
Susan Mills, Fayetteville, NC  
Cynthia Blanks, Lumberton, NC  
Della Williams Aka Marilyn Williams, Philadelphia, PA  
Faith and John Braziel, Ridgeway, VA

James Poland, Blacksburg, VA  
Campagna, Salvatore and Donna, Millboro, VA  
North Carolina Northeast Alliance, Williamston, NC  
Richard Bunch, Nc Northeast Alliance, Willamston, NC  
Vann Rogerson, Nc Northeast Alliance, Willamston, NC  
John Green, Weldon High School, Weldon, NC  
John W. Whitmore Sr. Revocable Trust, Yorktown, VA  
John W. Smith, Weldon, NC  
Joanna Solidis, Afton, VA  
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Evan D Johns, Appalachian Mountain Advocates, Charlottesville, VA  
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H.G. Bussard Jr. , Deerfield, VA  
Ernie Pearson, Nexsen Pruet, Raleigh, NC  
Stuart Umpleby, Arlington, VA  
Nicole Peterson, Plain View School, Dunn, NC  
William E McClain, Clarksburg, WV  
John W. Watkins, Baltimore, MD  
J.W. Simmons, Clinton-Sampson Chamber of Commerce, Clinton, NC  
Kaitlin Adkins, Clinton-Sampson Chamber of Commerce, Executive Director, Clinton, NC  
Janna Bass, Clinton-sampson Chamber Of Commerce, Executive Director, Clinton, NC  
Nottoway County Library , Crewe, VA  
L Knight Enterprises, Capital Heights, MD  
James and Lorraine White, Monterey, VA  
Jim and Lorraine White, Monterey, VA  
Patricia McKnight, Royal Quality Maintenance inc, Rocky Mount, NC  
Linda P. Galbreath, Lumberton, NC  
Mossette Lee and Doris Butler, Clinton, NC  
Robin Koors, North Chesterfield, VA  
Susan Posey, Norfolk, VA  
Frank K. Harney, Jr., Fort Washington, MD  
ALAN KIDWELL, KIDWELL AUTO PARTS INC, PARSONS, WV  
Joshua Richard Laidler, Buckingham, VA  
Moore, Jerry, Decatur, IL  
Ronald & Virginia Kincade, Woodbridge, VA  
17-21 LLC, Suffolk, VA  
17-24 LLC, Suffolk, VA  
17-30 A, LLC, Suffolk, VA  
CHARNELL WILLIAMS BLAIR, Suffolk, VA  
GEORGE M & CHARNELL W BLAIR, Suffolk, VA  
Charles Alexander, Virginia Beach, VA  
Lacy A. Crumpler, Jr., Fayetteville, NC  
Amy Gulick, Williamsburg, VA  
Mike Graney, Cheat Mountain Club, Charleston, WV  
Pat Graney, Cheat Mountain Club, Charleston, WV  
Ron Pearson, Cheat Mountain Club, Charleston, WV

Chesapeake Wetland Mitigation Bank LLC, Baton Rouge, LA  
Betsy P. Brantley, Franklin, VA  
Kessler, Mary, Fair Play, SC  
Clyde Sifford, Edwards, Inc., Spring Hope, NC  
Joel Lee, Edwards, Inc., Spring Hope, NC  
Johnny Tripp, Edwards, Inc., Spring Hope, NC  
Rhonda Bridgeman, Chesapeake, VA  
Roger Phillips, Mutler Fort, WV  
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David Mustine, Jobsohio, Columbus, OH  
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Allen Brothers Company, LLC, Louisburg, NC  
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Trust For Assets Of Ann Rusmisell, Clarksburg, WV  
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David Houston, Fredricksburg, VA  
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Blackley, Charles, Staunton, VA  
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Jane Seay - Wimbush, Virginia Beach, VA  
Carol McNeill Murphy, Red Springs, NC  
Rosa Raffaele, Brooklyn, NY  
Joe Sabatino, Elkins, WV  
Edwards Joint Declaration of Trust, C/O Daughtry, Woodard, Lawrence & Starling, Attn: Luther  
D. Starling Jr., Smithfield, NC  
Bernard Odell Ready, Jr., Capitol Heights, MD

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Kathleen Klumpp, Charlottesville, VA  
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Clarksburg-Harrison Public Library, Clarksburg, WV  
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Dixie Land Corporation, McKenney, VA  
Blankingship And Keith - Paul Terpak, Fairfax, VA  
Glasgow Revocable Trust, dated May 3, 2018, Durham, NC  
Robert Gibson, San Diego, CA  
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Churchville Library , Churchville, VA  
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DeHart, Michael, Afton, VA  
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Baker, Robert, Dillwyn, VA  
Peter Kapuscinski, Dillwyn, VA  
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Roseburg Resources Company, Springfield, OR  
Berthoud, Heidi Dhivya, Secretary, Friends Of Buckingham, Buckingham, VA  
Heidi Dhivya Berthoud and Réjean Rishi Dion, Buckingham,, VA  
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Otis Cecil & Lucille Marie Hicks, Weston, WV  
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Charles Carper, Portsmouth, VA

John Maybee, Eileen Maybee, Nellysford, VA  
Nancy McMoneagle, The Centre, Inc. D/b/a/the Monroe Institute, Faber, VA  
The Centre, Inc. D/B/A The Monroe Institute, Faber, VA  
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Pottes, James, Midlothian, VA

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Joseph L. Dyson, Baltimore, MD  
Mitch Tedeschi, Midlothian, VA  
, Plumbers & Pipefitters 625 – Charleston, Charleston, WV  
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Genel Oxendine Blue, Shannon, NC  
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Kathy Fraugl, Fairfield, VA  
Andrew Delamarter, Afton, VA  
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Charles Harrington Irrevocable Trust, dated May 18, 2015, Kirsten Harrington Cooper Trustee,  
Roanoke, VA  
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Marshall, Betty, Barboursville, VA  
T.J. Eiden, Quality CCTV Systems, Inc, Richmond, VA  
Pearce, Deborah, Charlotte, NC  
Tom Shipley, Slatyfork, WV  
Shelby Bruguere, Keller Williams Realty, Charlottesville, VA  
Dorothy Fields Stanley, Washington, DC  
Felicia Fields, Washington, DC



Chuck Smith, Charleston, WV  
Tom Johnson, Front Royal, VA  
Mark Wigal, Rettew, Masontown, WV  
Ron Leigh, King`s Fork High School, Suffolk, VA  
Christopher Ray Petway, Fuquay Varina, NC  
Wayne Trull, Rocky Mount Luncheon Lions Club, Rocky Mount, NC  
Kenneth W Jr And Anne A Norwood, Lovingston, VA  
Charles F. Wulf, Sr., McKenney, VA  
CHARLES F WULF SR, Mckenney, VA  
Peggy S. Burroughs, Glen Allen, VA  
Bobby Ray Lowery, Shannon, NC  
Richard W. Hayward C/O Johnson Gardy & Associates Attn: Jesse Johnson, Suffolk, VA  
Carol Ann Crosby, Midlothian, VA  
Michael Farris, Central Virginia Community College, Lynchburg, VA  
Shirley Fields Mannly aka Shirley Fields Manley, Washington, DC  
Pamela Atkins Layman, Prospect, VA  
Angie Rosser and Autumn Crowe, West Virginia Rivers Coalition, Charleston, WV  
Autumn Crowe, WV Rivers Coalition, Charleston, WV  
Myia Welsh, WV Rivers Coalition, Charleston, WV  
Matt Cooper, Momentive, Friendly, WV  
George and Anne VanLaethem, Chesapeake, VA  
Price, Jacqueline, North Chesterfield, VA  
Carolyn Johnson Morgan, Trustee, Fayetteville, NC  
Carla Barrell, Hardy, VA  
Courtney McShane, Wilbros, Bridgeville, PA  
Viets-Wood, Kasha, Palmyra, VA  
Jennifer Presson, King`s Fork Middle School, Suffolk, VA  
LARRY LAMANCA, AMERICAN DOOR & GLASS - SOUTHWEST VIRGINIA, INC.,  
SALEM, VA  
William Snowden Hunter, Staunton, VA  
Ann Wachtel, Afton, VA  
Windamar, Inc., A West Virginia Corporation, Ijamsville, MD  
Dick Averitt, Sandi Averitt, Nellysford, VA  
Eve Gaige, Palmyra, VA  
The Westminster Reformed Presbyterian Church, Suffolk, VA  
Heirs of Lillian D. Jones, Loganville, GA  
Ralph & Bertha Crabtree, Clayton, NC  
Rebecca Smith, Trustee, Suffolk, VA  
Ernest Bowling, Rebecca Bowling, Dillwyn, VA  
Joseph Biernot, Chesapeake, VA  
Dan Robey, Clarksburg, WV  
Sam Flowers, Eastern Petroleum, Enfield, NC  
Russell Holt, Slatyfork, WV  
Dewayne Mayle, Clarksburg, WV  
Lindsey and Rob Mezenotte, Afton, VA  
Charles Gene & Diana M Underwood, Smithville, OH

Bruce W Exum, Jr., ATLANTIC MARINE CONSTRUCTION COMPANY, INC., VIRGINIA  
BEACH, VA  
Bobby Lowery, Shannon, NC  
China Renee Lowery, Shannon, NC  
Resident, Shannon, NC  
Chip Harris, Roanoke, VA  
Willie Geddie, et al, Wade, NC  
Diane Pitcock, New Milton, WV  
Howard Turpin, Salem, VA  
Tracey M Ellington And Anthony Q Ellington Sr, Rice, VA  
Edith Goff, Salem, VA  
Resident, Fayetteville, NC  
TERRY CALVIN DENNY GREENE, Fayetteville, NC  
Virginia Greene, Terry Greene, Fayetteville, NC  
Lisa M Vaughan, New York, NY  
Harold O. & Dorothy D. Matthews, Life Estate, Hope Mills, NC  
WISSAM ZAATAR, ZAATAR SERVICES INC, CHARLOTTESVILLE, VA  
Bonnie V. Ralston, Trustee, Deerfield, VA  
Carson and Bonnie Ralston, Catherine G. Van Fossen And Bonnie V. Ralston, Trustees Of The  
Catherine G. Van Fossen Trust Agreement Dated July 20, 2009, Deerfield, VA  
Maxine G. Davis, Buckhannon, WV  
Jimmie Wayne & Mary Darlene Allen, Selma, NC  
Liz Valsamidis, ERM, Clinton, PA  
Mary L. Tenney, Buckhannon, WV  
Joel Miller, CONTAMINANT CONTROL, INC., HOPE MILLS, NC  
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David Michael Bell & Janice Sue Bell, Columbus, OH  
Harriet F Hammons Et Al, Columbus, OH  
Susan Baker, William Francisco, Staunton, VA  
Susan Baker, Staunton, VA  
Laura Dean Bennett, Marlinton, WV  
Paula Mergl, Eastlake, OH  
Judy Parker Bradshaw & Preston H. Bradshaw, Clayton, NC  
Jean W. McLaurin, Eastover, NC  
Hanna Abrahams, Fayetteville, NC  
Michael Wildman, Mill Creek, WV  
Joe Steinruck, Steinruck's LLC, Dillwyn, VA  
Jacquelyn Babbitt, Rocky Mount, NC  
Steve Throckmorton, ARC3 Gases, Lynchburg, VA  
Jennifer Aylestock Myhre, Buckhannon, WV  
David Hughes, Virginia Beach, VA  
Catherine E. McWhirt Life Estate, Chincoteague Island, VA  
MCKEETHER WILIIAMS, BURNEY & BURNEY CONSTRUCTION COMPANY, INC.,  
GREENVILLE, NC  
Joshua P Anthony, Shenandoah Tower Service, Ltd., Staunton, VA  
Ronald Upchurch, Raleigh, NC

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Hampton Roads Beaglers, Incorporated, Norfolk, VA  
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Jean Ripley, Greensboro, NC  
Dimitri Klimenko, Fairfax, VA  
Molsie Petty, Staunton, VA  
Amanda Smith, Afton, VA  
Gregory L. Gurrant, Pompano Beach, FL  
J.D. Cromer, Churchville, VA  
Franklin P. Tenney And Delores A. Tenney, Buckhannon, WV  
David Crabtree, Nellysford, VA  
Terry , Terry Repair Services & Road Call Services, Goshen, VA  
James Stephen Hicks, Buckhannon, WV  
Ronnie Mullens, Buckhannon, WV  
Drew M West, Trident Security, LLC, SUPPLY, NC  
Steven R. McLaughlin And Rebecca S. McLaughlin, Buckhannon, WV  
Chris Lane, Ronald Lane Inc, Clarksburg, WV  
Ronald Lane, Ronald Lane Inc, Clarksburg, WV  
Sharon Spevock, Ronald Lane Inc, Clarksburg, WV  
Bennie & Josie Bennett, Salem, WV  
Adam Morse, Staunton, VA  
Willis B. Howard Jr., Nellysford, VA  
Ernie Lane, Hampton, VA  
Colby G And Rebecca A McMullen, Staunton, VA  
Loring M. Hensley, Elkton, VA  
Louis A & Yvette J Ravina, Staunton, VA  
Ronald Weese And Myrtle Weese, Jodie Weese, Buckhannon, WV  
David D. Makel, Martha Makel, Nellysford, VA  
Shaun R. & Christie L. Curran, Middlebourne, WV  
Edward Gene Gibson, Slatyfork, WV  
David E. Drake, Jr., et al, Eastover, NC  
Deborah Russell, Nansemond - Suffolk Academy, Suffolk, VA  
Kimberly Aston, Nansemond - Suffolk Academy, Suffolk, VA  
Michelle Horton, Nansemond - Suffolk Academy, Suffolk, VA  
Nancy Webb, Nansemond - Suffolk Academy, Suffolk, VA  
Laurcey Massengill, Benson, NC  
Michael Capella, HKA Enterprises, Duncan, SC  
Konalski, Robert, Chesapeake, VA  
Brenna Mills Law, Fayetteville, NC  
Deana Mills Spangler, et al, Fayetteville, NC  
John W. Johnson, Chesapeake, VA  
David Bryan Stanfield, Four Oaks, NC  
Eric B. Beevers And Kathy A. Beevers, Jane Lew, WV  
Robert B. Schmidt, Jr. And Barbara D. Schmidt, Rice, VA  
Real Tree Wood Corporation, Emporia, VA

Hank Murray, Bridgeport Rotary Club, Clarksburg, WV  
John F. Trump and Charlotte A. Trump, Crewe, VA  
Chantelle Casto, S.W. Group, Grafton, WV  
Julie Pomerantz and Swen Gerards, Castalia, NC  
Preston Lee And Kathy Kerby Howery, Lyndhurst, VA  
Edward Francis Goepp, Marietta, GA  
Thorn, Sumati, Buckingham, VA  
Costa, Charles, Clayton, NJ  
Margaret Dyson-Cobb, Lexington, VA  
Davis, Patricia, Franklin, NC  
Heirs of Jack and Silvia Tillery, Suffolk, VA  
Hampton Roads Holding Company, LLC, Suffolk, VA  
Mary Jane Morgan, Export, PA  
Larry Diehl, Chester, VA  
Vanderhoef, Craig and Judith, Afton, VA  
Matt Eversole, Richmond, VA  
Robert Calvin Day Jr, Buckingham, VA  
Chalmers L & Sherrie A Kemerer, Export, PA  
Yvonne P. Claiborne, Franklin, VA  
Ernest McLean, Wade, NC  
James David Batchelor, Rocky Mount, NC  
Winifred Stephenson and Eric Titcomb, Monterey, VA  
Scott Smith, Beitzel Corp, Grantsville, MD  
Robyn Demby, Chesapeake, VA  
Ellen G. Warren Life Estate, Eastover, NC  
M. Cody And Heather Meadows, Rice, VA  
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Chris Hawk, Virginia Beach, VA  
Hope Taylor, Clean Water for North Carolina, Durham, NC  
JOE BENEDETTO, RECYCLING AND DISPOSAL SOLUTIONS OF VIRGINIA, INC.,  
PORTSMOUTH, VA  
Hope Taylor, Clean Water for North Carolina, Durham, NC  
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Linda S. Burns, Clarksville, TN  
Raymond, Richard, Denver, CO  
Blair R. Edwards a/k/a Renee' P Edwards, Boykins, VA  
Andre K. & Brenda Demby Perkins, Chesapeake, VA  
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Don Mathews, Farmville, VA  
Fuller, Maggie, Bristol, TN  
Mark Decot, McGaheysville, VA  
Walter P And Diane M Lowery, Newport News, VA  
Jr Summers, Richmond, VA  
Justin W. & Brittany N. Barbee, et al, Chesapeake, VA  
James Wilson, Arlington, VA  
Wendell Rutledge, Pro-Fence, Earlysville, VA

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Ryan Quinn, Export, PA  
Brent Quinton, ACF Environmental, Raleigh, NC  
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Hoke, Lorraine, Powhatan, VA  
Timothy A & Pamela G Woody, Buckhannon, WV  
Royster L. Graves, et al, Petersburg, VA  
Amy Francis, Lexington, KY  
Leslie Francis, Lexington, KY  
Patricia Florence Huffer, Staunton, VA  
James D. Jamison, Glen Allen, VA  
Feubus, Frank and Nancy, Falls Church, VA  
Bridget R. Hamilton, Chesapeake, VA  
Marianne Mcdermott, Falls Church, VA  
Lisa A. Doby, Greensboro, NC  
G. Edmund Bullard, Jr., Wade, NC  
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Lana & Randal Peterman, Fayetteville, NC  
Daniel O'Leary, Nansemond River High School, Suffolk, VA  
Curtis Etheridge, Curtis Etheridge Construction, Chesapeake, VA  
Security 101 Norfolk, Norfolk, VA  
Abdella, Christy, Columbus, OH  
Grady Allen Blanton and Angela W. Blanton, Suffolk, VA  
Jonathon Teach, Portsmouth, VA  
Billy Chorey, Sr., Suffolk, VA  
Dawn Averitt, Emma Campbell, Nellysford, VA  
Dawn Elizabeth Averitt And Richard G Averitt, Nellysford, VA  
David Seifert, Lovingston, VA  
Blue Ridge Parkway, Vesuvius, VA  
Danny Mercado, Lakeville, PA  
Norman Phillips, Halifax, NC  
Chris Howes, Buckhannon, WV  
Leila Parke, Concord, MA  
Nancy Kern, Nellysford, VA  
Halifax County Library, Halifax, NC  
Nadine Stubblefield aka Nadine Jarvis, Hampton, VA  
James B. Sumpter And Cynthia D. Sumpter, Jane Lew, WV  
Karen Kartheiser and Alyssa Kartheiser, Afton, VA  
Paul Randall Underwood EtAl, Salem, WV  
Steve Panella, Lansing, NC  
Georgianne Hull, Staunton, VA  
LYLE CURTIS HULL & GEORGEANNE M HULL, Staunton, VA  
Friends of Central Shenandoah, Waynesboro, VA  
Hadwin, Thomas, Friends Of The Central Shenandoah, Waynesboro, VA  
Sarah Amelia Delancey, Boone, NC  
Timothy Joseph And Kathryn A Shaw, Rice, VA

Levarn Tumbling, Suffolk, VA  
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Arthur Hitch, III, Virginia Beach, VA  
Barbara Stump, Rustburg, VA  
John Max Lee, Jr & Shelley O. Lee, Benson, NC  
Kenneth Sission, Shawsville, VA  
Diane Ganiere, Fisherville, VA  
Diane Ganiere, Fisherville, VA  
Ron Meyer, Fisherville, VA  
Michelle McKinney, Nellysford, VA  
Amanda L. Guglietta, Selma, NC  
Donna O. Ennis, Et al, Farmville, VA  
Carter, Bruce, United Hospital Services, Bridgeport, WV  
Michael Tillman, United Hospital Center, Bridgeport, WV  
Craig Mintz, Froehling & Robertson, Inc., Fayetteville, NC  
Ramos, Maggie, Chesapeake, VA  
Winnie Austin, Farmville, VA  
Hope D. Herrit, Chesapeake, VA  
William Robert Hill and Lisa H. Hill, Rocky Mount, NC  
Willie Mae Booker, James Booker, Williem Booker, Buckingham, VA  
Lindsay Roberson, Honolulu, HI  
James E. & Regina L. Elkins, Chesapeake, VA  
Claudra Lee, Suffolk, VA  
Charlie Watson, Murfreesboro, NC  
Clingan, Frannie, Kilmarnock, VA  
Mike McKenrick, Wilson Supply, Morgantown, WV  
Kyle S. Smith, Chesapeake, VA  
Susan E. McSwain, Robert J McSwain, Central Virginia Land Conservancy, Shipman, VA  
Steven Gorum, Chesapeake, VA  
James L & Barbara E Wilson, Export, PA  
Rachel A. Smith, Weston, WV  
Thomas Kelley, Deerfield, VA  
Heirs of Earnest Jones c/o William D. Jones, Freeman, VA  
Cochran, Heidi, Afton, VA  
Dorothy J Suttmiller, Chesapeake, VA  
Danielle MW Fitz-Hugh, Petersburg Chamber of Commerce, Petersburg, VA  
Parker, Brian, Virginia Beach, VA  
Harry Lee Carpenter Jr. and wife, Sherry Nicole Carpenter, Nashville, NC  
Resident, Fayetteville, NC  
Daniel K. McDonald, et al, Fayetteville, NC  
Eddie Waugh, MMX Transportation, Fayetteville, NC  
Jim McPhatter, MMX Transportation, Fayetteville, NC  
Joe Scott, MMX Transportation, Fayetteville, NC  
Kathy Locklear, MMX Transportation, Fayetteville, NC  
Sharon Rhea, Crewe, VA

Mary Hill Cole, Staunton, VA  
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Judy Gotley, Suffolk, VA  
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Pamela Forte, Whitakers Lions Club, Rocky Mount, NC  
Pamela Forte, Whitakers Lions Club, Rocky Mount, NC  
Mary & Freman Mowrer, Afton, VA  
Bettie Eastwood Newsome, et al, Boykins, VA  
Oliver W. Parker and Willie Clyde Parker, Branchville, VA  
Daphne Walden Et Al, Bronx, NY  
Jean S Coffey, Swoope, VA  
P., Larry, Staunton, VA  
Harless, John, Bluefield, WV  
Kathy Dyer, Raymond Dyer, Henrico, NC  
Jason Campbell, Junior's Welding & Metal Fab. Inc, Stuarts Draft, VA  
Russell Crites And Anne Crites, Buckhannon, WV  
Teri Klug, Development Strategies LLC, Richmond, VA  
Muse, Janet, Charlottesville, VA  
CRAIG D SPARKS, Sparks Contracting, Inc., Clemmons, NC  
Rickey White, Union Run Baptist Church, Keswick, VA  
MICHAEL K Cornish, MCA Construction, Inc., Alexandria, VA  
Gregory Boso, G. L. Boso & Associates, Inc., Summersville, WV  
Yvonne Louise Nutall, Richmond, VA  
Caroline B Sheridan, Staunton, VA  
Louise Richardson, Christiansburg, VA  
Hively, Henry and Ola Lee, Bridgewater, VA  
Ted Ott, Hydraulic Service Co, Portsmouth, VA  
Mike and Jackie Collie, Rocky Mount, NC  
Matthew Watts, Libby Watts, Chesapeake, VA  
Edna Earl Jacobs, et al, Upper Marlboro, MD  
Willie G. Jacobs, Upper Marlboro, MD  
Molsie A. Petty, Staunton, VA  
Angela Hawkins, Washington, DC  
Christopher Sharpe, Piedmont Office Suppliers, Greensboro, NC  
Jared Casey, PIEDMONT OFFICE SUPPLIERS, INCORPORATED, GREENSBORO, NC  
Annie Elizabeth Bailey, Landover, MD  
Ethel Geddie, Fayetteville, NC  
Danielly Molina, Midlothian, VA  
M Taylor-Faison, Partlow, VA  
Tim Johnson, Suffolk, VA  
JoAnn H. Blair, Sedley, VA  
John Craig Quick and Miriam Munden Quick, Greenville, NC  
Johnathan Craig Quick and Miriam Munden Quick, Greenville, NC  
Kristin Leopold, Baltimore, MD  
Ken Johnson, SOUTHERN MAINTENANCE SUPPLY CO, LYNCHBURG, VA

Mary Lou and Challace McMillin, Potomac Appalachian Trail Club, S Shenandoah Valley  
Chapter, Harrisonburg, VA  
Chris Latham, Navajo Supply LLC, Hampstead, NC  
George C & Elizabeth Barker, Salem, VA  
Pierron, Peter, Englewood, OH  
Michael Kline, Elkins, WV  
The Macker, LLC, A Virginia Limited Liability Company, Staunton, VA  
Elizabeth Daystar, David Daystar, Lexington, VA  
Heins, Caroline, Charlottesville, VA  
R. Salzman, Charlottesville, VA  
Jody Carpenter, WVU Extension Service, Elkins, WV  
Ronnie Helmondollar, Wvu Extension Service, Elkins, WV  
Gregory Bailey, Scott Depot, WV  
Hiliary Day, Nellysford, VA  
Kenneth Bradley Jr., Bradley's Trucking, Waynesboro, VA  
Crandall, Betty and David, Kilmarnock, VA  
RA Myers, Troutville, VA  
Margaret Mucklo, Faber, VA  
Shad Jackson, KLX Energy Services, Vernal, UT  
Jackson River Rod And Gun Club, LLC, Monterey, VA  
Rovert D. Austin, Salem, VA  
William M Wright, Anniston, AL  
Stuart Lee Gibson, Et Al, Marlinton, WV  
H. Sam Gibson, Marlinton, WV  
Robert Bushbelk, Blackstone, VA  
Hugh McMillan, Spartansburg, SC  
Marlo Elliott, ELLIOTT CLEANING SERVICES, ALEXANDRIA, VA  
Tony Burke, North American Pipeline Inspection LLC, Pensacola, FL  
Joseph Glenn Riddle and wife, Gail A. Riddle, Hope Mills, NC  
Steve Kiesner, Woodbridge, VA  
Thomas W Stephenson, Monterey, VA  
Mary and Jack Wilson, Charlottesville, VA  
C and Tim Howeth, Buckingham, VA  
Lawrence Mitchell And Janet S Seay, Goode, VA  
Ronald Lewis Seay Et al, Goode, VA  
Louis J. Powell Jr., Halifax, VA  
Ken Nalvorsen, Harrisonburg, VA  
Brian Staver, Dominion BCPSS-ECC, Warm Springs, VA  
Bob Nutt, Valley Feed Company, Staunton, VA  
Ethel Florine White, Paterson, NJ  
Noble, Sarah, New Smyrna Beach, FL  
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Joyce Herring, Eastover, NC  
Sheila Stewart, Waynesburg Area Chamber of Commerce, Waynesburg, PA  
Dorothy P Revercomb, Deerfield, VA  
Marilyn S. Hawkins, Buckhannon, WV



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Ruth U. Theofield, Clearwater, FL  
Beth Krause, Morgantown, WV  
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Sabar Limited Partnership, Emporia, VA  
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Anne Blalock Edmonds, Warrenton, NC  
Jack Jennings, Henrico, NC  
Lund Scagg, Salem, VA  
Resident, Staunton, VA  
Devin Straub, Louisa, VA  
Yvonne Sinnie, Glen Allen, VA  
Clarence Edward Seay, Et al, Sandston, VA  
Julie Terry, Garry Terry, Ahoskie, NC  
Ramstad, Colin, Virginia Beach, VA  
Charles Jerome Freels, Berkeley Spring, WV  
Brandon Chadock, Sistersville Lions Club, District 29 L, Sistersville, WV  
Reed, William, Charlottesville, VA  
Vantisha Vaughan, Suffolk, VA  
Donald Edwards, Matheson, Greensburg, PA  
Michele Riedel, Midlothian, VA  
Barbara A. Deloatch, Suffolk, VA  
Marie Fox, Sneads Ferry, NC  
William Baxa III, Buckhannon, WV  
Diane Price Fleming, Lonisburg, NC  
Gateway, LLC, Chesapeake, VA  
james haughom, NETWORK SECURITY SERVICES LLC, VIENNA, VA  
Howard L Mayle, San Diego, CA  
Jean Simmons, Chester, VA  
Megan Gallagher, The Plains, VA  
Joseph S. Evans and Linda B. Evans, Nashville, NC  
Tim Price, Mechanicsville, VA  
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Doug Cooper, Valley Head, WV  
Patrick B Racey, RACEY ENGINEERING, PLLC, LURAY, VA  
Kimberly D. Woods, M-W ELECTRIC, INC, Red Springs, NC  
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Glen Cooper Batchelor, Wilmington, NC  
David M. Benson, Chesapeake Public Schools, Chesapeake, VA  
Jared Cotton, Chesapeake Public Schools, Chesapeake, VA  
Tim Turner, Broadway, VA  
Steve Hauerman, Chesterfield, VA  
Laura Hawkins, Washington, DC  
Juanita H. Cotton Life Estate, Franklin, VA  
Melvin Rochelle Wilson and Valerie Birden, Portsmouth, VA  
Mag's GR8T 8, LLC, Emporia, VA

Cynthia Ellis, West Virginia Highlands Conservancy, Red House, WV  
Gervase, Gretchen, Riva, MD  
Ralph Robinson, Premier Building Services, LLC, Greensboro, NC  
Cheryl Y Robinson, Global Estates Investors, LLC, Franklin, VA  
Ronald Coker, Jr, Greenville, NC  
Suzanne Mitchell, Selma Elementary School, Selma, NC  
Nick Short, Roanoke Rapids, NC  
Friedman, Sophia, Hoboken, NJ  
David Lane, Henrico, NC  
Ronnie Thomas, Madison Heights, VA  
Barbara Ann Harris, Suffolk, VA  
Bruce Nielson, GOB Services, LLC, Summersville, WV  
George Fridley, COB Services LLC, Summersville, WV  
GORDON F WILSON, Installation Services LLC, Fredericksburg, VA  
Daniel Allen Jackson, et al, St Pauls, NC  
Brooke Preston, Good Year, AZ  
Andrew Pitts Et Al, Glen Allen, VA  
Milton Gray, Crewe, VA  
Delmond P. McGlade, Stafford, VA  
Flossie Blevins, Crewe, VA  
Gary E. & Cathy A. Russell c/o Benjamin P. Lynch, Jr., Chesapeake, VA  
Junious Chester Holland, Chesapeake, VA  
Robert Dunger, Richmond, VA  
James R sides, Chesterfield, VA  
Philip Wood, Charlottesville, VA  
Helen Moulis, Virginia Beach, VA  
Chris Coleson, NEIE Medical Waste Services, LLC, Quinton, VA  
Guarino, Paul, Nellysford, VA  
Jodie Weese, Buckhannon, WV  
J. L. Thompson, Jr And Cindy Fields Thompson, Roseland, VA  
Donald C Wells Et al, Alexandria, VA  
Ajair Austin, Baltimore, MD  
David W. Anderson And Janet L. Anderson, Buckhannon, WV  
Mary Peterson, Lexington, VA  
James Leroy Mehr, Buckhannon, WV  
Barry and Daryl Williams, Harker Heights, TX  
Misty R And Carlton S Nelson, Burnsville, VA  
Stephen and Misty Nelson, Burnsville, VA  
G. Daugherty, Charlottesville, VA  
Darnell T. Griffin, Portsmouth, VA  
Jason Sorter, Charlottesville, VA  
Jerry Williams, Jerry P. Williams Hauling, Fishersville, VA  
Debra O Nash, Farmville, VA  
Triston Holipski, Mount Claire, WV  
Clinton T Roach, Dillwyn, VA  
John Rolfe Francis, Naperville, IL

Beiler Family Properties, LLC, Stuarts Draft, VA  
Rick DeMastes, Buckhannon, Wv  
Cloris Gray, Crewe, VA  
Christina Lynch Lake & Ronald L. Lake Jr., Emporia, VA  
Robert H. Sandel, Virginian Western Community College, Roanoke, VA  
Emily Diday, Roseland, VA  
Billy Banks, Staunton, VA  
Susan M Shaw, Virginia Beach, VA  
Kathleen K. Purvis, Rocky Mount, NC  
The William Otto Carroll Revocable Trust, Farmville, VA  
Wood, Agnes, Benson, NC  
Agnes Sylvia Wood, Benson, NC  
Arlie Jacobs, Red Springs, NC  
Gloria A. O'Neal, Portsmouth, VA  
Crystal Ann Ash Cunningham, Harrisville, WV  
Evan Knappenberger, Charlottesville, VA  
Lori L. Wilson; Stephen Wilson, Faber, VA  
The Carter Trust C/O Barbara P Carter, Suffolk, VA  
Domenica Nuttall, Buckhannon, WV  
Wiley Browning, Nellysford, VA  
Margaret Gardner, Cass, WV  
Atsuko Biernot, Virginia Beach, VA  
Matt Adams, Kelli Corp., Morgantown, WV  
Kelli Adam, Kelli Corporation, Morgantown, WV  
Matthew J. Adams, Kelli Corporation, Morgantown, WV  
Jonathan S And Janet T. Geldzahler, Mechanicsville, VA  
Henry Sherwood Johnson and wife, Joan P. Johnson, Four Oaks, NC  
Wendy Thurston, Beverly, WV  
Mary Booker, Hampton, VA  
Beverly S Riddell, Staunton, VA  
Marion Denne, Williamsburg, VA  
Bob Smart, So Boston, VA  
Smith, Mark, Huntington, WV  
Caldwell-Dietzel Farms, LLC, Cary, NC  
Lori Jean Woolridge, Deerfield, VA  
Casey Meadows Tharpe And Nicholas Ryan Tharpe, Rice, VA  
Carl Taylor, Virginia Beach, VA  
Mark A & Kathy S Woody, Buckhannon, WV  
Greenville Memorial Foundation, Emporia, VA  
Steve Plecker, Staunton, VA  
Linda Smoke, Waynesboro, VA  
Dr. Ella Ward, Chesapeake Rotary Club, Chesapeake, VA  
Garvey A And Brenda W Young, Gum Spring, VA  
J. Riley, Deerfield, VA  
Shirley McLaurin, Eastover, NC  
Haarar, Anna, Broadway, VA

VA

Clara Wilson, Faber, VA  
Nolan Hanson, Smithfield Civitan Club, Smithfield, NC  
Margaret C. Hawkins Revocable Trust, Rock Hill, SC  
Gail Clark, Greenville, NC  
Donovan Behny, Newport News, VA  
Charlotte Heintzman, Friendly Lions Club, Sistersville, WV  
Kathem Dalrymple, Friendly Lions Club, Sistersville, WV  
Betsy Whaley, Summerville, SC  
Heirs of Taft Fields C/O James R Fields, Rawlings, VA  
Jerry D'Amar, Clarksburg, WV  
Randy Bowers, Edwards, Inc., Greenville, NC  
Public Library of Johnston County & Smithfield, Smithfield, NC  
Brodherd, Edith, Charlottesville, VA  
Struthers Gignoux, Charlottesville, VA  
E. Lake Hensley, Rockingham, VA  
Linda G. Gavin Estate, Franklin, VA  
Marshall Helm, Roanoke, VA  
Claudia Williams, Brooklyn, NY  
Charles A. & Erin M. Harcum, Franklin, VA  
Lorraine E. Connors, Falls Church, VA  
Dawn M And Robert B Schmidt III, Rice, VA  
Allen Sasser, Pine Level Elementary School, Pine Level, NC  
Dave Burgess, Work Force West Virginia, Morgantown, WV  
John T. Scism, Bennettsville, SC  
John T. Scism, Bennettsville, SC  
Stephen Anderson, Four Oaks Police Department, Four Oaks, NC  
Jeffrey Burnett, Willow Spring, NC  
Tony Simonetta, ARC3 Gases, Norfolk, VA  
Clarence E. Williams, Jr., et al, Chesapeake, VA  
Terry Jonson, Chardon, OH  
Myra Henri Clark, Chesapeake, VA  
Michael A Godfrey, Swoope, VA  
Takeshi Imajo, Richmond, VA  
Sarah Chayes, Paw Paw, WV  
Charles D. Felts, Branchville, VA  
Michael L Darden Et als, Franklin, VA  
Gail Troy and James Troy, Shipman, VA  
Robert Musslewhite, Washington, DC  
Frank & Joan Bark, Glen Allen, VA  
David Braxton Carter, et al, Greensboro, NC  
Anthony L & Karen M Sico, Export, PA  
Trebis, Steven, Saint Louis, MO  
Natalie Roush, Carrboro, NC  
Sheila Beck, MKS GROUP LLC, ST.PAULS, NC  
Michael Rossey, Newton, MS

William Wessner, Roanoke Rapids, NC  
Donovan Shawn Hanifan, Buckhannon, WV  
Arthur "Artie" Kelley, Frankford, DE  
Rebecca Lamb, Stuart's Draft, VA  
Barbara Powell, Nashville, TN  
Christopher Brunnemer, Suffolk, VA  
DENNIS C CHARTIER, BOTTOMS BRIDGE TIRE & AUTO LLC, QUINTON, VA  
Paul, Zack, Chesapeake, VA  
Michael Stinespring, Millboro, VA  
Sandra Kirby, Virginia Beach, VA  
Carol Lindl, Virginia Beach, VA  
RODNEY WILLIAMS, D & R Williams, LLC, Richmond, VA  
Jim Zalonis, Newport News, VA  
Randolph L. Gardner, Cass, WV  
Pauline Cash, Afton, VA  
J Pennington, Richmond, VA  
John C. Barnes Irrevocable Trust C/O Scott Howell May, Trustee, Spring Hope, NC  
Janie Curtis, Waynesboro, VA  
WASTE MANAGEMENT OF VIRGINIA INC, CHESAPEAKE, VA  
Arehart, Steven, Waynesboro, VA  
Esther Delores Watkins N/K/A Esther Delores Hudson A/K/A Esther Hudson, Owings Mills,  
MD  
Rebecca Stevens, Deerfield, VA  
Jack Mingus, Froehling & Robertson, Inc, Richmond, VA  
Jack Mingus, Froehling & Robertson, Inc., Richmond, VA  
Laura Wright, Newsoms, VA  
Dean Amel, Arlington, VA  
Chanel Woods, Nansemond Parkway Elementary School, Suffolk, VA  
Austin E. Sheek, North Chesterfield, VA  
Tom & Jenny Sease, Salem, VA  
Russell G. Holt C/O Waldo & Lyle, Norfolk, VA  
RUW LLC C/O Waldo & Lyle, Norfolk, VA  
17-21 LLC c/o Waldo & Lyle, PC, Attn: Joseph V. Sherman, Norfolk, VA  
17-24 LLC c/o Waldo & Lyle, PC, Attn: Joseph V. Sherman, Norfolk, VA  
17-30 A, LLC c/o Waldo & Lyle, PC, Attn: Joseph V. Sherman, Norfolk, VA  
5 Pines Corporation c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Carolyn Culpepper, Suffolk, VA  
Betty Jo and Theron E. Koon, Sr., c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Chapman Lumber Co. Inc. c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Charnell Williams Blair c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Christopher B. & Cynthia G. Robinson c/o Waldo & Lyle, PC, Attn: Brian Kunze, Norfolk, VA  
Clarence K. & Morris C. Staton c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Diane P. Griffin Living Trust c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Eva Jones Williams Et Al c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Heirs of Taft Fields c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Holland & Farmer Properties c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA

J. Frank Holland Family Trust c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Jamie H. Rice and Leah L. Rice, c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Jane Mandeville Wetsel, c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Jordan Brothers Farm c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Joyce Coggsdale Harrell, Trustee c/o Waldo & Lyle, PC, Attn: Brian Kunze, Norfolk, VA  
Linda B Reynolds L/E c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
LKQ Lakenor Auto & Truck Salvage, Inc. c/o Waldo & Lyle, PC Attn: Joshua E. Baker,  
Norfolk, VA  
Lois B. Shriver c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Lydia D. Harrell c/o Waldo & Lyle, P.C., Norfolk, VA  
Mintonville, LLC & Upton Farms, Inc c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk,  
VA  
Norfolk Recycling Corporation c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Randolph D. Hoover c/o Waldo & Lyle, PC Attn: Joshua E. Baker, Norfolk, VA  
Terese Neblett c/o Waldo & Lyle, PC, Attn: Brian Kunze, Norfolk, VA  
The Westminster Reformed Presbyterian Church c/o Waldo & Lyle, PC, Attn: Joseph Waldo,  
Norfolk, VA  
Wilbur A. & Carolyn C. Wright c/o Waldo & Lyle, PC Attn: Stephen J. Clarke, Norfolk, VA  
Waldo And Lyle Attn: Jeremy Hopkins, Norfolk, VA  
Jake Stockman Spencer, West Monroe, LA  
Debra B Moore, Fayetteville, NC  
John T. Hargrave C/O Sever Storey Law Firm Attn: Shiloh Daum, Winston-Salem, NC  
#3 Howell Corporation, a Virginia corporation, Franklin, VA  
Lynda H. Bond, Franklin, VA  
Barbara Walsh, Lexington, VA  
Edison McCrae, SMS Energy Group, Inc, Charlotte, NC  
Anthony Aris, Locust Grove, VA  
Betsy Sharrett, Emporia, VA  
Floyd, Sam and Patsy, Afton, VA  
Tony Copeland, Williams Mullen, Raleigh, NC  
Dana Wooten, Clayton Chamber of Commerce, Clayton, NC  
Jim Godfrey, Clayton Chamber Of Commerce, Clayton, NC  
Airlie Thorne Farms of Virginia LLC, Littleton, NC  
W. K. Neal, Jr., Littleton, NC  
RICHARD HENRY DOUB, TMI TRUCK & EQUIPMENT INC., CHESAPEAKE, VA  
Sondra C. Epley, Midlothian, VA  
Doug L. McClanahan & Shelly T. McClanahan, Raleigh, NC  
Simmons, J., Colonial Heights, VA  
Matt Crowder, Crowder & White Contracting, LLC, Franklin, VA  
Green Waste Recycling, LLC, Franklin, VA  
Philip Freda, Midlothian, VA  
John Bryan Martin, Oak Island, NC  
Paula Smith, Lecanto, FL  
Linda Rae Edwards, Trustee, Virginia Beach, VA  
Plyler, Kelly, Roanoke, VA  
Guy A. And Susan Killingsworth, Deerfield, VA

Linda McAlister, Fayetteville, NC  
Norman D. Wiley, Jr, Parkville, MD  
Kim A. Horsey, Delmar, MD  
James Gordon, Winston Salem, NC  
Mike Kotarba, Right of Way Consultants, LLC, Winston-Salem, NC  
JOHN D SHELL, CAROLINA SITEWORKS, INC., China Grove, NC  
Brett Loflin, Independent Oil & Gas Association of West Virginia, Charleston, WV  
Charlie Burd, IOGA, Charleston, WV  
David Noss, Independent Oil & Gas Association Of West Virginia, Charleston, WV  
Freddie Hudson, Xylem , Garner, NC  
Daailyah Clark C/O Nettie Wills, Kannapolis, NC  
Iyanah Bailey C/o Nettie Wills, Kannapolis, NC  
Desilets, John, Stanley, NC  
Sherie Davis, S P Morton Elementary School, Franklin, VA  
Cumberland County Public Library & Info Center, Fayetteville, NC  
Holly Joe Hoover And Wanda Lee Hoover, Buckhannon, WV  
Edna V. Baehre-Kolovani, Tidewater Community College, Norfolk, VA  
Donald Chappel, Greene Alliance for Development, Waynesburg, PA  
Chuck Peoples, The Nature Conservancy American Tobacco Campus, Durham, NC  
Julie DeMeester, The Nature Conservancy American Tobacco Campus, Durham, NC  
Henrietta, Michael and J.M., Charlottesville, VA  
Craig Herndon, Virginia Community College System, Richmond, VA

J

Kyanite Mining Corporation, Dillwyn, VA  
Guy Dixon, Kyanite Mining Corporation, Dillwyn, VA  
Toni Morales, Albany, NY  
Rick Pfizenmayer, Stuarts Draft, VA  
Erik K Milnes, Staunton, VA  
Linda Hersey, Greater Augusta Regional Chamber Of Commerce, Fishersville, VA  
Michael Aulgur, Greater Augusta Regional Chamber Of Commerce, Fishersville, VA  
Marsha Musser, Charlottesville, VA  
Nick Patler, Staunton, VA  
Dell-A Corporation C/O Ann Hartzell, President, Orchard Lake, MI  
Wesley Blunt, Owings Mills, MD  
Richard Boone, Newport News, VA  
Sandra Camper, Hampton, VA  
David R. Rexroad, Buckhannon, WV  
Stan Driver, Lyndhurst, VA  
Beth Palmento, Fredericksburg, VA  
KLAUS METER & PUMP INC, DUNBAR, WV  
Rosa P Johnson, Crewe, VA  
Connie L. & Kenneth Herrick, Emporia, VA  
Gerald Conlon, Willow Spring, NC  
Jake Wilson, Wilson Fence, Lexington, VA  
Veronica Bassford, Mechanicsville, MD  
Thomas and Cyndy Epling, Cass, WV

David Myers, Nxns, West Augusta, VA  
Chesapeake Public Library , Chesapeake, VA  
The Lyle G And Donna Evelsizer Trust, Waynesboro, VA  
Christopher White, Clarkton, NC  
David A. Gillette, Louisa, VA  
Wilbur Szillat, Powhatan, VA  
Alan Claude Hill, Smithfield, NC  
Collins Rodgers Huff, Jr., Et al, Esmont, VA  
Jerold Evans, Richmond, VA  
Jimmie H. & Linda K. Leonard, et al, Crewe, VA  
Katrina McKinnon, Grays Creek Elementary School, Hope Mills, NC  
Paul Beck, Oak Hill, VA  
William L Peterson, PLM Inc., Woodbridge, VA  
Sallie Justice, Faber, VA  
Niema Fields and Renae Fields, Suitland, MD  
Derek Hansen, Neff Rental, Raleigh, NC  
Harold Lee Cochran And Sondra Cochran, Marlinton, WV  
Mildred B. Arrington Life Estate, Newsoms, VA  
DR Phillips, D R PHILLIPS, LLC, ROBBINSVILLE, NC  
Randolph D Darden Jr, Virginia Beach, VA  
Salidis, Mary, Earlysville, VA  
Debra C. Ramsey, Renick, WV  
Barry W And Susan P Dula, Deerfield, VA  
Jeffrey Fink And Sonya R Fink Hoover, Deerfield, VA  
Sidney D. Roles, Jane Lew, WV  
Clayton Russell, Vineland, NJ  
Nancy M. & Alfred J. Marchand, III, Newsoms, VA  
John Cates, Washington, DC  
Ruby Bibb Shelton, Lovingston, VA  
Donna R Davis, Lyndhurst, VA  
Viator, Brad, Alexandria, VA  
Samuel Woodson, Wingina, VA  
Gayle M. Smith and Jeffrey Ray Smith, Eastover, NC  
Ashleigh Hobson, Richmond, VA  
Kevin Metz, Hydrocarbon Well Services, Buckhannon, WV  
Bummetto, Michael, Providence Forge, VA  
Love, Donna, Afton, VA  
Tucker, Hank, Swoope, VA  
Deerfield Valley Volunteer Fire Dept Inc, Deerfield, VA  
Mark Whitesides, Afton, VA  
Woodall Farms, LLC, Henderson, NV  
Barbara J. Reed, Buckhannon, WV  
John Arthur Talton, Selma, NC  
Judy Cash, West Augusta, VA  
Fred Abbey, Nellysford, VA  
Carrington, Conrad and Dora, Albuquerque, NM



Conrad Lloyd Carrington And Dora Loretta Tisdale Carrington Revocable Living Trust,  
Albuquerque, NM  
Davis, Elsie, East Bend, NC  
Marcus Klaton, Charlottesville, VA  
Brian P. Rountree and Laura Wright, Newsoms, VA  
William T. & Penny G. Lewis, Crewe, VA  
Lance, Mark, Chalmette, LA  
Dana Walker, Hampton Roads Association of Commercial Real Estate, Virginia Beach, VA  
John L. Grohusky, Richmond, VA  
James Revercomb III, Roanoke, VA  
Mills Landon Copeland, et al, Franklin, VA  
Peter F. & Vicky E. Copeland, Franklin, VA  
Henn, William, Sutherland, VA  
Kris Unger, Falls Church, VA  
Kiquanda Baker, Norfolk, VA  
Martha D. Blair, Greensboro, NC  
Donna Gordon, Anchorage, AK  
Andrew Lloyd, Morehead City, NC  
Willis Cutchin, Charlottesville, VA  
Willis Cutchin, Churchville, VA  
Willis Cutchin, Churchville, VA  
Cutchin, Willis, Churchville, VA  
Robert Sander , Camelot Elementary School, Chesapeake, VA  
CURT C VANDERHORST, Mister Kleen Services, Greenville, NC  
Forrest Moore and Thomas Moore, Roanoke, VA  
Ercelle C. Vann, Remainderman, Newsoms, VA  
Mark Anderton, Anderton Enterprises Inc., Virginia Beach, VA  
Jocelyn Bagley, Deep Creek High School, Chesapeake, VA  
John Chappell, Chesapeake, VA  
Eckles, Brinton, Nellysford, VA  
Megan Eckles, Nellysford, VA  
Ronald Higgins, Newport News, VA  
Fenton Inn, Lilia and Will Fenton, Roseland, VA  
Fenton Family Holdings, Roseland, VA  
Fenton, Michelle, Roseland, VA  
Kevin Hardman, Hardman Truck, Weston, WV  
Seth Hardman, Hardman Trucking, Weston, WV  
Bryson Vannostrand, Vannostrand Architects, Buckhannon, WV  
Martin Rohn, Buckhannon, WV  
Susan K. Baker, Crewe, VA  
SUSAN BAKER, Crewe, VA  
Freddy M Boger And Tina Marie Harlow, Wingina, VA  
Janet Martucci, Roanoke, VA  
Charles Obaugh, Staunton, VA  
Cabell, Lawrence and Jane, Charlottesville, VA  
Edward L. Pollard, Selma, NC

Frances and Allen Piland, Fayetteville, NC  
Colleen Blossom, Hope Mills, NC  
Dazzerine Blossom, Hope Mills, NC  
Barbara Blossom, Colleen Blossom, Dazzerine Blossom, Hope Mills, NC  
Vada Kellogg, Staunton, VA  
Stephan Cronin, Jane Lew, WV  
Ruth Wagner, Buckingham, VA  
Joey Shaffer, Pennsboro, WV  
Dennis, Marilyn Collier, Four Oaks, NC  
Jeffrey Dunn, Dunn, NC  
W. Graham Farmer, Jr., Winston Salem, NC  
Michael Barlow, Mike Barlow LLC, Churchville, VA  
Bill Hoskins, Dominion, Buckhannon, WV  
John David Burch Jr, Crewe, VA  
Michael L. Hill, Jr. and Melissa Hill, Chesapeake, VA  
Clarence Eugene Scott, Jr, Utica, IL  
Rickeita Jones, Meherrin Elementary School, Newsoms, VA  
Russell F. LaForge, III, Chesapeake, VA  
Lee Ander Carter, Shannon, NC  
Betty J Mitchell Hester & Violet J Critchfield Swisher, Clarksburg, WV  
Heirs of Elmore Wyche, Hackensack, NJ  
Bennick, David, S Shenandoah Valley Chpt Of PATC, Stuarts Draft, VA  
Andrew Joshua Goodnight, Chesapeake, VA  
Jared Margolis, Center For Biological Diversity, Eugene, OR  
Wilbur S Mayle, Salem, WV  
Kathy H. Clary, Chesapeake, VA  
Donna Sue Ruffner, Melbourne, FL  
Robert E. Brincefield, Jr. And Terri Lynne Brincefield, Pompano Beach, FL  
Brian Roberts, Roseland, VA  
Puckett, Nan, Eastover, NC  
Kathy Saunders, Columbus, OH  
Brian B. Weidner, Chesapeake, VA  
Benard Rixey, Midlothian, VA  
Ellie Emanuel, Life Estate, Red Springs, NC  
Michael Spurgeon, Hot Springs, VA  
Katie Moran, Nellysford, VA  
Emily Demasi, Powhatan, VA  
Carol McAvoy, Faber, VA  
Robert J O'Mara, Midlothian, VA  
Lloyd T. Crawford, Chesapeake, VA  
Ardelle Laverne Holland, Chesapeake, VA  
Hazel M Rhames Trust, Charlottesville, VA  
Kerri Holden, United Services Group, LLC, Charlotte, NC  
William Michael Jennings, Chesapeake, VA  
Stanley Nicholas Bakas, Tallmansville, WV  
K. Keith Frazier, ACF Environmental, Richmond, VA

Robert Ferguson, ACF Environmental, Richmond, VA  
Anderson W Douthat IV, Allegheny Construction Company, Inc., Roanoke, VA  
Jeremy Clark, Fairmont Tool, Fairmont, WV  
Jim Wolfe, Fairmont Tool, Fairmont, WV  
Andy Ross, ROSS TREE EXPERT COMPANY, FALLS CHURCH, VA  
David Stoddard, Henrico, VA  
Jean Marion Dyson, Baltimore, MD  
Nan Mahone, Roanoke, VA  
David and Nancy Rusinak, Henrico, VA  
Dawn C. & Larry Wise, II, Newsoms, VA  
Marvin Ashe, Portsmouth, VA  
Katrina Hodge, Greensboro, NC  
OSCAR GREENE III, GROUP III MGT, INC., KINSTON, NC  
The Frances B. Green Living Trust, Dated September 13, 2004, Lovingston, VA  
William L Bridgwater II, Karen Bridgwater Drumheller, And Malcolm E. Bridgwater, Jr.,  
Lovingston, VA  
Chris P Holman, ROGERS CORPORATION INC, THE, WILMINGTON, NC  
Burtrom L. & Teresa D. Lynch, Emporia, VA  
Lucy, Charles Dennison, Mount Sidney, VA  
Kendell, Steve, Faber, VA  
Rossy Carpel, L T SERVICES INC, FALLS CHURCH, VA  
Thanh Cao, East West Inc, Falls Church, VA  
G.R. Riggs, Midlothian, VA  
Delores Paulding aka Deloris Jarvis, Chesapeake, VA  
TERY HONG, Tri-State Building Service, Inc, Fairfax, VA  
Amanda P. Cooke, Newsoms, VA  
John S. Hair, Jr., Fayetteville, NC  
Stephanie Thomas-Rees, New South Property & Equipment, Madison, MS  
Richard Wiley, North Carolina Railroad Company, Raleigh, NC  
Barry Brown, Deep Creek Elementary School, Chesapeake, VA  
WH and BJJ INC, Attn William H. Howell, III, Franklin, VA  
Justin E. and Kelcie M. Cartwright, et al, Franklin, VA  
Mr. David McDaniel, Glenwood, MD  
The Conger Family Limited Partnership, Augusta, GA  
Carroll, Tjpc, Flower Mound, TX  
Madalyn Adams, Richmond, VA  
Linda Layne, Ruther Glen, VA  
Marvin E. Bynum Et Al, Newsoms, VA  
Jeffrey W. McAboy, Sharpsburg, MD  
Jerry C. Woodard, Wilson, NC  
Nancy Kohlrieser, Lima, OH  
Gary Lillie, Portsmouth Public Schools, Portsmouth, VA  
MIKE BEEGLY, PETERBILT OF RICHMOND INC, RICHMOND, VA  
Geoff Connors, PipeSak Pipeline Products, Houston, TX  
Diana and Al Berkshire, Broadway, VA  
Wellman, Carol, Buckingham, VA

John Albert McDonald. Attn: Stanley Glenn Abrams c/o NC Eminent Domain Law Firm,  
Durham, NC  
Zilphia High Nichols. Attn: Stanley Glenn Abrams c/o NC Eminent Domain Law Firm, Durham,  
NC  
Kenneth Bryan, Durham, NC  
James Alton Jr & Faye Starling, C/O NC Eminent Domain Law Firm, Attn: Stanley Abrams,  
Durham, NC  
Kenneth Bryan, Durham, NC  
Rise Kay Segur, The Villages, FL  
Robert Switala, Bergmann Associates, Inc, Rochester, NY  
Christopher Tapping, Hampton, VA  
Ray L Pratt, Clarksville, TN  
Lisa Biernot Hales, Nellysford, VA  
Robertsson, Alexander, Nellysford, VA  
Ysaac Chabo, Newport News, VA  
Gwen Fisher, Jane Lew, WV  
Susan Wilkinson, Farber, VA  
Pruitt, David, Harrisonburg, VA  
James R. & Margaret G. Poole Trustees, Powhatan, VA  
Clifford Scholl, Middlebrook, VA  
L Robert Worcester, Construction Employers Association of North Central West Virginia, Inc.,  
Fairmont, WV  
Marjorie L. Ours, Buckhannon, WV  
Marjorie Ours, Buckhannon, WV  
Mark A. Frazier, Virginia Beach, VA  
Maryann Dupes, Shipman, VA  
Diana Rockwell, Nellysford, VA  
Ellen F. Myatt and Michael G. Myatt, Crewe, VA  
Clifton Dean Moore, Skippers, VA  
Richard Trager, Fayetteville, NC  
Curtis L Wimer, Churchville, VA  
Robert Meslar, Afton, VA  
Michael C. Mason, Weichert Realtors, Eastover, NC  
Brent Powell, Triad Hunter, Marietta, WV  
Tom Likens, Triad Hunter, Marietta, WV  
Will Harless, Triad Hunter, Marietta, WV  
Walter, Sandra, Vienna, VA  
Kim A & Amber D McGaughey, Salem, WV  
Junius Ashton Bulifant, Afton, VA  
Paul Tompkins, Charlottesville, VA  
Jonathan Keith Barefoot, Lillington, NC  
Appomattox Chamber of Commerce, Appomattox, VA  
Curtis W. Forinash, Clarksburg, WV  
Gino A. Bortone, Staunton, VA  
Willie Lee & Ida Hunt Artis, Franklin, VA  
Kenneth A. Talton, Trustee, et al, Selma, NC

Brooke Hill, co-Trustee of the Karen Talton Irrevocable Supplemental Needs (Third Party) Trust, Selma, NC  
Iris T. Adkins, Selma, NC  
John Arthur Talton, Individually and as co-Trustee of the Karen Talton Irrevocable Supplemental Needs (Third Party) Trust, Selma, NC  
Katherine T. Briley, Selma, NC  
Linda Arbogast, Weston, WV  
Kathy Lohr, Trinity, NC  
Donna Sue Hicks Heatherly, Stoney Point, NC  
Thomas Kollie Lawless, Afton, VA  
Allen, Anne, Powhatan, VA  
Robbie Reeves, Inc., Mt. Solon, VA  
Jeffrey L. Edgell, Salem, WV  
Beverly Yaeger, Shannon Farm Assoc, Afton, VA  
Philip Zodhiates, Waynesboro, VA  
Grady and Wanda Roberts, Burnsville, VA  
Grady A. Roberts, Jr And Wanda Gay Roberts, Burnsville, VA  
Tom R. Lawless, Afton, VA  
Albert C And Anna Marie Miller, Farmville, VA  
Anthony W. and Gloria Robertson, Crewe, VA  
Louise W. Story et al, Newsoms, VA  
Terry L. Holloman And Nancy K. Holloman, Franklin, VA  
Mosblech, Frank, Mount Airy, NC  
Keller, Mary Beth, Scottsville, VA  
Albert W and Jane S Morriss, Churchville, VA  
Samuel L And Shannon B Entekin, Rice, VA  
Bobby L. Porter, James G. Mason, & Belinda P. Mason, Franklin, VA  
Alan Hinnant, NAPA Auto Parts, Wilson, NC  
Brad Cease, Suffolk, VA  
SCOTT GRAHAM, GRAHAMS CONSTRUCTION INC., DELCO, NC  
Cheryl L. Bialke, Cuyahoga Falls, OH  
Willis A. Dreddy, Henrico, VA  
Clydene Jones Lynch 2006 Trust C/O Nia Price, Moreno Valley, CA  
David Haney, E&H Manufacturing, Charleston, WV  
Kashka Kubzdela, Oakton, VA  
Clinton Tyler Bennett And Tameka J. Ware, Tallmansville, WV  
Julia Smith Phillips, Selma, NC  
Bonnie Spearman, Danville, VA  
AVR Limited Partnership, Nashville, NC  
Charles Allen Rose and Sheree B. Rose, Nashville, NC  
Carjr Limited Partnership, Nashville, NC  
Rot F Marks, Richmond, VA  
William C. Dunnivant, Brooklyn, NY  
Cynthia F. & Jody Keith Black, Crewe, VA  
Hess, Sammy, Durham, NC  
Bradley C. Jones, Nashville, NC

W. A. Jones, III, et al, Nashville, NC  
C. Cutchin Powell, Jr., Washington, DC  
John W. Robbins, Rocky Mount, NC  
James Eric Dudley, Benson, NC  
Pocahontas Co High School , Dunmore, WV  
Donna Bedwell, Monterey, VA  
Kimberly D. Waters, Piney Flats, TN  
Michael Schultz, Afton, VA  
Daniel W. Lufkin, Paul D. Camp Community College, Suffolk, VA  
ARVELLA GARDNER, ROCK SOLID JANITORIAL INC, HAMPTON, VA  
Carl Barnes, North Chesterfield, VA  
Dianna Matthews, Administratrix for the Estate of Jeffrey H Matthews, Wilson, NC  
Darlene T. Boone A/K/A Darlene T. Faltz, Herndon, VA  
Travis Woods, Bristol Construction Services LLC, Wilmington, NC  
Carol Harris, Davidsonville, MD  
David Butterworth, Charleston, WV  
Jack Schwab, Salem, VA  
Keith Green, Atlanta, GA  
Mike And Nancy E. Hamdani, Charlottesville, VA  
Marie Gillespie, Union Hill Community, Buckingham, VA  
Tony Wilson, Jr, Newark, NJ  
Deb Harlow, Arton, VA  
Boxley, A.P., Waynesboro, VA  
Mary B Harper, Syracuse, NY  
Eddie Vincent, Buckhannon Upshur High School, Buckhannon, WV  
Rodney Lionel Tillery, Neptune, NJ  
Sonya R Fink Hoover, Deerfield, VA  
Thomas Perkins, Farmville, VA  
John H III And Kim W Craig, Staunton, VA  
Bruce E. Swisher, Scott Depot, WV  
Thomas Sullivan, Palmyra, VA  
Michele Carter, Verona, VA  
R Marie Limpert, Joseph Limpert, Catonsville, MD  
Jerry A. Light And Robin M. Light, Weston, WV  
June DeJesus, Dover, NJ  
Diane Orndoff, Harrisonburg, VA  
Janet R Pack, Charleston, WV  
Jim Fram, Chamber of Commerce, Hot Springs, VA  
Diana M Maxwell, Clarksburg, WV  
M., Sharon, Staunton, VA  
Patrick M And Jill K Kropp, Powhatan, VA  
Jerry M Campbell, Waynesboro, VA  
Jerry M Campbell, Waynesboro, VA  
3MR Limited Partnership, Nashville, NC  
Little, Cheryl, Chandler, AZ  
Lorelei Smerdel, Euclid, OH

Daniel Smallridge And Ronna L. Smallridge, Tallmansville, WV  
Wampler, John, Waynesboro, VA  
Dean M.Nichols, Esq., Harrisonburg, VA  
Stephanie Hawkins, Jane Lew, WV  
Gilford N & Lorraine J Titus, Deerfield, VA  
Lorraine J. Titus, Trustee Of The Titus Family Trust, Deerfield, VA  
Greg Neatrour, Virginia Beach, VA  
Wayne and Kristina Stockton, East Helena, MT  
Marshall Gauldin, Warfield, VA  
R. Belton, Charlottesville, VA  
Joseph J. Elemendorf, Jobstown, NJ  
William H. Jr. and Celia W. Reges, Melbourne, FL  
MCCARTYS PORTABLE TOILETS, WESTON, WV  
Ken Hall, Teamsters Local 175, South Charleston, WV  
Sabre Thompson, Hope Mills, NC  
Bow & Arrow Land Company LLC, Monroville, PA  
Zach Sullivan, Bow & Arrow Land Company, Monroeville, PA  
Rick L. White And Anita C. White, Buckhannon, WV  
Maurie Flowers, Dillwyn, VA  
Earl W. Brown and Stella L. Haskins, Portsmouth, VA  
Rickey E. Daniel, Jr., Ogden, UT  
Nields, Zachary, Vienna, VA  
JW Spear, Sr., Faith Spear, Staunton, VA  
Betty Jane H. Wines, Steeles Tavern, VA  
Diana Witherspoon and William Witherspoon III, Chesapeake, VA  
Erin Johnson, Afton, VA  
Preston Wilson, Mountain State Electrical Contractors, Bridgeport, WV  
Billy Vaughan, Fries, VA  
Gregory C. Williams, Bailey, NC  
Whitney And Cecilia Tritch, Unionville, VA  
Crystal Neilson Hall, Goochland, VA  
William Taylor Lee, Four Oaks, NC  
Ron Figg, Powhatan, VA  
Joani Chapman, San Fransisco, CA  
Neil Williams, Triple/Pantractors LLC, Ellamore, WV  
M P Church, Lewis Swann Jr, Trustee (Pleasant Hill Church), Salem, WV  
W., Betty, Mauertown, VA  
Brenda Green, Odenton, MD  
Parker Smith, Charlottesville, VA  
Richard W. & Sheila Ann Doane, Chesapeake, VA  
ANNA Johnson, Restoration Services Inc, Virginia Beach, VA  
Lelia B. Baxter, Newsoms, VA  
Cheryl Morrison, Charlottesville, VA  
Kyle J. Dosier, Richmond, VA  
David Ritchey, Alderson, WV  
Norwins Development, LLC, Buckhannon, WV

Dr. Prem Anjali, Buckingham, VA  
Ron Carpenter, Warm Springs, VA  
Gregory Slade, Hope Mills, NC  
Daniel Dixon, Henrico, VA  
R.S. Salecker, Charlottesville, VA  
Gayle P. Lowdermilk And Stephen L. Porter, Courtland, VA  
Michele Regine, Faber, VA  
Lynda Majors, Blacksburg, VA  
Keith D. Hughes, North Chesterfield, VA  
Herman R Burnley, Wingina, VA  
Shelly Hanson, Faber, VA  
Lawrence Stopper, Afton, VA  
Kenneth A Bright Jr, Churchville, VA  
Bruce Skinner, Prince Fredrick, MD  
Glenda Jo Jenkins, Fayetteville, NC  
Jerry S. Covington Aka Jeremy S. Covington, Durham, NC  
Dwight Cragun, Charlottesville, VA  
Robert Burkes, Jr., Philadelphia, PA  
Venice Barbee, Philadelphia, PA  
Roland Edwin Baskette, III And Kathryn Simpson-Baskette, Rice, VA  
Linda Devore, Fayetteville, NC  
Kimberly Williams, Norfolk, VA  
William A Bratton, Warm Springs, VA  
Donna Irene Scott Shook, Pampa, TX  
MARY WYNN, BAGGETT METAL PRODUCTS LLC, COURTLAND, VA  
LINDSAY MILES, HERITAGE PRINTING SERVICE, RICHMOND, VA  
Larry Mitchell, Dewberry Engineers Inc., Raleigh, NC  
Charles Pierce, Lovingston, VA  
Kimberly Brown Alexander, Burnsville, VA  
Steven and Anne Allen, Burnsville, VA  
Jo Ann Armstrong, Roseland, VA  
Danielle Pollard, Ruther Glen, VA  
Angela Marie Cook Boyd c/o Donna Cook Douglas, Philadelphia, PA  
Donna Cook Douglas, Philadelphia, PA  
Galione, Bob and Ann, Charlottesville, VA  
Ronnie Holbrook, Swanson Industries, Morgantown, WV  
Geogia McDaniel, North Garden, VA  
Bratton Family, LLC, Warm Springs, VA  
William and Sandra Bratton, Bratton Family Llc, Warm Springs, VA  
Harold Kelly Jolly, Durham, NC  
Angela M. Sapp, Greensboro, NC  
Marc Lewis, ARC3 Gases, Buena Vista, VA  
Jennifer Detweiler, North Garden, VA  
Benjamin Coleman, Chesapeake, VA  
Tom Haines, Richmond, VA  
Melanie Kirk Holton, Winston Salem, NC



Joseph Turner, Richmond, VA  
Dan McGhee, Coastal Pregast Systems, Chesapeake, VA  
Centore, Louis, Earlysville, VA  
ROBERT E & ELIZABETH J BITTNER, Rocky Mount, NC  
Diane Berlin, Charlottesville, VA  
Allen Pursen, Roanoke Valley Chamber of Commerce, Roanoke Rapids, NC  
Ujlaky, Karen, Babylon, NY  
Christopher Anthony Cali, Swoope, VA  
Michael David Mahler, Staunton, VA  
Dennis Doyle, Local Union 175, Beverly, WV  
Willard L. Doyle Et Al, Beverly, WV  
Elwyn and Nancy Rinker, Staunton, VA  
JOHN BOTTOMS, LIBURDI TURBINE SERVICES LLC, MOORESVILLE, NC  
Kayla MacLachlan, Hightown, VA  
Quillen, David, Waynesboro, VA  
Raymax, LLC, Waynesboro, VA  
Les Munson, Fayetteville, NC  
Hilterman, Cy, Cherry Tree, PA  
Julie Burns, Lovingston, VA  
Ethan and Denise Burgess, Marlinton, WV  
Tolly Peuleche, Monterville, WV  
Beverly Borenstein, Alpharetta, GA  
Ralph Long, Western Construction, Inc., Prestonburg, KY  
Sandra C. Fore, Charlottesville, VA  
Josephine Argante, I.C.E. Tek, Virginia Beach, VA  
Kenneth Phelps, I.C.E. Tek, Virginia Beach, VA  
Johnson, Ila, Costa Mesa, CA  
Douglas Butler Averitte, Parkton, NC  
Haines, Heather, Afton, VA  
William R Taylor And Wilma Jean Taylor, Salem, WV  
Lloyd C. Bird, II, Et Ux, Monteray, VA  
Lloyd Bird, Monterey, VA  
Hillmar, Lynda, Cascade, MT  
Glendale-Chapel Community Center Inc C/O Cecil Stancil, Middlesex, NC  
SUSAN C HARRISON, Brookfield Site Development, Inc., Aldie, VA  
Clayton R Worrell, Rice, VA  
Stephen Sweigert, Roseland, VA  
Brooks, Anna, North Dinwiddie, VA  
Liz Slonaker, Norfolk, VA  
Keith Boswell, Virginia's Gateway Region, Colonial Heights, VA  
Angela Newman, Fairfield, VA  
Amanda Wright, Afton, VA  
Lonni Trykpwski, Carmel, CA  
Ron and Laretta Bryant, Fayetteville, NC  
Donald Wheeler, Charlottesville, VA  
Teamsters Local 171, Salem, VA

Stephen Plumbley, Staunton, VA  
Kristen M Bush, Johnny Blue Inc, WINCHESTER, VA  
Hellerman, Alex, Afton, VA  
Susan Tate, Charlottesville, VA  
Darletta and Frank Gulas, Salem, WV  
Darletta Gulas, Salem, WV  
Clarence I. Parker, South Hill, VA  
Shirley and Ernest Barham, Powheton, VA  
William S. Sinclair and Amberlee Furr Sinclair, Chesapeake, VA  
Jimmy Bullard, Pembroke, NC  
Collin Bisignani, Morgantown, WV  
Andrea L. & Theodore J. Graham, Jr., Chesapeake, VA  
Riddick M. Johnson, Jr, Et al, Lignum, VA  
Dicky E. and Katherine B. Parrish, Selma, NC  
Robert & Samantha Cesil, Chesapeake, VA  
Sierra Club, Berkeley, CA  
Elizabeth LaPrelle, Rural Retreat, VA  
Daniel W. Lufkin, Paul D. Camp Community College, Smithfield, VA  
Irby Sinclair Williams, Jr., Rockville, VA  
Nicholas A. Orrick, Chesapeake, VA  
Alden Cleanthes, Chesapeake, VA  
Henry Edward Fowler, Jr., Newsoms, VA  
Barbara Palmer Hiner And Darrell Hiner, Marlinton, WV  
Charles D. Johnson, Chesapeake, VA  
Sylvester H Lipscomb, Adelphi, MD  
Linda Sanford, Midlothian, VA  
Lawrence Kiley, REK Associates, LLC, CHANTILLY, VA  
Michael Haley, Digital Media & Security Inc, Richmond, VA  
Joyce Faye Lawson a/k/a Joyce Hobbs, Little Rock, AR  
Christian A. Wright and Elizabeth A. Wright, Chesapeake, VA  
Renee Branson, Charlottesville, VA  
Erin Trzell, Churchville, VA  
Bill Clement, Claudville, VA  
Clayton E Mitchell, Jr., Dillwyn, VA  
Moses, James, Princeton, WV  
Dennis Lane, Midlothian, VA  
Wood, Sharon, North Chesterfield, VA  
Donald Herring, Dyke, VA  
Theron E., Sr. & Betty Jo Koon Life Estate, Chesapeake, VA  
Cris Garza, Chantilly, VA  
Elaine Becker, Elaine Fischer, Roanoke, VA  
Adele Gonzales, Greensboro, NC  
Warren R Stewart, INDUSTRIAL DIESEL INC, NORFOLK, VA  
Jennifer Miller, Afton, VA  
Elizabeth H Miles, Shipman, VA  
Joseph Murphy, North Chesterfield, VA

Megan Sprague, Charlottesville, VA  
Gwendolyn S. Swain, Chesapeake, VA  
Alfred & Cecelia Fry, Chesapeake, VA  
Philip Koren, Theresa Koren, Midlothian, VA  
Hill Ewald, Charlottesville, VA  
Mike Skowronski, E.G. Middleton, Norfolk, VA  
Richard W. Faulknier, Faulknier Enterprises, Inc. & R.W. Faulknier Excavating, Marlinton, WV  
Matt Adkins, Rockydale Quarries Corporation, Staunton, VA  
Mark T Ward, Bridgeport, WV  
L Donald And Elizabeth B. Allanson, Staunton, VA  
Larry L Mayle , Salem, WV  
Cosby, Kelly, North Chesterfield, VA  
Kimberly Valentine, Virginia Equipment And Development, Inc., VIRGINIA BEACH, VA  
James R. Sherman, Chesapeake, VA  
Gabrielle J. & Justine J. Quindara, Chesapeake, VA  
Susan Borka-Lambert, Sarah Lambert, Chesapeake, VA  
Nannie Carrington Doswell, Blackstone, VA  
Richard W. Walker, Richmond, VA  
Keegan Phillips, Ahern Rentals, Raleigh, NC  
Thor Cranfill, Ahern Rentals, Raleigh, NC  
Mellott Properties, LLC, Chesapeake, VA  
Addie Carolyn Hester, Baton Rouge, LA  
Reed Banks, Charlottesville, VA  
Joseph Thorp Baker and Vickie S. Baker, Rocky Mount, NC  
George E. Tatum, Oak Island, NC  
William Paul Pitts, Richmond, VA  
Day, Christine, Henrico, VA  
Joseph S. Gordon, Temple Hills, MD  
FORREST B SMITH, HYDRAULIC REPAIR CORPORATION, PORTSMOUTH, VA  
William R Benner, Deerfield, VA  
Clara Karp (Life Estate) And William W. Karp, Jr., Export, PA  
Cecil R. Mclamb, Wilson, NC  
Brooks Mott, Chesapeake, VA  
Hamilton, Patricia, North Dinwiddie, VA  
Kyle White, Environmental Construction Solutions, Midlothian, VA  
Robert Cave, CrossGlobe Transport, Newport News, VA  
Kinyatta Garrett , Oscar Smith Middle School, Chesapeake, VA  
Karen Lyons, Virginia Beach, VA  
Shelia Johnson , G. A. Treakle Elementary School, Chesapeake, VA  
Sarah Lolsen, Roseland, VA  
Richard Eichler, Colonial Heights, VA  
William Collier, Charlottesville, VA  
Tice, Elizabeth, Charlottesville, VA  
Phyllis Anna Joyner, New York, NY  
Tom Allen, Appleton Electric Co (Emerson Electric), Cherryville, NC  
Josh Hinkle, Cleveland Bros Caterpillar, Weston, WV

Debra Atwell, Abingdon, VA  
Raup, Jane and Jim, Wingina, VA  
James Raup, Wingina, VA  
Seaton, Scott and Anne, Waynesboro, VA  
Willard, Charles, Lexington, VA  
Cynthia Mitchell, Ruckersville, VA  
Don Manley, Clinton, NC  
Catherine Bragg, Somerset, NJ  
Eleanor C Bird C/O Timberlake, Smith, Thomas And Moses Pc Attn: Thomas G. Bell, Jr.,  
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Meredith Jackson, Afton, VA  
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Stacy Bridge, Farmville, VA  
David Smallwood, II, Cummins, White Hall, WV  
Mark Wallace, Slatyfork, WV  
Sick, Kathren, Portsmouth, VA  
Paul Mason et al, Washington, DC  
Craig M. Wilson And Dale E. Wilson, Wexford, PA  
Donia T Brown, Benson, NC  
Alfrey and Janet Myer, Staunton, VA  
Wilson County Public Library, Wilson, NC  
Harris, Theresa, Roseland, VA  
Denise Tusso, Afton, VA  
Estate of Gary L Mayle, Salem, WV  
Gerald E. Woerner and Celia H. Woerner, Bel Air, MD  
Jeffrey E. Woerner and June S. Woerner, Bel Air, MD  
ERIC L HYMAN, HYMAN AND HYMAN LLC, SUFFOLK, VA  
Edward R. Paugh And Theresa M. Paugh, Jane Lew, WV  
Ed Paugh, Jane Lew, WV  
Jereme Ash, Duluth, GA  
Glenn I Meadows, Madison Heights, VA  
Denise and David Moldenhauer, Roseland, VA  
Kenda Hanuman, Buckingham, VA  
Donald C. Wells, Jr. And Susan M. Wells, Lexington, VA  
Emory Kelley, Clements, MD  
David Lee Wilkins And Donald W. Wilkins, Blackstone, VA  
I. J. & B. J. Hall Heirs, Fayetteville, NC  
Jimmie N., Jr. & Deborah N. Griffin, et al, Fayetteville, NC  
Jim Griffin, Fayetteville, NC  
Wolf, Mary, Nellysford, VA  
COREY BARKER, CCS ENTERPRISES, BIG STONE GAP, VA  
Paulette Todd, Chesapeake, VA  
Robert W And Glenna B Jones, Swoope, VA  
Bernie Johnson, BJ Inspections, Westfield, PA  
Good, Sherri, Harrisonburg, VA

Virginia Cutchin, Harrisburg, VA  
Mark Dalton, Rogers, Fairmont, WV  
David W Davidson, Salem, WV  
Galen R. Ash and Victor Ash, Salem, WV  
Charlotte Louise Shaffer Johnson, Warren, OH  
Andre, Robert and Durga, Ojai, CA  
Andre, Robert, Ojai, CA  
Rodney Lee, Petersburg, VA  
Eddie Wood, Little Creek Farm & Lumber & LLC, New Canton, VA  
Delmuth Verlon Kelley, Tallmansville, WV  
Gorman, Margaret, Charlottesville, VA  
David N. Johnson, Johnston Community College, Smithfield, NC  
Constantine, Gail Roussos, Arrington, VA  
Gail Rouso, Harrington, VA  
Susan Burt, Hillsboro, WV  
Barbara Fortner , Deep Creek Central Elementary School, Chesapeake, VA  
Carrie Trimmer, Clarksburg, WV  
Russell Holland, Midlothian, VA  
C. Douglas Maxwell, III, Maxwell Portable Storage, Fayetteville, NC  
Morgenstern, Fred, Virginia Beach, VA  
Bob Beals, Salem, VA  
BJB Properties, L.L.C, Raphine, VA  
Sam Lunsford, White's Travel Center Vesuvius, Inc., Raphine, VA  
Wayne Perez, White's Travel Center Vesuvius, Inc., Raphine, VA  
James H Hughes, Monterey, VA  
Amanda Robertson, Pittsboro, NC  
Vinegar Run Holdings LLC, Ridgefield, CT  
Nothstein, Michael, Swoope, VA  
Thomas Birt, Scottsville, VA  
Joy Elaine West, Scottsville, VA  
Bernard R Rixey, President, Capital Linen Service, Midlothian, VA  
J.D. Geelhaar, New Milton, WV  
Nelson & Kathleen Chatfield, Buckhannon, WV  
Hunter B Price, Afton, VA  
Emily Grace Yau, Frederick, MD  
Sonja Burrows, Cordova, TN  
Amecia Della Evans, Halifax, NC  
Vickie Beatrice Evans, Halifax, NC  
John Whiteman, Virginia Beach, VA  
Sandra Ford, Virginia Beach, VA  
Kyle Bickling, Environmental Construction Solutions, Charlottesville, VA  
Jeff Staples, Chesapeake, VA  
Daniel L Hughes Sr, Henrico, VA  
Dennis Underwood, Huntsville, AL  
Dennis D Underwood Living Trust, Huntsville, AL  
Dennis Underwood, Huntsville, AL

Stella Virginia Black, Buckhannon, WV

Cheryl Klueh, Charlie Hickox, Afton, VA

Rocking R Land, LLC, Staunton, VA

Martin D. Fields, Jr., Stuarts Draft, VA

Robert Gaskins, F.H. Gaskins Co., Inc, Norfolk, VA

CONNIE ALLEN, F H GASKINS CO INC, NORFOLK, VA

Brenda Stewart, Powhatan, VA

Theresa Ayscue, Rocky Mount, NC

Jim Stutts, Cynthia Stutts, Midlothian, VA

Ruth Meyer, Charlottesville, VA

Billie Jean Savage c/o William (Billy) Savage, Suffolk, VA

Harold Ronald Rowan And Nancy Jo Rowan, Buckhannon, WV

Timothy B. Lecky Sr. Revocable Trust, Virginia Beach, VA

L. Jay Bateman & Tracia Kim Bateman, Chesapeake, VA

Yenni Tan, Richmond, VA

ROBERT A Moura, ATLANTIS GRAPHICS, INC., DURHAM, NC

Lindsey R Davis Jr., Davis Brothers Construction Company, Incorporated, Richmond, VA

Amanda P. Wolfe, Skippers, VA

Smock, Polly, Staunton, VA

John Neal Vaughan, Margarettsville, NC

James R. Farley, Sr. et al, Rice, VA

Derek Brinkley, Backwoods Welding & Repair, Millboro , VA

James L. Cogsdale, Remainderman, Newsoms, VA

Rock Haven Lodge Inc C/O Earl D Cash, Waynesboro, VA

Gwendolyn Lipscomb Hairston, Et al, North Garden, VA

Ethel Hawkins, Chesapeake, VA

James A. Farrington, J.A. Farrington Industries, Inc, Durham, NC

Nicole A Monroe, ALPHA & OMEGA PROTECTIVE SERVICES L.L.C, Newport News, VA

Jane C. and Fernand M. Moreau III, Blackstone, VA

Doge, John, Lovingston, VA

Mary M. Williams, Chesapeake, VA

Joe Eddy, Eagle Manufacturing Company, Wellsburg, WV

Kayla Anderson, Lexus Protection Services, Canonsburg, PA

John W. Poole, II, Ridgewood, NJ

Louise D. Poole, Ridgewood, NJ

Rhonda Johnson, Aylett, VA

Holly A Nord, Four Oaks, NC

Dareld Puffenburg, Hightown, VA

John McDowell, Norfolk, VA

James Hill, RIVERSIDE PAPER SUPPLY CO INC, NEWPORT NEWS, VA

Laura Farrell, Charlottesville, VA

Jimmie R Woody Et Al, Buckhannon, WV

Mary Louise Sandy, Poquoson, VA

Micklem, Roland, Staunton, VA

Stacey D Lewis, Scottsville, VA

Tom Holliday, Arrington, VA  
Edith Brownbryant, Cumberland, VA  
Gary C and Michelle E Gallagher, Stuarts Draft, VA  
Karen S Cline, Grottoes, VA  
Sturgeon Creek, LLC, Oakland, NJ  
Florence Bakke, Roman Bakke, Palmyra, VA  
Sandra W. Lynch, Midlothian, VA  
Michelle Boggs, Afton, VA  
Ellie Thomas, North Garden, VA  
Zach Hughes, Virginia Beach, VA  
Quintin Davis, Salem, WV  
M Renee Harlem, Afton, VA  
Patrick Stephen Shaw, Villa Rica, GA  
Rodney Wilkins, Mt. Sydney, VA  
Kenda Hanuman, Friends of Buckingham, Buckingham, VA  
Jones, Sridevi, Buckingham, VA  
Mildred S Farley, Rice, VA  
Garland Lee Rogers, Crewe, VA  
Karen McGee, Fairbanks, AK  
Amish/Mennonite, Pilgrim Christian School, Stuarts Draft, VA  
Alice Knicely, Charlottesville, VA  
Kay and Carl Campbell, Roseland, VA  
Mike Edwards, Staunton, VA  
Matt Evans, Black Rock Inc., Dry Fork, WV  
Clarence William Campbell Jr, Single, Churchville, VA  
Librarian, Greensburg, PA  
First Baptist Church Suffolk, Suffolk, VA  
Dhyani Simonini, Buckingham, VA  
Marsha Gibson Jones, Lewisburg, WV  
Donna K. Pettit, Buckhannon, WV  
Anderson, John, Charlottesville, VA  
Wilbur Titus and Patricia Ann Miller, Seaboard, NC  
Judy Deanne Lassiter Mizner & Eric P. Mizner, et al, Four Oaks, NC  
Jerry Horn , Fishersville, VA  
Jerry and Virginia Horn, Fishersville, VA  
Dennis M. Hevener, Mount Sydney, VA  
Elston Perry, Newport News, VA  
Gail Finnegan, Staunton, VA  
Owen J. Ridgeley, Jr., Lewes, DE  
Richard Rohr, RVC Inc., Buckhannon, WV  
Bert Carlson, Marian Quinlan, Millboro, VA  
Maki Family Trust, Waynesboro, VA  
Jessica Cluff, Catlett, VA  
Brad Jaeckel, Moscow, ID  
Ashley Ann Reid Moss, et al, Enfield, NC  
Floyd, Joe, Denver, CO

David Segars, Rotary Cluc of Charlottesville, Charlottesville, VA  
Horace L Adell, Clean Streak Incorporated, MILLS RIVER, NC  
Krista L. Merchant-Drake, Columbus, OH  
Brian Keith Barefoot, Dunn, NC  
Walter Johnson, Ashtabula, OH  
B Sidney Smith, Appomattox, VA  
Claise Bertuci, Perryopolis, PA  
Travis Merritt, Merritt Piping, Roanoke Rapids, NC  
LSM of Nottoway, LLC and Franklin D. Yancey, Blackstone, VA  
Andrew D. Washburn, Blacksburg, VA  
David Kennedy, Roanoke, VA  
Amy Johnson Stotesbury. Attn: W. Dudley Whitley, III c/o Battle, Winslow, Scott & Wiley,  
P.A., Rocky Mount, NC  
Edwin Ray Massengale and Beth K. Massengale. Attn: W. Dudley Whitley, III c/o Battle,  
Winslow, Scott & Wiley, P.A., Rocky Mount, NC  
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Barney Cecil Pearson, Bailey, NC  
Emily Kinkeao, Charlottesville, VA  
Friedburg, Priscilla, Shipman, VA  
Sing, Tarn, Shipman, VA  
Priscilla Friedbird, Shipman, VA  
Young, Samuel, Afton, VA  
DaCosta, Donald, Raleigh, NC  
Catherine P Claud, COLONY CONSTRUCTION, INC., POWHATAN, VA  
Donna J. Norman Davis, Peculiar, MO  
Robert Richard, Wheeling, WV  
Carolyn G. Solomon, Life Estate, Temple Hills, MD  
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Glendale Farms Inc C/O Donell Stancil, Kenly, NC  
Martin Lightsey, Staunton, VA  
Lightsey, Martin, Staunton, VA  
Claudia Giehl, Faber, VA  
Margaret McClellan, Williamsburg, VA  
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J Mohr, Salem , WV  
Mahr, Jody, Salem, WV  
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Doug Hornig, Afton, VA  
Doug Hornig, Afton, VA  
Charlotte Hempstead, Clean World USA, Florence, SC  
Walter Kelley, Edinburg, VA  
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Byron K. Baker, Chesapeake, VA  
Henrietta Medlock, St Pauls, NC  
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Clinton D And Susie D Bridge, Lyndhurst, VA  
Roy Hornback, Chesapeake, VA  
Debbie Beaty, Madison Heights, VA  
Chantel Miskimming, Shipman, VA  
Barbara Porter, Wintergreen, VA  
Ron Brooks, Mckenney, VA  
Lloyd Woods, Lew & Associates, Inc., Richmond, VA  
Theodore Copeland, Chesapeake, VA  
Scott, Dorothy, Charlottesville, VA  
Jessica Avery, Elephant's Fork Elementary School, Suffolk, VA  
Gregory & Julia G. Kunz, Chesapeake, VA  
Anne Gorman, Houston, TX  
James Skinnal, Springfield, MD  
Bertini, Joseph, Chesapeake, VA  
Geoffrey B. Runyon and Sara A. Hold, Chesapeake, VA  
Dan Crawford, Roanoke, VA  
Steve Calvert, Green River Group, Morgantown, WV  
Charles, Deanne Flickinger, Nellysford, VA  
Joseph A. Spinelli, jr. and wife, Rebecca Marie Spinelli, St. Pauls, NC  
John Carter Martin & Sharon Hayes Martin, Warfield, VA  
Export Fuel Company, Inc., Export, PA  
Elizabeth Eisnor, Staunton, VA  
Daniel Kelley, Mt. Solon, VA  
Amy Winter, Nellysford, VA  
Troy D. Schultz, Technical Design Services of Minnesota, Inc, Duluth, MN  
Judith Rauchle, Boones Mill, VA  
Barry Donald Wilson, Portsmouth, VA  
Leslie L. Glazebrook, Chesapeake, VA  
Jay Grant, ARC3 Gases, Lumberton, NC  
Barry and Leslie Alderson, Henrico, VA  
Neil Folks, McKee Foods, Staunton, VA  
Polson Revocable Living Trust, Chesapeake, VA

Deborah McLean, Fayetteville, NC  
Gary W. Wyatt And Terri D. Wyatt, New Market, TN  
Michael Thompson, Mount Crawford, VA  
Kelli Lott, Abbeville, SC  
Balgie, Pat, Henrico, VA  
Anne Colgate, Shipman, VA  
Elaine Gilmer aka Elaine Tanner, Corpus Christi, TX  
Mary Ann & Anthony S. Guida, Jr., Chesapeake, VA  
James H. Rider, Chesapeake, VA  
Jeanette Hodge Abbink, Austin, TX  
Ila Albert, Charlottesville, VA  
Robert Williamson, Dinwiddie, VA  
Carolyn V. Culpepper, Arrington, VA  
Rhonda Moore Holland, Chesapeake, VA  
Timothy D. MacDonald and Jacqueline M. MacDonald, Chesapeake, VA  
The Estate of Beatrice L. Ellett, Crewe, VA  
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Linda Barnes Cater, Atlanta, GA  
Ronald Lewis Anderson, Jacksonburg, WV  
Nadle, Ken, Buckingham, VA  
David Roberts, Roseland, VA  
Janett Johnson, Randolph, MA  
William Thompson, Orange Park, FL  
Chad McCreary, Crimora, VA  
Paula Squire Waterman, Wagram, NC  
Friends of Dismal Swamp State Park, South Mills, NC  
Paul Richards, Nellysford, VA  
Michael Waterman, Stuarts Draft, VA  
Karen and Mike Waterman, Stuarts Draft, VA  
Audrey Hirsch, Maidens, VA  
Todd S & Gary A & L Kevin Ball, Twinsburg, OH  
TONY Gabro, GABRO GRAPHICS, INC, STERLING, VA  
Micah Joel Burgett And Stephany Burgett, Buckhannon, WV  
William T Wilson, Covington, VA  
Emily Sproul, Staunton, VA  
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Robin Tuck, Southside Planning District Commission, South Hill, VA  
Clarence H. Dozier. Attn: Joseph T. Howell c/o Kirk, Kirk, Howell, Cutler & Thomas, LLP,  
Wendell, NC  
Constance Godwin Boykin, C/O Kirk, Kirk, Howell, Cutler & Thomas, LLP, Attn: Philip G.  
Kirk, Wendell, NC  
David Spruill Deans. Attn: Philip G. Kirk c/o Kirk, Kirk, Howell, Cutler & Thomas, LLP,  
Wendell, NC  
Phillip G. Kirk c/o Kirk, Kirk, Howell, Cutler & Thomas, LLP, Wendell, NC  
Antonio Jorge, Devils Backbone Brewing Company, Roseland, VA  
Timothy Wilson, Cambridge, MD  
Steven J. Palkovitz, Vienna, VA  
STEPHEN Synnott, Syntelligent Analytic Solutions, LLC, Falls Church, VA  
Clayton Harpold, Newlands, NC  
Jeff Field, Keysville, VA  
Adam Zubowsky, Smithfield Foods, Smithfield, VA  
Joanne Jolly, Halifax Community College, Weldon, NC  
Randy Pope, Halifax Community College, Weldon, NC

Daniel And Jeanne Castellini C/O Attorney Robert L. Coffield, Charleston, WV  
John L. Coyner Et Al C/O Attorney Robert L. Coffield, Charleston, WV  
Pauline B. Gardner And Randolph L. Gardner C/O Attorney Robert L. Coffield, Charleston, WV  
Bolling Avenue Trust dated August 25, 2004 c/o Wolcott, Rivers, Gates Attn: Edward W.  
Wolcott, Jr, Virginia Beach, VA  
Glen Robertson, Virginia Beach, VA  
Kathy Robinson , Weirton, WV  
Mary Kloecker, Virginia Beach, VA  
Wyatt Stanley Wright, Teresa Wright O'Connor And Brenda Cheryl Donohue, Stafford, VA  
Mountain Master Builders LLC, Roseland, VA  
Kenneth W. And Sherry Trayer, Columbia, VA  
Natural Resources Defense Council - NRDC , Chicago, IL  
Natural Resources Defense Council - NRDC , Chicago, IL  
Natural Resources Defense Council - NRDC, Chicago, IL  
Anthony E Vaughan, West Haven, CT  
Pat Foreman, Buena Vista, VA  
Susan Seward, Virginia Forest Products Association, Sandston, VA  
James D Johnson And Viki Kellar Johnson, Salem, WV  
Roy Hill, Jr., Martinsburg, WV  
Elizabeth Drozeski, Henrico, VA  
Stuart L. Gibson, Irvine, CA  
Anna Van Buren, Faneuil, Inc., Hampton, VA  
Kenneth Moore, Scottsville, VA  
Bailey, Harvey, Buckingham, VA  
George Mason Heirs c/o George W. Mason, Oakland, CA  
NATHANIEL FERRACO, Dtreds LLC, Ashburn, VA  
AMANDA SANDERSON, Geoconcepts Engineering, Inc., Ashburn, VA  
Kenneth E. Alston, Enfield, NC  
Phillip C And Carol A Barber, Stuarts Draft, VA  
Vernon Turner, Dudley, NC  
Amy Pace, Allfirst, LLC, Suffolk, VA  
Chad Outlaw, Allfirst, LLC, Suffolk, VA  
James Templeton, Allfirst, LLC, Suffolk, VA  
Jack Edwin Wiley, Boone, NC  
Ryan Coughter, Richmond, VA  
Robert E Wood, Roseland, VA  
RODERICK Howard, H&H SECURITY Services, INC., Charlottesville, VA  
Steve Hooks, Service Pump & Supply, Washington, PA  
Spencer, David, Afton, VA  
Cammie L Laird And Ronquillo M Dean, Marietta, GA  
Donna Hadden, Charlottesville, VA  
Madison and Trudie Long, Crozier, VA  
Gibbs, Diane, Swoope, VA  
Denney, Carol, Berkeley, CA  
Kenneth S Lowery, Lyndhurst, VA  
Marcie C Lowery, Lyndhurst, VA

Shaun Laughlin, Laughlin Oilfield Services, Arnoldsburg, WV  
Michael Goings, Churchville, VA  
Suzanne Goings, Churchville, VA  
The International Association of Lions Clubs Inc., Greensburg, PA  
Ruth Clayburne, Deerfield, VA  
Douglas L and Yvonne C Harris, Waynesboro, VA  
Kenneth Patterson, Tuscarora Nation of New York, Lewiston, NY  
Dennis Moore, Crater Planning District Commission, Petersburg, VA  
ABIGAIL W SMITH, DIGITAL INK DBA THINK PRINTING, Petersburg, VA  
Sharon S. Cobb and Miriam S. Birdsong, Boykins, VA  
Thomas H. Baldwin, Farmville, VA  
Chapman Lumber Co., Inc., Boykins, VA  
Michael Benedetto, TFC Recycling, Chesapeake, VA  
Charles Allen Rose, Jr. and Britteny Hill Rose, Rocky Mount, NC  
Allen, Glenda and Henry, Afton, VA  
Emmett R. & Sharon S. Cobb, Boykins, VA  
Michael Werner, Richmond, VA  
Brian Haughinberry , Deep Creek Middle School, Chesapeake, VA  
E. Ashley Kindler, Charlottesville, VA  
Penelope Turner, King George, VA  
Glynis Hill c/o GM Smith Legal Services, Attn: Gina Smith, Flossmoor, IL  
Esther Thatcher, Afton, VA  
Timmy Alphin, Alphins Welding, Goshen, VA  
Nancy L Avery, Nellysford, VA  
Barbara Lindsey, Newark, NJ  
Bill Cun, Charleston, WV  
Dagostino, Kathryn and Dennis, Nellysford, VA  
Amy O. and Winston M. Browne III, Boykins, VA  
PATRICK SMITH, Master Service Mid-atlantic, Inc., Elkins, WV  
Sam Johnston, Charlottesville, VA  
Ellen Climo, Charlottesville, VA  
Douglas Throp, Norfolk, VA  
Cheryl Beverage, Cass, WV  
Raike, William, Lovingston, VA  
Matt Morris, Keezletown, VA  
Todd C. Rogers And Brenda K. Rogers, Jane Lew, WV  
Clarence R. Rutherford And Gladys H. Rutherford, Buckhannon, WV  
Louis S. Culpepper, CULPEPPER & ASSOCIATES SECURITY SERVICES, INC.,  
ALEXANDRIA, VA  
William C. Swiger and Tammy D. Swiger, Jackson, WV  
Albert L. Lewis, Jane Lew, WV  
Rodney Bartgis, The Nature Conservancy , Elkins, WV  
Keith Fisher, The Nature Conservancy, Elkins, WV  
Rodney Bartgis, The Nature Conservancy, Elkins, WV  
Thomas Minney, The Nature Conservancy, Elkins, WV  
Timothy Mark McKisic, Buckhannon, WV



Randy Johnson, Rockville, VA  
Ella Gawtry, Charlottesville, VA  
Judy Lane & Knox Jacobs, et al, Pembroke, NC  
Crystal Glover, Jacqueline Owens, and Reginald Owens, Mays Landing, NJ  
DARRELL B JACKSON, Jackson's Cleaning Service, LLC, Charlottesville, VA  
Hunter Darden, III, Franklin, VA  
Joanna Slaughter, DeWitt, VA  
Carl W. Watkins And Sarah Watkins, Baltimore, MD  
William Roberts, Chesapeake, VA  
Dorothy J. & Anthony W. Adkins, Dunn, NC  
Stephen F. Brooks, Falls Church, VA  
Gary Shugars, Bridgeport, WV  
Burton Davis, Sutherland, VA  
Carlton Ballowe, R. Carlton Ballowe Contracting and Consulting, Faber, VA  
R CARLTON & LORNA M BALLOWE, Faber, VA  
Flat Rock Hunt Club Inc., McKenney, VA  
Leotis Bryant, Emporia, VA  
Libra Max, Los Angeles, CA  
Spena, Elma, Floyd, VA  
Carol Dow Ratliff, Swoope, VA  
C. Timothy Smith, Henrico, VA  
Shirley Black, Smithfield Lions Club, Smithfield, NC  
Amanda Jane Hall-Williams, Bryant, AR  
Estate of Wiley & Lucy Brown, et al, Chesapeake, VA  
JOHN MORRIS, MORRIS INDUSTRIES INC., POWHATAN, VA  
Karen B. Rogers And Jeffrey S. Rogers, Jane Lew, WV  
Eric Bruton, Charlottesville, VA  
Kasdan, Rae Lynn, Waynesboro, VA  
Michele Darby, Salem, VA  
Bobby J. Bush, Rice, VA  
Carol Reyes, Norfolk, VA  
Carol Parham, Rutherfordton, NC  
Philip E Balsley, Swoope, VA  
Diane Mayle Walker, Alexandria, VA  
ARC, RICHMOND, VA  
Judy A. Seay - Jones, Yorktown, VA  
Harriet Hirsch, Vienna, VA  
Robert Berry, Richmond, VA  
Francis Asbury Memorial Park, Inc., Roanoke, VA  
Swartz, Harold, Ducanville, TX  
Trenton T. Robinson And Vinson R. Robinson, Buckhannon, WV  
Erma Jo Fielder, Richmond, VA  
Jay Dixon, Kinder Morgan, Newport News, VA  
Zewe, Steven, Columbus, TX  
Chirs Hedrick, Cramer Security & Investigations, Beckley, WV  
Gibson, Claudia, Afton, VA

Colin Winter, Afton, VA  
Mark D. Griffith And Lisa A. Gosness Griffith, Martinsburg, WV  
Nathan Dean, Buckeye, WV  
Joyce Geddie Mahomes, Fayetteville, GA  
John Allen Walker, III, Remainderman, Clinton, CT  
Cindy Palmer, West Augusta, VA  
David K. Bennett, Nellysford, VA  
Joyce Claman, Roseland, VA  
Barbara Tatum, Churchville, VA  
Barbar Tafuni, Churchville, VA  
Dale D. McGowan, Et Al, Buckhannon, WV  
Paul Borzelleca, Maria Lena Hobson, Staunton, VA  
Christine Epling, Eplin's Service Center, Hernshaw, WV  
Annett Medlin, Greater Augusta Regional Chamber of Commerce, Fishersville, VA  
Hannah Cooper, Greater Augusta Regional Chamber of Commerce, Fishersville, VA  
Dean Haldeman, Blue Flame, Berkely Springs, WV  
William Allen, Farmville, VA  
Carrie W. Brewington, Benson, NC  
Delores A. Williams, Benson, NC  
James Collins, Moseley, VA  
Mary B Wright Et al, Stuarts Draft, VA  
Hopkins, Elizabeth, Faber, VA  
Sampson, Diane, Faber, VA  
Koppelman, Fred, Eden Prairie, MN  
Opie, Barbara, Detroit, MI  
Joyce Allen Brown, Halifax, NC  
Mark Ingraio, Reston Chamber, Reston, VA  
Glenwood Bridge, Stuarts Draft, VA  
Wood, Nancy, Wingina, VA  
William Driscoll, Parksley, VA  
Hensley, Delure, Elkton, VA  
Noah M. Bleigh, Jr. And Roger Dale Bleigh, Buckhannon, WV  
Ganesh Macisaac, Satchidananda Ashram/yogaville, Buckingham, VA  
James Bedenbaugh, Jonesville, SC  
John Rhodes, Staunton, VA  
Edward Noble, Mary Noble, Halifax, NC  
Mary Coy, Faber, VA  
Naomi Maddox, Stuarts Draft, VA  
Ronald Lundie, South Chesterfield, VA  
Anne B. Trujillo, Carlton, OR  
Steven and Jenna Anderson, Mannington, WV  
Velma B And Raymond E Hanger Jr, Lyndhurst, VA  
Munoz, Consuelo and Josefina, Buckingham, VA  
Brixton R And Margaret Gum Booth, West Augusta, VA  
Lynn Taylor, Fredericksburg, VA  
Arnold Family Living Trust, Crewe, VA

Regina Ratcliff , Portlock Primary School, Chesapeake, VA  
Ann Misch, Nellysford, VA  
Lorenzen, Edward, Fair Lawn, NJ  
Diane P. Griffin Living Trust Et Al, Suffolk, VA  
Toinetta P. Phillips, Emporia, VA  
William Roberts, Liesfeld Contractor, INC., Rockville, VA  
Monty, Vickie Evans, Henrico, NC  
Carol Baer, Afton, VA  
Katy McCleme, Elkins, WV  
Katy McClare, Elkins, WV  
McClane, Katy, Elkins, WV  
Charles H & Elaine Sue & Timothy H & Beth A Dixon, Clarksburg, WV  
Sheryl Watkins, Richmond, VA  
Walter D. & Annie B. Gray, Como, NC  
Michael Britt, Smithfield, VA  
Cheri Boeckmann, Lovingston, VA  
Longanecker, Mica and Robert, Lovingston, VA  
Jennifer Benson, Charlottesville, VA  
Pivotal Propane of Virginia c/o Southern Company Gas, Attn: Nitin Datt, Naperville, IL  
Ryan Dowd, BEAR CREEK FABRICATION, LLC, Bear Creek, NC  
Adriene Young-Ramsey, Wingina, VA  
Kelley Hernandez, Roanoke, VA  
Hoadley, Ron, North Garden, VA  
Vernon Funn, Garland, TX  
Carolyn L Fischer, Nellysford, VA  
CAROLYN L FISCHER, Nellysford, VA  
William J. Wiggs, Jr. and wife, Donna A. Wiggs, Fayetteville, NC  
Carol Pruner, Roanoke, VA  
Charles F. Chong, Bristol, WV  
Elizabeth Ann Brock, n/k/a Elizabeth B. Srivastava, Germantown, TN  
Brian Harvey, Buckingham, VA  
Jones, James, Big Stone Gap, VA  
Phillip and Yvonne Pearmon Et Al, Annapolis, MD  
Michael D Wray And Molly Dellinger-Wray, Richmond, VA  
Sherry M. Elder, Atlantic City, NJ  
Tom Berlin, Weston, WV  
STEVE USRY, COLONIAL FORD TRUCK SALES INC, RICHMOND, VA  
Constance Mayfield, Winston Salem, NC  
DENNY ALEXANDER, ARMSTRONG FILTRATION, WINCHESTER, VA  
Ryan D And Kimberly R Sheridan, Lyndhurst, VA  
Reginald J Redd, Rice, VA  
Barbara Ann Ashe, Philadelphia, PA  
Mark Barker, Roanoke, VA  
RITCHIE CONCRETE INC, PENNSBORO, WV  
Clifton T Stinnett Estate C/O Phyllis L Breeden, Administrator, Stuarts Draft, VA  
Linda White, Sedly, VA

Russell Allen Wallace, Clarksburg, WV  
Lundie, Jammie, South Chesterfield, VA  
Jerry Lickefoose, Elkins, WV  
Maurice Mason, Long Beach, CA  
Julia M. Batchelor, Life Estate, Nashville, NC  
The Moore Revocable Trust, Williamsburg, VA  
William and Carol Moore, William S & Carol M Moore Trustee, Williamsburg, VA  
Desiree Barnett, Marlinton, WV  
Frances Racette, Charlottesville, VA  
Lee Riggins Rich, Yorktown, VA  
Pierce, L., Parkersburg, WV  
Stoltzfus, Ronald, Harrisonburg, VA  
Leslee McCarty, Lewisburg, WV  
Jeff Hersh, Waynesboro, VA  
Betty M. Cooke, Boykins, VA  
Rock And Metal, LLC, Farmville, VA  
Brunswick Properties, LLC, Farmville, VA  
Maria Spittler, Sud Associates, P.A., Durham, NC  
Edith Ann Seay, Yorktown, VA  
James F. Morgan C/O Stewart Batchelor Hartley, High Point, NC  
Joan Carver, Atlantic Beach, FL  
Heather Louise Finch, Raleigh, NC  
Wade Raymond Finch, Raleigh, NC  
Jane Finch, Pearl L. Finch, Wade Raymond Finch, Heather Louise Finch, Raleigh, NC  
Arthur Cale Lee, Dunn, NC  
Karen and Joe Bearden, Raleigh, NC  
Columbia Gas of Virginia, Chester, VA  
Connor Woodrich, Columbia Natural Gas, Chester, VA  
Wiley May, et al, Greensboro, NC  
Patricia Esch, Chesapeake, VA  
Randy Shillingburg, Basement Systems of West Virginia, Clarksburg, WV  
Randy Shill, Basement Systems, Clarksburg, WV  
David J. Perry, Tallmansville, WV  
Pfeffler, Richard, Richmond, VA  
Bruce C And Loresa S Hatter, Waynesboro, VA  
Loretta Wiley Smith, Baltimore, MD  
Nora Lee Seay, South Plainfield, NJ  
Carl Henne, Fredericksburg, VA  
Marshall S. Clairborne, Hopewell, VA  
Osborne Family Property, LLC C/O Roger G Bowers, Richmond, VA  
Carroll E Mayle, West Union, WV  
Faye M. Mitchell, Suffolk, VA  
Sandra Hanny, Newport News, VA  
Keith Ritchey, Atkinson Industries, Inc., Pittsburgh, KS  
Terence W McPhillips, Virginia Beach, VA  
PHIL FERGUSON, Thunder Contracting, Inc., Waynesville, NC

Caldwell, Jenny, West Danby, NY  
Katie Jane Locklear Brewer, Shannon, NC  
Willie Earl Tart, Dunn, NC  
Michael Melillo, North Haren, CT  
Bonnie J Redding, Palmyra, VA  
Randy L. Wimer, Staunton, VA  
Craigsville Library, Craigsville, VA  
Morris Barco, James Hurst Elementary School, Portsmouth , VA  
Erin Gaertner, Martinsburg, WV  
Rod Toothman, Toothman Campground Properties, Mannington, WV  
Paul Edwards, Waynesboro, VA  
Christine White, Roseland, VA  
Kate and Charlie McIntire, Jon McIntire, Wintergreen Resort, VA  
Evans Family LLC C/O Edna Morgan, Gordonsville, VA  
Herman Wilkins, June Wilkins, Callao, VA  
Bauer, Maurice, Broadway, VA  
Grant Shrader, Virginia Explosives amd Drilling Co., Vansant, VA  
Shannon, Paul, Nellysford, VA  
Lacy Wood, Slate River Enterprises, LLC, Arvon, VA  
Ronald Jenkins, Ruthanna Jenkins, Charlottesville, VA  
Judith Dugan, Nellysford, VA  
LeeAnne Hable, Charleston, WV  
Henry Heller, Faber, VA  
AMBER PEEBLES, Athena Construction Group, Inc., Triangle, VA  
Luke Longanecker, Faber, VA  
Thaddeus Webb, Faber, VA  
Sarah Lanzman, Dyke, VA  
Greensville County, Virginia c/o County Administrator, Emporia, VA  
Bennett, Anthony; Trew, Faber, VA  
David Ladjack, Piney River, VA  
Davis, Brian, Walterboro, SC  
Houston G Jr And Denise A Gaddy, Staunton, VA  
Glenna Cottrell, Stuarts Draft, VA  
Jamie S. Strickland, Selma, NC  
Graham Simmerman, Virginia Trout Unlimited, Arlington, VA  
Thomas Benzing, Trout Unlimited, Arlington, VA  
Chris Wood, Trout Unlimited, Arlington, VA  
Jay Lovering, Virginia Trout Unlimited, Arlington, VA  
Katy Dunlap, Trout Unlimited, Arlington, VA  
Chris Wood, Trout Unlimited, Arlington, VA  
Keith Curley, Trout Unlimited, Inc., Arlington, VA  
Paul N. Cicio, Industrial Energy Consumers of America, Washington, DC  
Meko, Ted, Salem, WV  
Eugene Locklear, Lumberton, NC  
Wilber Loza, TOP OF THE LINE SERVICES LLC, Dumfries, VA  
Lucy C. Mack & Richard Mack, Jr., Dillwyn, VA

Juan C Garcia, Dillwyn, VA  
Marjorie Friffin Dibari, Lewes, DE  
The Heirs And Assigns Of Luther Griffin, Deceased, Lewes, DE  
Gardino, Barbara, Buckingham, VA  
David L. & Essie D. Jones, Lawrenceville, VA  
Joseph Madison, Lovingston, VA  
Eric O'Donnell, Plumbers & Steamfitters Local #83, Wheeling, WV  
Andrew Vermillion, Charlottesville, VA  
Michael and Beth Armstrong, Monterey, VA  
Eva Mettee, Midlothian, VA  
Caroline Kasandra Harris, Marion, IA  
Chris Suber, Construction Development Services Inc, Norfolk, VA  
Erik Enberg, West Virginia Junior College, Bridgeport, WV  
Brian Vandiford, Pendleton, NC  
Mary Reinman, Afton, VA  
James Alston, Jr., Garysburg, NC  
Augusta County Library, Fishersville, VA  
Harold And Margaret Ward Trust Dated May 1, 2007, Margaret C. Ward, Trustee, Tarpon  
Springs, FL  
Frank J Jr And Julie C Trunk, Dumfries, VA  
Lisa Burgess, Virginia Beach, VA  
Joane Ricks, Wilson, NC  
Allen, Peggy and Claude, South Chesterfield, VA  
Robert Scott Starkey, Jane Lew, WV  
David L. Ladthek, Piney River, VA  
Michael Winfield, Stuarts Draft, VA  
Amos F Ebersol, Et al, Farmville, VA  
TAMMY ZINN, ZINN HOE SERVICE INC, BUCKHANNON, WV  
Harnett United PAL, Lillington, NC  
Brown, Gerald and Jacqueline, Detroit, MI  
Scott C And Jody E Warwick, Stuarts Draft, VA  
Chris "KO" Caole, United Rentals, Charlottesville, VA  
Alston Dickens, Dickens Construction Inc., Emporia, VA  
George Stephen May and Gloria Sue May, Bellbrook, OH  
David D Chipps, Alma, WV  
Larry Gene Davis And Kathie LeVaughn Davis, Salem, WV  
Kreps, Karen, Austin, TX  
Kevin J. Havens Senior Counsel Corporate Real Estate International Paper Company, Memphis,  
TN  
Matthew Adler and Kristina Adler, Fort Defiance, VA  
Trevor Campbell, Roseland, VA  
Carol Johanningsmeier, Suffolk, VA  
Halley Orshan, Staunton, VA  
Joseph White, Staunton, VA  
Caroline Ely, Roseland, VA  
Matt Stump, First Piedmont Waste Solutions, Roanoke, VA

Katie Johnson, OBBCO Safety, Chesapeake, VA  
Katy Mullen, OBBCO Safety, Chesapeake, VA  
Damer Henry, Chesapeake, VA  
Michael Benedum, BSI Well Service, Salem, WV  
Aalpha Forming & Shoring Inc., et al, Amelia, VA  
Ruth Kelley, Irving, TX  
Tim Cawood, McKim & Creed, Inc., Raleigh, NC  
Dale Walker, Charlottesville, VA  
Gloria Gray, Chesapeake, VA  
JERRY W CLARK SR, Clark Enterprises, Inc., J. W., Chesapeake, VA  
Beverly Grider, Southfield, MI  
Garret & Nicky Jacobs Bullard, Pembroke, NC  
Nick Hodges, ROBERT E MASON & ASSOCIATES INC, CHARLOTTE, NC  
Robert Banach, Read Steel Co., Inc., D. T., Chesapeake, VA  
Benny Ray Autry, Stedman, NC  
BRIAN SMITH, Advantage SCI, LLC, Alexandria, VA  
Valerie W Atkinson, Rocky Mount, NC  
Valerie A Watson, Rocky Mount, NC  
James Wyman Royal, Eastover, NC  
Donald Dukes, Baltimore, MD  
Sarah Anrae Gurganus, Remainderman, Capron, VA  
Gary Garrett, Amelia, VA  
Terry Coppedge, NAPA Auto Parts, Rocky Mount, NC  
Lisa Billow, Norfolk, VA  
Dwayne Matheny, Allegheny Surveys, Inc., Bridgeport, WV  
Maxie Maynor, Shannon, NC  
Chad Carpenter, Plecko Construction, Staunton, VA  
Timothy W. Plecker, Plecker Construction Co., Staunton, VA  
Donald Love & Paulette C. Culbreth, Mooresville, NC  
Joseph C Seufer, Collegeville, PA  
Cornelia Tillotson, Henrico, VA  
James Burwell Urquhart, Richmond, VA  
Brandon Steele, Shale Energy Resources, Charleston, WV  
Dylan Maxwell Chapman, Stuarts Draft, VA  
Danny L. Glenn, Stuarts Draft, VA  
Lawrence M. Roberson, Henrico, VA  
DORIS W SPRUILL, SPRUILL CONSTRUCTION CORP, LINDEN, NC  
Matt Harris, Local 798, Manguin, VA  
Tobias Wilbur, Susanne Wilbur, Charlottesville, VA  
Regina Williams, Chesapeake, VA  
Elizabeth Scott, Scotland Neck, NC  
Amy Ring, Isle Of Wight, VA  
Daniel Parmele, Charlottesville, VA  
Sandy Newhouse, Charlottesville, VA  
Kevin Williams, Reston, VA  
Perry Neal Perine, Sr, Bruceton Mills, WV

Brandon Oakes, RJ Smith Companies, Richmond, VA  
Bruce Zickafoose, RJ Smith Construction, Richmond, VA  
JANET H KING, R J SMITH CONSTRUCTION, INC., RICHMOND, VA  
Angela Jeter, JAMES RIVER COMPANIES LLC, CHESTER, VA  
Virgin, Don, Richmond, VA  
Brown, Mary, Beaverdam, VA  
James and Trisha English, Warm Springs, VA  
Randy Funk, SW Funk, Chester, VA  
Joyce Hanger, Staunton, VA  
Chester F. & Barbara Ehrenzeller, Virginia Beach, VA  
Gregory L And Aleta S Shelton, Powhatan, VA  
Adriane Louise Johnson, Peachtree Corners, GA  
Krista Waibel, Fon, Nelly's Fall, VA  
Cunningham, Benjamin, Afton, VA  
W Stuart Moffett III, Staunton, VA  
Christopher A. Jackson and Kimberley Gray C. Jackson, Nashville, NC  
Alice Thompson Cross, Suffolk, VA  
Alta Mesa, LLC, Suffolk, VA  
David McCarley, SE Technologies Acquisitions, LLC, Chagrin Falls, OH  
James P Kearns, POTOMAC VALLEY CUSTODIAL SERVICES, INC., MCLEAN, VA  
Sagle J Purcell, PURCELL EXCAVATING, INC., C. T., MONTPELIER, VA  
David A Harned, Richmond, VA  
Pamela Woolen, Fayetteville, NC  
Nathan Moore, Richmond, VA  
WV Northern Community College, Wheeling, WV  
Tyler Black, EASTERN REGION AQUATIC WILDLIFE DIVERSITY COORDINATOR,  
Raleigh, NC  
Mary Calloway, Midlothian, VA  
Daniel, Frances, Desputantor, VA  
RICK ROLLINS, CARLYLE & ANDERSON INC, PURCELLVILLE, VA  
Gene Pietrowski, CDI Corporation, Charleston, WV  
CHARLES G HACKWORTH, HACKWORTH REPROGRAPHICS, INC., CHESAPEAKE,  
VA  
R.L. Frost, Norfolk, VA  
Edna V. Baehre-Kolovani, Tidewater Community College, Virginia Beach, VA  
ARCET EQUIPMENT CO, RICHMOND, VA  
Scott & Robin Williams, Selma, NC  
Leverone, Olivia, Beth, Abigail, Paul, Harry, Elizabeth, Nellysford, VA  
Cynthia H. Cooper, Nashville, NC  
Eva Hawkins, Nashville, NC  
Dorothy O Dice, Farmville, VA  
Otis L. Parker, West Orange, NJ  
Vanessa H. Trotter, Hampton, VA  
Matt Lowther, Proactive Services, Clarksburg, WV  
Travis Richards, Proactive Services, Clarksburg, WV  
Rob Hinerman, Clarksburg, WV



Rob Hinerman, Clarksburg, WV  
Barbara Tafuni, Churchville, VA  
R. Forrest Tucker, Fredericksburg, VA  
Rowena M. Reich Aka Rowena Ridgeley, Bloomingburg, NY  
Roger Dale Bleigh, Buckhannon, WV  
Faye Crawford Cooper, Valley Conservation Council, Staunton, VA  
H. Bruce Rinker, Valley Conservation Council, Staunton, VA  
Nataha Skelton, Valley Conservation Council, Staunton, VA  
William Snow, Board Chairman, Valley Conservation Council, Staunton, VA  
William H. Greene, Enfield, NC  
Elk Meadow Farm, LLC, Churchville, VA  
J. Donald Bray, Powhatan, VA  
Melvin K. Stoltzfus, Jr. Et al, Strasburg, PA  
Judy W. Morris, Amelia, VA  
Ayla Palermo, Charlottesville, VA  
Richard L. Thomas, Powhatan, VA  
JEEJ Holdings, LLC, Nashville, NC  
Thomas Strader And Phyllis Strader, Buckhannon, WV  
Paul M Jr And Sandra J Sandy, Staunton, VA  
James R. and Maureen G. Glenn, Colonial Heights, VA  
Maurice Carter, The Crystal Cathedral, Dillwyn, VA  
Mike West, Foster Fuels, Brookneal, VA  
Sherry K Trayer, Dewitt, VA  
James T. Connor, Clinton, NC  
Barker, Larry, Buckingham, VA  
Tristen Gray, Tennerton Elementary School, Buckhannon, WV  
Winton Pittman, Jr., East Amherst, NY  
Elizabeth Upchura, Virginia Beach, VA  
ASHLEY ROSE, QUALITY CCTV SYSTEMS INC, MIDLOTHIAN, VA  
Brady, Anne Clarke, Charlottesville, VA  
Jeff Johnson, Arc3 Gases, Dunn, NC  
Fern L Nutter, Salem, WV  
Amy and Claude Scott, Dunmore, WV  
Tyler Turner , Local 147, Elkton, VA  
Carrie Jane Moore Et Vir, West Union, WV  
Heather Richards, The Conservation Fund, Arlington, VA  
Randall Dean Shaffer, Jane Lew, WV  
Deborah Workman, Ft. Lauderdale, FL  
J Kubalewski, Virginia Beach, VA  
Kevin Smith, KH Smith Comm., Rocky Mount, NC  
Gary L. Rhodes, Reynolds Community College, Richmond, VA  
Devonia Danyel Covington, Tampa, FL  
Judy Kameoka & Douglas Sumner, Petersburg, VA  
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Daasyaananda, Swami, Buckingham, VA  
Forga, Cynthia, Buckingham, VA  
Gurucharanananda, Swami, Buckingham, VA

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Joelle Pearson, Buckingham, VA  
John Clemons, Buckingham, VA  
Joseph Jeeva Abbate, Satchidananda Ashram - Yogaville, Inc, Buckingham, VA  
Jyoti, Swami, Buckingham, VA  
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Julia S Wingfield, Madison Heights, VA  
Colum Leckey, Bridgewater, VA  
Paula Alexander, Nellysford, VA  
Jerry W. Pierce Revocable Trust dated May 10, 2000, Yorktown, VA  
Roger Gosden, Williamsburg, VA  
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A  
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Michael Town, Virginia League of Conservation Voters, Richmond, VA  
Maria Johnson, Smithfield Rotary Club, Smithfield, NC  
Richardson Memorial Library, Emporia, VA  
Dreana Anderson, Staunton, VA  
Cathy C. & William S. Belcher, Jr., Franklin, VA  
Samuel Snead, Red Springs, NC  
Jason Griffith, Plumbers & Pipefitters Local 152, Morgantown, WV  
Daniel W. Lufkin, Paul D. Camp Community College, Franklin, VA  
Deran Whitney, Suffolk Public Schools, Suffolk, VA  
James H Jeffries IV, Moore and Van Allen, for Duke Energy Carolinas, LLC and Duke Energy  
Progress, LLC, Charlotte, NC  
Melinda L Vervais, Moore and Van Allen, for Piedmont Natural Gas Company, Inc., Charlotte,  
NC  
School Board/City of Suffolk, Suffolk, VA  
PETERSBURG MOTOR CO INC, CHARLOTTESVILLE, VA  
Joyce Seay, Hampton, VA  
Renee Rountree, Isle of Wight-Smithfield-Windsor Chamber of Commerce, Smithfield, VA  
Gary Bullard, Tobaccoville, NC  
Lee Syria, Newton, NC  
Spencer A. Knous, Stuarts Draft, VA  
Katrin Sara Andrzejewsic, Levittown, PA  
Susan O'Hanlan, Liberty, SC  
Ervin V. Griffin, Sr., Halifax Community College, Weldon, NC  
Allen Purser, Halifax Community College Foundation, Weldon, NC  
Jonathan Dunn, Dunn Service Group, Inc, Thomasville, NC  
Joyce Wendel, Westerville, OH  
Paul Wendel, Westerville, OH  
Chris Wood, Davis & Elkins College, Elkins, WV

Priscilla B. Taylor, Trustee of the Veronica Z. Ballentine Trust u/a/d November 14, 2003,  
Suffolk, VA  
Lake Prince Center Inc., Suffolk, VA  
John Zagorski, Michael Baker International, Coraopolis, PA  
Carrington Gallihugh, Charlottesville, VA  
Highland County Public Library, Monterey, VA  
Phillippe Russell Cloutier , Houston, TX  
David Miller, Elverson, PA  
William Shaw, Jr., Vesuvius, VA  
Frank DeBerry, Snowshoe Mountain Resort, Snowshoe, WV  
Airlie Thorne Farms of Virginia LLC c/o Weldon Steel, Attn: R. Neal Keesee, Jr., Roanoke, VA  
Dennis Keyser C/O Isak Howell, Roanoke, VA  
Horizons Village C/O Isak Howell, Roanoke, VA  
The Wilderness, LLC, C/O Isak Howell, Roanoke, VA  
Christa Burrows, Et Al, Lost Creek, WV  
Benjamin Haywood, Denville, NJ  
Halifax County (4H-Camp), Halifax, NC  
Tom Long, Mt Solon, VA  
Crystal K Shahan, Salem, WV  
Sarah E. Townsend, Newark, NJ  
Anne Blankenship, WV ONGA, Charleston, WV  
Randolph County Development Authority, Elkins, WV  
Clifton G and Erinne S Longobardi, Alexandria, VA  
Gene E. Doyle Et Al, Beverly, WV  
Earlene Stroud, et al, Smithfield, NC  
Hatcher, Gerry, Danbury, CT  
Gary Tillis, WV APPALACHIAN LABORERS' DISTRICT COUNCIL  
Henry Neal, Charleston, WV  
Matt McComos, Charleston, WV  
Suthmri Kapur, Charlottesville, VA  
Linwood Day Care, Showshoe, WV  
Byrne, Sophia, Deerfield, NH  
Shelly Tichy, Westmoreland Conservancy, Murrysville, PA  
Westmoreland Conservancy, Murrysville, PA  
Alan Halperin, Westmoreland Conservancy, Murrysville, PA  
Karen Facemyer, Polymer Alliance Zone, Davisville, WV  
Pickens Elementary , Pickens, WV  
Jeff Mackenthun, Merjent, Minneapolis, MN  
Zeke Rice, Merjent, Minneapolis, MN  
McKenzie, Barbara, Princeton, WV  
Judith A Lundberg, N Chesterfield, VA  
Vickie L. Anderson, Bridgeport, WV  
High View Farm, LLC, Norfolk, VA  
John A. Downey, Blue Ridge Community College, Weyers Cave, VA  
Upshur Property, Inc., A Delaware Corporation, St. Louis, MO  
Staunton Public Library , Staunton, VA



David Shifflet, Charleston, WV  
Caleb L. Lewis And Candida M. Lewis, Tallmansville, WV  
Kristin Perecko Sheffler, Hampton, VA  
Jenkins Family Trust, Buckhannon, WV  
Veronica Gibson, West Virginia Conservation Agency, McMechen, WV  
John Simmons, Bartow, WV  
Curtis R. Turner, Jr., et al, Southern Shores, NC  
Jeffrey McGann, Nellysford, VA  
Buckingham County Public Library , Dillwyn, VA  
Jim Leatherwood, Applied Consultants Inc, Longview, TX  
Vernon T. Bradley, Jr. Living Trust dated January 31, 1996, Halifax, NC  
Albert T. (Tim) Catlett, Progressive Business Solutions, Inc., Raleigh, NC  
A Lawrence Rose, Penn Laird, VA  
Ann Joyner, Potecasi, NC  
Ann Mooney, Piney River, VA  
Appalachian Mountain Advocates, Lewisburg, WV  
April Wright, Blackstone Chamber Of Commerce, Blackstone, VA  
Arden Swecker, Canaan Valley Gas, Davis, WV  
Asha Greer, Batesville, VA  
Autumn Wooling, Renick, WV  
Barb Cauthom, Staunton, VA  
Barbara Everly, Bristow, VA  
Barbara Walsh, Rockbridge Area Conservation Council, Lexington, VA  
Barry Marshall, Williamsville, VA  
Basia Tompkins, Earlysville, VA  
Beale, Teresa, Franklin-southampton Area Chamber of Commerce, Franklin, VA  
Beaudet, Carla, Green Bank, WV  
Bell, Norm and Sara; Bolar Ruritan Club, Monterey, VA  
Belsky, Harold and Susan, Stuarts Draft, VA  
Ben Coe, Charlottesville, VA  
Ben Lockett, Appalachian Mountain Advocates (VARIOUS ORGANIZATIONS), Lewisburg,  
WV  
Benjamin Lockett, Appalachian Mountain Advocates; Sierra Club-virginia Chapter, Lewisburg,  
WV  
Benson Area Women's Organization, Benson, NC  
Beth Hellems, Waynesburg Lions Club, Waynesburg, PA  
Betty Mitchell, Monterey, VA  
Betty Otley, Merry Point, VA  
Bill Lindsey, Warm Springs, VA  
Bill Thomas, Buckhannon-upshur Airport Authority, Buckhannon, WV  
Bill Wilson, Covington, VA  
BJ Blessing, Crimora, VA  
Blue Ridge Life Magazine, Wintergreen, VA  
Board of Commissioners, North Carolina Rural Water Association, Newton Grove, NC  
Bobby Albrite, Callao, VA  
Borgerding Joseph, Crewe-burkeville Chamber of Commerce, Crewe, VA

Brady, Peter, Port Orange, FL  
Brian Chase, Ivy, VA  
Bruce Fitzwater, Calhoun Banks, Grantsville, WV  
Bruce Johnson, Irvington, CA  
Bruce Sutton, Staunton, VA  
Bud Cook, Monterey, VA  
C. Nelson Hoy, Cowpasture River Preservation Association, Millboro, VA  
Cabell Hodges, Warm Springs, VA  
Carl Hatfield, Bridgeport Lions Club, Bridgeport, WV  
Carla Beaudet, Green Bank, WV  
Carlson, Susan, Wintergreen, VA  
Carver Family, Linden, NC  
CATHERINE ELAINE GARDNER OLLIS, Oak Ridge, NC  
Chad Oba, Friends of Buckingham, Buckingham, VA  
Chapin E Wilson Jr And Janice Jackson, Shipman, VA  
Charlene D Snoddy, Dillwyn, VA  
Charlie Wineberg, Friends of Nelson, Nellysford, VA  
Charlie Wineberg, Nellysford, VA  
Cheri Moran, Shenandoah Valley Kiwanis Club, Staunton, VA  
Cheryl Crews, Washington, VA  
Cheryl Locklear, Pembroke, NC  
Chester Deloatch, Rich Square, NC  
Chris Miller, Piedmont Environmental Council, Warrenton, VA  
Chris Ratliff, Pounding Mill, VA  
Chris Saxman, Exec Director, Virginia Free, Henrico, VA  
Christine Ellis, Winyah Rivers Foundation Center For Marine And Wetland Studies, Conway,  
SC  
Chuck Peoples, Roanoke River Basin Bi-state Commission (rrbbc), Richmond, VA  
City of Roanoke Rapids, Roanoke Rapids, NC  
Clara Parker, Seaboard, NC  
Clifford Hoch, Moatsville, WV  
Clinton Williams, Garysburg, NC  
Cole, Barbara, Mechanicsville, VA  
Cooper, Craig R, Rockfish Valley Foundation, Nellysford, VA  
Cowpasture River Preservation Association, Millboro, VA  
Cunningham, N.E., Mechanicsville, VA  
Cunningham, Peggy, Mechanicsville, VA  
Dan Holmes, Piedmont Environmental Council, Warrenton, VA  
Danny Bell, Triangle Native American Society, Raleigh, NC  
Daughtery-Smith, Rebecca, Harbinger, NC  
Dave Barger, Roanoke, VA  
David Miller, Verona, VA  
Davis, Amy, Charlottesville, VA  
Dawson, Gilbert, Purcellville, VA  
Deborah Harris, Floyd, VA  
Dewayne Hannah, Hannah Engineering, Elkins, WV

Dia Denton, Halifax-northampton Regional Airport Authority, Halifax, NC  
 Diane and Larry Korte, Churchville, VA  
 Dodds, Arthur, Laurel Mountain Preservation Association, Montrose, VA  
 Donna McGrath, Irvington, VA  
 Donna Truslow, Crozet, VA  
 Dot Terry, Monterey, VA  
 Doug Wood, Wv Scenic Trails Association, Charleston, WV  
 Douglas Wood, Chairman, Montain Resource Conservation and Development Council, Oak Hill,  
 WV  
 Ed Piures, J.f. Allen Co., Buckhannon, WV  
 Ed Vann, Rocky Mount Kiwanis Club, Rocky Mount, NC  
 Eleanor L. Bell, Snowshoe, WV  
 Elise Keaton, Hinton, WV  
 Elizabeth Kennon Williams, Batesville, VA  
 Elizabeth Nicholas, Waterkeepers Chesapeake, Takoma Park, MD  
 A  
 Ellen Andrews, Hot Springs, VA  
 Emily Hult, Schuyler, VA  
 Erin M Lahan, Greenwood, VA  
 Erin Milhan, Greenwell, VA  
 Ernest Q Reed, Jr, Wild Virginia, Charlottesville, VA  
 Ernest Reed, Nellysford, VA  
 Ernie Reed, Wild Virginia, Charlottesville, VA  
 Eva Hanson, Fayetteville Kiwanis Club, Fayetteville, NC  
 Eva Harris, Lovingston, VA  
 Faye Barnes, Sharpsburg, NC  
 Faye Passmore, Esmont, VA  
 Float Fishermen of Virginia, Roanoke, VA  
 Frank C. Lohr, Cobbs Creek, VA  
 Frank Johnson, Lovingston, VA  
 Frazier, W. Michael, Huntington, WV  
 Friends of Water, Friends of Water, Minden, WV  
 Frits van der Leeden, Lexington, VA  
 Gary Brown, Conway, NC  
 Gary Graham, Rainelle, WV  
 Gavin McClung, Monterey, VA  
 George Hermane, Jc Tax Admin, Smithfield, NC  
 Georgia Huyer, Crozet, VA  
 Gibson, Royce, Churchville, VA  
 Gil Pruitt, Onancock, VA  
 Gloria Williams, Weldon, NC  
 Gordon Blackley, Elkins, WV  
 Grace I Williams, Kermit, WV  
 Grace Williams, Kermit, WV  
 Graham Hatch, Sunbury, NC  
 Grayson Duke, L.p. Dugger, Brodnax, VA

Greater New Martinsville Development Corporation, New Martinsville, WV  
Greg Hadjis, J.f. Allen Co., Buckhannon, WV  
Greg Smith, Glenville, WV  
Harrison Craig, Union, WV  
Haywood Hamlet, Roanoke River Basin Bi-state Commission (rrbbc), Richmond, VA  
Heather Deck and Matthew Starr, Sound Rivers, Washington, NC  
Heidi Dhivya Berthoud, Friends of Buckingham, Buckingham, VA  
Herschel Wells, Hartsville, SC  
Hobey Bauhan, President, Virginia Poultry Foundation, Harrisonburg, VA  
Holland, Russell, Powhatan, VA  
Horizons Village Property Owners Assoc, Nellysford, VA  
Howard Arthur Williams, Covesville, VA  
Howard Weeks, Spring Hope, NC  
Hugh Irwin, Landscape Conservation Planner, The Wilderness Society, Black Mountain, NC  
Isak Howell, Appalachian Mountain Advocates, Lewisburg, WV  
J. and S. Field, Monterey, VA  
Jack Williams, Hot Springs, VA  
Jacob Ford, Staunton, VA  
Jaime McArdle, Warm Springs, VA  
James A Thompson, Professor, West Virginia University, Morgantown, WV  
James MacRae, Jr., MacRae, Perry, MacRae and Whitley, L.L.P., Fayetteville, NC  
Jamie Hawley, Vdn - Nottoway, Nottoway, VA  
Jane Ellen Morningstar, Renick, WV  
Jane M. Twitmyer, Roseland, VA  
Janet Starr, Slatyfork, WV  
Janice Reynolds, Chincoteague Island, VA  
Janie Hughes, Jim Hughes, Monterey, VA  
Janis Ranck, Powhatan, VA  
Jason Halbert, Friends of Nelson, Nellysford, VA  
Jason Bausevman, Bartow, WV  
Jason Lockard, Glenville, WV  
Jaynell Graham, Buckeye, WV  
Jeanne Bell, George Bell, Snowshoe, WV  
Jeff McCluse, Lost Creek, WV  
Jeremy Boggs, Virginia Wilderness Committee, Charlottesville, VA  
Jerry W. Jagger, Matthews, VA  
Jessica M. Pura, Nellysford, VA  
Joan Maloof, Old-Growth Forest Network, Easton, MD  
JoAnn Gardner, Dunmore, WV  
Joanna Salidis, Friends of Nelson, Nellysford, VA  
Joe Lukaszewski, Pine Level Lions Club, Pine Level, NC  
Joe Madison, Lovingston, VA  
Joe McClellan, Lovingston, VA  
Joe McCoy, Tallmansville, WV  
John Cobb, Ireland, WV  
John E Nestler, Elkins, WV

John Feild, Roanoke River Basin Bi-state Commission (rrbbc), Richmond, VA  
John Jills, Staunton, VA  
John Jones, Seaboard, NC  
John McKeithen, Nellysford, VA  
John McKinnon, Mill Hill Homeowners Assoc, Nellysford, VA  
John McKinnon, Nellysford, VA  
John McMillan, Jr.; John McMillian, Lambertton, NC  
John Pancake, Rockbridge Baths, VA  
John S Paneehe, Rockbridge Baths, VA  
John T. Atvent, Nashville, NC  
John, Geri Sweeney, Cobbs Creek, VA  
Johnson, Allen, Eight Rivers Council, Hillsboro, VA  
Jon Ansell, Friends of Wintergreen, Inc., Nellysford, VA  
Jonathan Ansell, Friends of Wintergreen, Nellysford, VA  
Joseph Lovett, Appalachian Mountain Advocates, Lewisburg, WV  
Joseph Madison, Lovingston, VA  
Joy Leman, Nellysford, VA  
Judith Mosedale, Staunton Rotary Club, Staunton, VA  
Judy Ladjack, Piney River, VA  
Julian Sanderson, Maxton, NC  
Kathryn Nokes, Keswick, VA  
Katlyn Clark, Waterkeepers Chesapeake, Takoma Park, MD  
Ken Randolph, Friends of The Blue Ridge Parkway, Roanoke, VA  
Ken Davis, New Martinsville Lions Club, New Martinsville, WV  
Kendrick, Wendy, Central Virginia Land Conservancy, Lynchburg, VA  
Kevin Tucker, Virginia Beach, VA  
Kim Woodwell, Shenandoah Forum, Woodstock, VA  
L Orange, Farmville, VA  
Lacey, Beverly, Nellysford, VA  
Larry Wooten, North Carolina Farm Bureau, Raleigh, NC  
Larry Yarborough, Roanoke River Basin Bi-state Commission (rrbbc), Richmond, VA  
Laura Bendler, Fleisher Health Card Corp, Nellysford, VA  
Laura Bozzi, Appalachian Mountain Advocates, Lewisburg, WV  
Laura Rum, Buckingham, WV  
Lawrence B Herring, Nellysford, VA  
Lee Diehl, Nellysford, VA  
Lee Elliott, Warm Springs, VA  
Leslee McCarthy, Greenbrier River Watershed Association, Lewisburg, VA  
Lewis Freeman, Highlanders For Responsible Development, Monterey, VA  
Linda Geddis, Chesapeake, VA  
Ling, Teresa, Warm Springs, VA  
Linwood Parker, Four Oaks, NC  
Lisa Tully, Horizons Village Property Owners Assoc, Nellysford, VA  
Loi Patkin, Greenwood, VA  
Lorene Huddleston, Dillwyn, VA  
Lou Zeller, Blue Ridge Environmental Defense League, Glendale Springs, NC

Louise Scott, Warsaw, VA  
Lyle and Diana Kiser, Hinton, VA  
Lynda Price, Grimstead, VA  
Lynn Oxendine, Pembroke, NC  
Lynnda Gilliam, Nellysford, VA  
Makel, Martha, Nellysford, VA  
Maranzano, Seanan, Ivy, VA  
Marilyn Shifflett, Nellysford, VA  
Marjorie Dean, Warsaw, VA  
Mark D Kersey, Middlebrook, VA  
Mark E Dempsey, Appalachian Power, Roanoke, VA  
Mark Hodge, Mcdowell, VA  
Mark Miller, Exec Dir, Virginia Wilderness Committee, Lexington, VA  
Mark Mitchell, Nellysford, VA  
Marshall Crawford, Elkins, WV  
Martha Moore, Virginia Farm Bureau, Richmond, VA  
Mary Gibbons, The Plains, VA  
Matt Rhoad, Smith Anderson, Raleigh, NC  
Matthews, Stuart Lee, Angier, NC  
Mayor, Newton Grove, Newton Grove, NC  
McCarty, Leslee, Greenbrier River Watershed Association, Lewisburg, WV  
MERLEON TERESA CREECH ARTHUR, Pine Level, NC  
Michael Bender, Kenbridge, VA  
Mike Smith, Brownsburg, VA  
Misty Boos, Wild Virginia, Charlottesville, VA  
Mitch & Laura Fleishman, Friends of Nelson, Nellysford, VA  
Mr. and Mrs. G.K. McClurg, Monterey, VA  
Mr. Daugherty, West Union, WV  
Nancy Maxson, John Minear, Nellysford, VA  
Nancy Wilson, Nellysford, VA  
Nate Hall, Roanoke River Basin Bi-state Commission (rrbbc), Richmond, VA  
Nathalie Cord da Nobrega Ruiz, Keswick, VA  
Neil Byrd, Benson Lions Club, Benson, NC  
Nell Carpenter, Warm Springs, VA  
Nutt, Bob, Staunton, VA  
Oscar Davis, Fay, NC  
Pam Nutter, Huttonsville, WV  
Pamela Dodds, Laurel Mtn Preserv Assoc, Montrose, WV  
Patricia M. Herman, Wachapreague, VA  
Patricia Oppenheimer, Batesville, VA  
Paul Dorman, Smithfield Kiwanis Club, Smithfield, NC  
Paul Sherman, North Carolina Farm Bureau, Raleigh, NC  
Paula Holmes, Clifton, VA  
Peter A Agelasto III, Chairman, Rockfish Valley Foundation, Nellysford, VA  
Peter Agelasto and Sarah Collins, Rockfish Valley Foundation, Nellysford, VA  
Philip Khnopp, Trinity Point Farm, Churchville, VA

Phillip and Jane Fellows, Batesville, VA  
Plymale, Tommy, International Union of Operating Engineers, Charleston, WV  
Poe, Jeffrey, Mark Poe, Greenville, VA  
Pond, William, Nellysford, VA  
Purser, Alan, Roanoke Valley Chamber of Commerce, Roanoke Rapids, NC  
Rachel Bagby, Charlottesville, VA  
Rachel Fanning, Slatyfork, WV  
Rasmussen, Frank, Edgemont, SD  
Rebecca Espinoza, Lynchburg, VA  
Rebecca Ledingham, Madison Heights, VA  
Reindeau, Richard, Fort Collins, CO  
Rhoda Clement, Claudville, VA  
Richard Brooks, Cowpasture River Preservation Assoc, Millsboro, VA  
RICHARD E & TERESA C ARTHUR, Pine Level, NC  
Richard L. Saslaw, Springfield, VA  
Richard Laska, Barton, VA  
Rick Chittum, Staunton, VA  
Rick Lambert, Virginia Cave Board, Virginia Highlands Grotto, Monterey, VA  
Robert Doron, Kilmarck, VA  
Robert Marmet, Piedmont Env Council, Warrenton, VA  
Robert Merritt, Seth, WV  
Roller, Lawrence, Mt Sydney, VA  
Ronald Sander, Gloucester, VA  
Ronnie Johnson, North Tazewell, VA  
RUSSELL EDWARD HOLLAND, TRUSTEE, Testamentary Trust Two Created Under The  
Will Of Richard Edward Holland, Powhatan, VA  
Ryan T Hauser, JF Allen Company, Buckhannon, WV  
S. Showalker, Middlebrook, VA  
Sage Beam, Shipman, VA  
Sailor's Creek Battlefied - Kay Whitfield, Farmville-prince Edward Historical Society,  
Farmville, VA  
Salem Chamber of Commerce, Salem, WV  
Shannon Leyba, Port Haywood, VA  
Sharon McDonald, Lost Creek, WV  
Shawn de Lestard, King, NC  
Shenandoah Valley Economic Development Partnership, Harrisonburg, VA  
Sherman Bomford, Roanoke, VA  
Sherry J. Ryder, Planning/Zoning Administrator, Warm Springs, VA  
Sherry Robinson, Lovingston, VA  
Shifflet, Maryland, Nellysford, VA  
Silas and Marie Gillespie, Buckingham, VA  
Smith, Michael, Brownsburg, VA  
Stallings, I., Monterey, VA  
Steve Hewitt, Stuarts Draft, VA  
Story, Jessica, Hudgins, VA  
STUART LEE MATTHEWS, Angier, NC

Stuart Lee Matthews and Jeffrey H. Matthews, Angier, NC  
Suffolk II Battlefield, Suffolk Nansemond Historical Society, Suffolk, VA  
Susan B Chase, Batesville, VA  
Susan Johnson, Irvington, VA  
T.H. Sheflin, Patrick Springs, VA  
Teresa C Arthur, Pine Level, NC  
Terry Langley, Pottsville, AR  
Therese Vick, Blue Ridge Environmental Defense League, Glendale Springs, NC  
Thomas Dorflel, Nellysford, VA  
Thomas W. Dorfler, Nellysford, VA  
Thomas, Rebecca and Larry V., Circleville, WV  
Tom Caldwell, Rotary Club of Mount Pleasant, Mount Pleasant, PA  
Tom Dorfler, Nellysford, VA  
Tom Elliott, Ivy, VA  
Tommy and Yvette Stafford, Nellysford, VA  
Tommy Richards, Buckhannon, WV  
Town Hall, Jane Lew, Jane Lew, WV  
Trina Karolchik Wafle, WVU National Research Center for Coal and Energy, Morgantown, WV  
Tucker, Kim, Lovingston, VA  
Versluys, Katherine, Acorn Inn, Inc., Nellysford, VA  
Verslyus, Martin, Nellysford, VA  
Ward Burton Wildlife Foundation, Halifax, VA  
Wayne Pryor, Virginia Farm Bureau, Richmond, VA  
Weaver, Peace, Asheville, NC  
Werner, Lois, Lovingston, VA  
William Jones, Warm Springs, VA  
William T Wilson, President, Jackson River Preservation Assoc, Inc, Covington, VA  
William Wilson, Jackson River Preservation Association, Covington, VA  
William, Elizabeth, Batesville, VA  
Williams Forestry & Associates, Millville, PA  
Williams, Howard, Covesville, VA  
Williams, Stephen, Glen Allen, VA  
Witschey, Nancy, Monterey, VA  
Worthington and Marie Flowers, Dillwyn, VA  
WV Sierra Club Chapter, Morgantown, WV  
Rotary Club of Mount Pleasant, Mount Pleasant, PA  
Bluewater Rentals, Franklin, VA  
Salem Chamber of Commerce, Salem, WV  
Benson Area Women's Organization, Benson, NC  
Fayetteville Rotary Club, Fayetteville, NC  
WV Sierra Club Chapter, Morgantown, WV  
Daugherty, West Union, WV  
4D Farms, LLC, Seaboard, NC  
A Troy And Pamela I Rutherford, Fishersville, VA  
A.J. Trusler, Jr., Buckhannon, WV  
Aaron Horne, Entegra Eneary Solutions, Bridgeport, WV



AC Briddell, Nellysford, VA  
Acres Sand and Stone, LLC, Lexington, VA  
Al Fader, Kealy, NC  
Alex Parham, c/o Helen Simmons, Burkeville, VA  
Alex Sutton, Entegra, Bridgeport, WV  
Allegheny Wood Products, Inc, Jacksonburg, WV  
Allen H. Hudson & Steven Hudson d/b/a Hudson Farms, a NC General Partnership, Falcon, NC  
Alvin W. & Sheila G. Reavis, Skippers, VA  
American Property, LLC, A Virginia Limited Liability Company, Farmville, VA  
Amy Edge, Tar River Land Conservancy, Louisburg, NC  
Andre & Marie Derdeyn, Lovingston, VA  
Andrea K. Kniffen, Elkins, WV  
Andrew Cripps, Isle of Wight-Smithfield-Windsor Chamber of Commerce, Smithfield, VA  
Andrew Ralph Guzy, David Keith Guzy, Sr., Joyce Ann Hammer, Morristown, TN  
Angela Brosen, Fairfax, VA  
Angie M Dupree Et al, West Point, VA  
Anita Brown, Remainderman, Micro, NC  
Anita Lynn Gebb Bell, Stuarts Draft, VA  
Ann S. Tiernan & John Charles Jones, Jr. c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
Williamsburg, VA  
Arcelia Anderton, Life Estate, Weldon, NC  
Arden Swecker, Canaan Valley Gas, Beverly, WV  
Arthur B and Joan B Cauley, Mechanicsville, VA  
Ashton Berdiwe, Elkins, WV  
Atkins Cabin LLC, Farmville, VA  
Augusta County Landfill Land Trust, Verona, VA  
Augustus C. Cofield, Jr., Weldon, NC  
B. E. Brannock, Timberlakesmith, P.C., Staunton, VA  
Bailey Fire Department, Green Hornet Fire District, Inc, Bailey, NC  
Barb Cauthom, Staunton, VA  
Barbara Lindberg, Slaty Fork, WV  
Barbara Hicks, Grottoes, VA  
Barrett Hardiman, Luck Companies, Richmond, VA  
BBC Enterprises, Spring Lake, NC  
Beale Farm LLC, Ahoskie, NC  
Beckwith Lumber Company, Slatyfork, WV  
Ben Duncan, Mecklenburg, Boydton, VA  
Benjamin E. Jones, Crewe, VA  
Benjamin Waring, Mingo, WV  
Berton P. Whitlock, Churchville, VA  
Bettie Grace Cofield, et al, Weldon, NC  
Betty Ray, Cascade, MD  
Bill Price, WV Environmental Council, Charleston, WV  
Billie Coleman, Massie Mill Ruritan Club, Roseland, VA  
Blue Rock Resources, LLC, Dillwyn, VA  
Bobby B and Loretta G Whitson, Churchville, VA

Bonnie Lynn S. Allen & Sherrill Lee Allen, Four Oaks, NC  
Bradley Davis, Roanoke Rivers Partners, Windsor, NC  
Brandon Steele, Oval Construction Management, Charleston, WV  
Breckenridge Corporation, Buckhannon, WV  
Brenda B. Daughtrey Et Al, Franklin, VA  
Brenda Draper Byrum, Margarettsville, NC  
Brenda Reges Shaw, et al, Red Oak, NC  
Brent Harris, FSI, Bridgeport, WV  
Brent Harris, Fire & Safety Investigation Consulting Service, LLC, Bridgeport, WV  
Brent Lubbock, Roanoke Rivers Partners, Windsor, NC  
Brian Janis, Hydrocarbon Well Services, Buckhannon, WV  
Brian Robey, Robey Excavatin, LLC., Lumberport, WV  
Bridge Run Development Company, West Union, WV  
Brown's Realty Partnership C/O Murphy Brown, LLC, Warsaw, NC  
Bruce Williams, A. Bruce Williams & Assoc, Norfolk, VA  
Brunswick County, Virginia, Lawrenceville, VA  
Buie Rod & Gun, Inc., Pembroke, NC  
Burkeville Land & Timber Co., LLC, Burkeville, VA  
C. Lynn Lawson And Randall T. Purdue, PLLC, Waynesboro, VA  
Carl B. & Nancy J. Langdon, Four Oaks, NC  
Carl W. Blackwood, Jr. and Clara Blackwood, Farmville, NC  
Carla Meixner, Shenandoah Valley Kiwanis Club, Staunton, VA  
Carol Jones Shields, Roanoke Rivers Partners, Windsor, NC  
Carolina Coastal Railway, Inc., Wilson, NC  
Catherine Bell, Garysburg, NC  
Cathy St. Clair, Focus Communications Consulting, LLC, Oakwood, VA  
Chad Rhodes, Smith Paving, Grottoes, VA  
Chaneta P. Ervin, Brookfield, OH  
Charles D. Cole, II, Jane Lew, WV  
Charles L and Karen K Fridley, Churchville, VA  
Charles R Clayburne, Deerfield, VA  
Charles R. Stone Revocable Trust, Amelia, VA  
Charles Reeves And Ruth Richardson Clayburne, Deerfield, VA  
Charles S Hunter III C/O Timberlake Smith Attn: Attorney John W. Sills, III, Staunton, VA  
Charlie Brown Farms LLC Attn: Missi Sadler, Emporia, VA  
CHERYL DOWNEY, L. A. DOWNEY & SON, INC., Durham, NC  
Chris Hamilton, WV Business & Industry Council, Charleston, WV  
Chris Mickley, Rock Stone Production, Harrisonburg, VA  
Chris Miller, Piedmont Environmental Council, Warrenton, VA  
Christopher Beal, et al, Rocky Mount, NC  
Christopher L. and Barbara S. Glover, Margarettsville, NC  
Cindy Kern, Lumberton Chamber of Commerce, Lumberton, NC  
Cindy Hooke, Gretna, VA  
City of Chesapeake, Chesapeake, VA  
City of Portsmouth, Virginia Beach, VA  
City of Suffolk, Suffolk, VA

Clara Frances Neil, McDowell, VA  
Clarence W. Mutschelknaus, And Mary F. Mutschelknaus And Clarence W. Mutschelknaus, Jr.,  
Salem, WV  
CLCH, LLC, Newton Grove, NC  
Clementine S. Ruffin, Ophelia, VA  
Clover Lane Farms, LLC, Marlinton, WV  
Coastal Forest Resources Company, Buckhannon, WV  
Coastal Forest Resources Company dba Coastal Timberlands Company, Weldon, NC  
Coastal Plains Company, LLC, Proctorville, NC  
Cogdell Farms, LLC, Fayetteville, NC  
Colin Reger, Monco Constructors, Buckhannon, WV  
Commonwealth of Virginia, Board of Game and Inland Fisheries, Attn: Land Coordinator,  
Henrico, VA  
Corky DeMarco, WV Oil & Natural Gas Association, Charleston, WV  
County of Johnston, Smithfield, NC  
Craig Liebig, Bridgeport Lions Club, Bridgeport, WV  
Crawford Mackethan, Self, Fayetteville, NC  
Curtis Allen May and Cynthia Tippet May, Red Oak, NC  
Daisy Lindsey, et al, Godwin, NC  
Dan Holmes, Piedmont Environmental Council, Warrenton, VA  
Dana Cochran, Dunn Area Chamber of Commerce, Dunn, NC  
Danhaven Farms, LLC, Selma, NC  
Daniel And Jeanne Castellini, Dunmore, WV  
Daniel Cranston, DHC Piping & Fabrication, Buena Vista , VA  
Daniel L Rutherford, Trustee, Rutherford Land Trust C/O Rutherford Law Group, Lovingson,  
VA  
Darla Rose, Greene Chamber of Commerce, Ruckersville, VA  
David Christopher, Snowshoe, WV  
David F. Cook and Misty D. Cook, Foster, WV  
David H. Prince, Skippers, VA  
David Michael Revels, Pembroke, NC  
David Prince, Skippers, VA  
David R. Ricks, Jr. & Mary L. Ricks c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
Williamsburg, VA  
David Ricky, Jr. & Tracey E. Godwin, Selma, NC  
David Ridenour, J.T. Martin Fire & Safety, Clarksburg, WV  
David Sligh, Wild Virginia, Charlottesville, VA  
David Tillar, Bruce Howard Contracting, Inc., Providence Forge, VA  
Dayton Hudson Corporation, Minneapolis, MN  
Debora Rolf Godfrey, Youngsville, NC  
Debra G. Law Timber Trust, Buckhannon, WV  
Delton Bullard, Pembroke, NC  
Denise A. Straight, Buckhannon, WV  
Dennis L Bradley Sr, Stuarts Draft, VA  
Dennis M. Wilkins, Pembroke, NC  
Desire Wilson, Beanders Restaurant & Catering, Elkins, WV

Doc Berry II & Cornelia G. Oliver, Pine Level, NC  
Don L Mayle, Salem, WV  
Donald Griffin, Durant, MS  
Donna J. Tutor, Erwin, NC  
Donnie Tackett, Buckhannon, WV  
Doris G. McCray, Columbia, MD  
Doris Naylor Starling, Wade, NC  
Dorothy Podolinsky, Waynesburg Lions Club, Waynesburg, PA  
Doug Blizzard, Smithfield Kiwanis Club, Smithfield, NC  
Doug Morgan, Sunnyside Supply, Inc., Slovan, PA  
Douglas C. Rogers, Brookneal, VA  
Dwayne Waters, Miller Pipeline, Stanardsville, VA  
Dwight A. Harper, Sr. and Ellen Marie P. Harper, Nashville, NC  
Dyfierd A. Harris, Air Probe UAV, Fayetteville, NC  
E & K Properties, A Limited Partnership, Elkins, WV  
Ed Daniels, Mill Creek, WV  
Elise Keaton, Greenbrier River Watershed Association, Lewisburg, VA  
Elna Faye Lee, Dunn, NC  
Emmett R. & Sharon S. Cobb c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
Williamsburg, VA  
Environmental Banc & Exchange, LLC, Yanceyville, NC  
Equity Trust Company, Brookneal, VA  
Eric Lindberg, Slaty Fork, WV  
Eric M Vincent, Greater New Martinsville Development Corporation, New Martinsville, WV  
Estate of Mary Jane Hoffman, Deceased, Nellysford, VA  
Estate of Myrtie J Coates, Kenly, NC  
Eva Lindsey McGuire, Godwin, NC  
Fellows Living Trust, Batesville, VA  
Florence King Lane, Waverly, VA  
Fork Farm, LLC, Battleboro, NC  
Four Oaks Bank, Four Oaks Bank, Four Oaks Bank, NC  
Frances C. Eubank & Joan DeCosmo c/o Kaufman & Canoles, PC, Attn: William L. Holt,  
Williamsburg, VA  
Francisco J. Figueroa, Sr. And Edna C. Rolenson-Figueroa, Buckhannon, WV  
Franklin R. Tenney And Betty Jo Tenney, Masontown, WV  
Fred L. Riggleman & George M. Riggleman, Beverly, WV  
Fred Smith, E&M Contracting, Inc., Rocky Mount, NC  
Fred Stephens, Mathon, Augusta Spring, VA  
Frederick A Whitelaw, Monterey, VA  
Free Gospel Church Inc, Export, PA  
Fuller Farms of VA Inc, Newsoms, VA  
Galen H. Campbell, St. Johns, New Foundland, Canada  
Garmon Place, LLC, Fayetteville, NC  
Gary C Coffman, Tye, TX  
Gary L. Rhodes, Reynolds Community College, Richmond, VA  
Gary Whitlock, Texian Group, Inc, Houston, TX

Gayden Parker, Gayden Parker, CPL, LLC, Middleburg, VA  
Gene Douglas Harvey, Et al, Lovingston, VA  
George Bell, Snowshoe, WV  
George D. Regan, Jr., St. Pauls, NC  
George G. Whitaker, Rocky Mount, NC  
George Thomas Drake, Jr., Newsoms, VA  
Gerald D. Olsen, Godwin Lions Club, Godwin, NC  
Geraldine Pittman Clark, Garysburg, NC  
Ginger Caskey, J. R. Caskey, Inc, Oilville, VA  
Glenn Foley, Gregory Poole Equipment Company, Raleigh, NC  
Glenn R. Moore and Donald Moore, Skippers, VA  
Glover Farms of Carolina, LLC, Pleasant Hill, NC  
Grant Reeves, Snowshoe, WV  
Greg Smith, Glenville, WV  
Gregory S. Hadjis, J.F. Allen Company/Alcon Trucking Company, Buckhannon, WV  
Gwendolyn McMillan, Godwin, NC  
Halifax Regional Airport Authority a/k/a Halifax-Northampton Regional Airport Authority,  
Halifax, NC  
Hannah Owens, C2it, Inc., Red Oak, NC  
Harold G. Dykes, Ringgold, VA  
Harold Jones, Surry Chamber of Commerce, Surry, VA  
Harold R and Susan N Belsky, Stuarts Draft, VA  
Harry W. And Linda S. Beam C/O Marshall Ellett, Esq., Farmville, VA  
Heirs of the Estate of Almyra Pittman C/O Cary Pittman, III, Garysburg, NC  
Helen Foster, Shipman, VA  
Herb Kwasniewski, J.C. Lumber Company, Elkins, WV  
Hestel M and Judith T Lowery, Et al, Lyndhurst, VA  
High Point Construction Group, LLC, Buckhannon, WV  
Highway 39 #6217 Limited Partnership, Selma, NC  
Howard B Rickman, Lyndhurst, VA  
Howard Weeks, Spring Hope, NC  
HPL Management Co., LLC, Durham, NC  
Ian Martin, Specialty Groups, Inc., Bridgeport, WV  
Imagination Springs, LLC, Slatyfork, WV  
Industrial Development Authority of Southampton County, Courtland, VA  
Ira Maupin, Snowshoe, WV  
J Robert Snoddy, III and Melanie D. Snoddy, Buckingham, VA  
J. Brian Carroll, Isle of Wight Volunteer Rescue Squad, Smithfield, VA  
J. Robert Samples, Salem, WV  
Jack & Sheila Diceglie, Leesburg, FL  
Jacob L Dickens Jr, Roanoke Rapids, NC  
Jacob Meck, Allegheny Disposal, LLC., Green Bank, WV  
Jacquie Staud, Energy Transportation, LLC, Bridgeport, WV  
James A. Cannella, Skippers, VA  
James Alton Starling, Jr. & Faye Creech Starling, Pine Level, NC  
James Baker, Fayetteville, NC

James D. Hager, Jane Lew, WV  
James E. Moran, ROC Inc., Grafton, WV  
James E. Pfeiffer, Trustee Charner R Lifsey Trust, Emporia, VA  
James Ghee, Attorney, Farmville, VA  
James Gum, Lewis Upshur LEPC, Buckhannon, WV  
James L Mayle , Eleanor, WV  
James L. Blanks, Dillwyn, VA  
James L. Saunders, Jr., Roanoke Rapids, NC  
James Lee, Atlantic, VA  
James Sturges, Williams Forestry & Associates, LLC, Millville, PA  
James W Narron Revocable Trust, Smithfield, NC  
James W. Narron Revocable Trust, Smithfield, NC  
James W. Riffle II, Buckhannon, WV  
James W. Wallace, Elkins, WV  
Jamie Hawley, VDN - Nottoway, Nottoway, VA  
Jane G Kincaid, Monterey, VA  
Janet A. Goins, Clear Fork, WV  
Janet Liles Gowan, Trustee of William Liles Family Trust, Raleigh, NC  
Janet Lynn Cutright, Jane Lew, WV  
Jason R. Kolesar and Mary S. Kolesar, Red Oak, NC  
Jeff Corbin, Restoration Systems LLC, Richmond, VA  
Jeff Goodman, Elkins, WV  
Jeff Isner, Pillar Energy, LLC, Charleston, WV  
Jeffrey P. Griffith And Anessa E. Griffith, Jane Lew, WV  
Jeffrey Ray Hyre And Kellie Ann Woody-Hyre, Buckhannon, WV  
Jennifer B. Britt, Atlantic Beach, NC  
Jerome A. Wilson, III, et al, Blackstone, VA  
Jerri Reed, Hannah Engineering, Elkins, WV  
Jerry A Bradley, Lovingston, VA  
Jerry Harold Harvey, Jr. And Gerlene Harvey, Oceana, WV  
Jerry Lane, Garysburg, NC  
Jerry Pingley, Jacksonburg, WV  
Jerry W. and Hazel J. Moody, Seaboard, NC  
Jesse Gabriel Lee, Dunn, NC  
Jessie Anna Lee Walker, Life Estate, et al, Leesburg, VA  
Jim Butcher, Select Excavating Services, Jane Lew, WV  
Jim Hasbrouck, Blackstone Chamber of Commerce, Blackstone, VA  
Jimmy Franklin Garner, Pine Level, NC  
Jimmy Hurt, Farmville-Prince Edward Historical Society, Farmville, VA  
Jo Anne D. Kelly C/O Beale Carter of Dwyer Law Firm, Boykins, VA  
Joan H Quillen, Lyndhurst, VA  
Joe Bennett, Fire & Safety Investigation Consulting Service, LLC, Bridgeport, WV  
Joel M. Boseman, Battleboro, NC  
John A & Alice M Henderson, Cascade, MD  
John Carl Allen, Jr., Benson, NC  
John DeVaul, Bear Contracting, LLC., Bridgeport, WV

John Ellis Blalock, Warrenton, NC  
John Hitch Et Al, Norfolk, VA  
John Mack and Jennifer Bates, Jacksonburg, WV  
John Phillips, Worldwide Equipment, Jane Lew, WV  
John Pingley, Jacksonburg, WV  
John Seegars, Seegars Fence Company, Inc of Raleigh, Raleigh, NC  
John W. Smith, Durbin & Greenbrier Valley Railroad, Inc., Durbin, WV  
John Williams, WTS, Lyndhurst, VA  
Johnnie Bullard aka Johnny Emerson Bullard, Pembroke, NC  
Johnnie Lynn Robertson, et al, Four Oaks, NC  
Jonell Gay Little, et al, Severn, NC  
Joseph M. II & Tana D. Wyatt, Jacksonburg, WV  
Josephine Jacobs, Pembroke, NC  
Josh , Whitey's Supply, Buckhannon, WV  
Joshua M. Wyckoff And Rachel D. Wyckoff, Jane Lew, WV  
Joy Philippe, Virginia Pork Council, Waverly, VA  
Joyce A. McCall, Elizabethtown, NC  
Joyce B. Suiter, Halifax, NC  
Juanita W. Gissentaner, Et al, Fallsburg, NY  
Julie Laverne Saunders Langston, et al, Los Angeles, CA  
K. M. Biggs, Inc., Lumberton, NC  
Karen G. Friel, Slatyfork, WV  
Karen Jean Davis, Fayetteville, NC  
Karen Vanover, Snowshoe, WV  
Katherine Ellington Spencer, Monroe, LA  
Kathy Bradford, Pineville Paving & Excavating, Pineville, WV  
Keith Hill, Repair Tech Industrial Contractors, Franklin, VA  
Ken Randolph, Friends of the Blue Ridge Parkway, Roanoke, VA  
Kenneth , Beverly, WV  
Kenneth F. McDonald, Fayetteville, NC  
Kenneth Varner, Varner Construction, Durbin, Wv  
Kerry Jean & Gerry Locklear, Pembroke, NC  
Kevin Metz, Hydrocarbon Well Services, Buckhannon, WV  
Keystone Forest Investments, LLC C/O Forest Investment Assoc LP, Smethport, PA  
Kim Guiden, Slaty Fork, WV  
Kim Posey, Energy Transportation, LLC, Bridgeport, WV  
Lambert GS Trust c/o Randall B. Pridgen, Rocky Mount, NC  
Lampe Reserves, Inc., Smithfield, NC  
Larry D. Law, West Union, WV  
Larry R. Davis, Fairbanks, AK  
Laura Autry Holmes, Wade, NC  
Leopia, Sr. and Patricia McDaniel, Enfield, NC  
Lewis Airstrip, LLC, Buckhannon, WV  
Lillian Woodley, Branchville, VA  
Linda Lafontaine, Scottsville Chamber of Commerce, Scottsville, VA  
Lois Adelle Stockton, Avon, MT

Louise W. Story Life Estate c/o Kaufman & Canoles, PC, Attn: William L. Holt, Williamsburg,  
VA  
Lula D. Johnson, Whitakers, NC  
Lydle M Martyn, Jacksonburg, WV  
Lynda Darden Hall, et al, Winston-Salem, NC  
Lynn E. Harris And Armilda J. Harris, Buckhannon, WV  
M & B Lee, LLC, Smithfield, NC  
M H Coburn Estate C/O Kennon C Walden Jr Trustee, Blackstone, VA  
Mable W. Moore Life Estate Et Al, Skippers, VA  
Mackie Christenson, Lumberport-Shinnston Gas Company, Lumberport, WV  
Madge D. Dalton, Newport News, VA  
Malcolm Tunstall Harvey, Verona, VA  
Malinda Meck, The Outhouse, LLC., Green Bank, WV  
Margaret May Revocable Inter Vivos Trust, George Winston May and Linda Aiken May,  
Trustees, Rougemont, NC  
Mark J. Carroll, Buckhannon, WV  
Mark Urso, Bear Contracting, LLC., Bridgeport, WV  
Marrin Tensley, Amherst, VA  
Marson Coal Company, Inc., Elkins, WV  
Martha Hunt, Lumberton, NC  
Martin Marietta Materials, Inc., Fort Wayne, IN  
Mary B. Locklear, Pembroke, NC  
Mary Ellen Benincasa, Sistersville Lions Club, Sistersville, WV  
Mary Helen And C Scott Winfield III, Stuarts Draft, VA  
Mary Lee Wallace, Blackstone, VA  
Mary P. Futrell, Branchville, VA  
Matthew J. Strickler, VA Secretary of Natural Resources, Richmond, VA  
Maureen Elizabeth Shaw Smith, Rice, VA  
Meg, LLC, Staunton, VA  
RP Watson, III, Meherrin Agricultural & Chemical Co. and Red Apple Markets, Inc., Severn,  
NC  
Melba Smith Forte a/k/a Melba Deloris Smith, Godwin, NC  
Melvin Langston, Carrollton, TX  
Meredith Baker Showalter, Lyndhurst, VA  
Merleon G. Creech, et al, Pine Level, NC  
Michael Farmer and Joann Farmer, Crewe, VA  
Michael W. Carroll and Robert E. Carroll, Jr., Ebony, VA  
Mike Hill, IBEW Local 495, Hampstead, NC  
Mike McGaha, Teamsters Local 291, Greensboro, NC  
Mike Ross, Coalton, WV  
Mike Ross Inc, Coalton, WV  
Milton Pierce, Rotary Club of Culpepper, Culpeper, VA  
Minnie R. and Charlie Bell, Jr., Whitakers, NC  
Misty Boos, Wild Virginia, Charlottesville, VA  
Mitchell O. Carr Irrevocable Trust, Staunton, VA  
MMB Farms, LLC, Proctorville, NC



Morgan C. Meadows, Executor of the Estate of Eugene M. Philbeck, deceased, Farmville, VA  
Morris H. Glover Sr., and Frances A. Glover, Suffolk, VA  
Mountain V LLC, Bridgeport, WV  
Mt. Zion Baptist Church C/O Johnnie Lassiter, Seaboard, NC  
Muneer Elahi, New London, CT  
Murphy Brown, LLC, Warsaw, NC  
Murphy Grigg Enterprises, LLC, Emporia, VA  
Myles Lumber Co, Elkins, WV  
Myrna L Deese, Pembroke, NC  
Nanette L. Coates, et al, Kenly, NC  
Natalie W. Cogsdale, Life Estate, Newsoms, VA  
Nell Carpenter, Warm Springs, VA  
Nelson A Bean & Frances Irene Bean, Jane Lew, WV  
Nelson A. Bean, Jr., Jane Lew, WV  
Nina Ventrelli, Snowshoe, WV  
Norman H. Taylor, III, Crewe, VA  
Norris Mark Friend and Mary Katherine Friend, And David A. Friend, Buckhannon, WV  
North Carolina Department of Transportation, Fayetteville, NC  
North Fork, Inc., Goshen, VA  
Otis T. Murphy, Jr., et al, Godwin, NC  
Paige Nelson Davis And Wanda C. Davis, Nellysford, VA  
Pam Nutter, Huttonsville, WV  
Patricia E. Mcguire, Franklin, VA  
Patrick Wuse, Beverly, WV  
Paula Sadler, Greensville/Emporia DSS, Emporia, VA`  
Perry D. Linza, Chesapeake, VA  
Perry McMillion Custom Homes, LLC, Chesapeake, VA  
Perry Pingley, Jacksonburg, WV  
Phil Addison, Lillington Chamber of Commerce, Lillington, NC  
Philip E Doyle Jr, Lyndhurst, VA  
Phyllis Akers, Hannah Engineering, Elkins, WV  
Phyllis K. McWhorter, Doylestown, OH  
Phyllis Starrett, Churchville, VA  
Pickens Holdings, LLC, A West Virginia Limited Liability Company, Bridgeport, WV  
Pinnacle Heating and Air Conditioning, INC, Nashville, NC  
Pivotal Propane of Virginia, Inc, Atlanta, GA  
Pleasant View Farm, Farmville, VA  
Promise Long, Emporia, VA  
Quentin Gregory, III, Halifax, NC  
Quinn C. Robinson, Dillwyn, VA  
R. Clinton Clary, Jr., Lawrenceville, VA  
R.P. Wellons Land and Development, LLC. A North Carolina Limited Liability Company,  
Dunn, NC  
Ralph W. Beckwith And Glenda Beckwith, Slatyfork, WV  
Randall K. Ignace And Patricia A. Ignace, Dillonvale, OH  
Randy Jones, Pine Level Lions Club, Pine Level, NC

Raymond B. Wyche II Et Al, Freeman, VA  
Raymond Cherry with Megale Cherry Banks, Power of Attorney, Enfield, NC  
Raymond E. Drake, Newsoms, VA  
Raymond Grose, Buckhannon, WV  
RDG Real Estate, LLC, Rocky Mount, NC  
Rebecca D. Smith Tr, Harvinger, NC  
Reginald T. Upson, Jr., and Sandra Felton Upson, Drewryville, VA  
Rex Phares, Erosion Technology Services, LLC, Elkins, WV  
Rhett Owens, Repair Tech Industrial Contractors, Franklin, VA  
Richard Domas And Kristen Domas, Bridgeport, WV  
Richard E. Pearson, Emporia, VA  
Richard O'Donnell, Beckley Drilling & Blasting Services, Inc, Beaver, WV  
Richard P. Domas, Jr, Bridgeport, WV  
Richard S. Hannah And Dinah D. Hannah, Jane Lew, WV  
Ricky Campbell, Campbell Co., Stuarts Draft, VA  
Rita McKenzie, Wintergreen Valley Association, Nellysford, VA  
Robert Brown, Dailey, WV  
Robert Elsie Carter, Jr. and wife, Betty Carter, Lumberton, NC  
Robert O Oakes Jr And Sophia F Sharp, Nagshead, NC  
Roberts & Wellons Inc., Smithfield, NC  
Robertson & Gibbon Co., LLC, Sims, NC  
Rodney A. Martyn and Michelle R. Martyn, Jacksonburg, WV  
Roger Bullard, Pembroke, NC  
Ronald C. Smith, Buckhannon, WV  
Ronald L. Outlaw, New York, NY  
Ronald Lane Inc, Clarksburg, WV  
Rosa D. Woods and James H. Woods, et al, Pembroke, NC  
Rossco, LLC, A West Virginia Limited Liability Company, Coalton, WV  
Rossie Keith Barefoot, Benson, NC  
Rupert E. Tatum, Jr. & Eleanor W. Tatum, Lake Waccamaw, NC  
Russell C Dove Jr, Des Moines, IA  
Russell E. and Deborah S. Holland, Powhatan, VA  
Russell G. Holt, Slatyfork, WV  
Ruth Seldon-Sturgill, Warm Springs, VA  
Rutherford Land Trust, Lovingston, VA  
RUW, LLC, Slatyfork, WV  
Ryan Hauser, J.F. Allen Company, Buckhannon, WV  
Sam Minardi, Utilities, Telecommunications, and Energy Coalition of WV, Charleston, WV  
Sammy and Christina Henman, Franklin, VA  
Sammy Olin & Christina L Tart, et al, Dunn, NC  
Samuel Grey Griffin and Sandra W. Griffin, Freeman, VA  
Sanderson Farms, Inc., Laurel, MS  
Sandra Hachem, New Martinsville Lions Club, New Martinsville, WV  
Sandra Moss, Buckingham Chamber of Commerce, Dillwyn, VA  
Sandy Burky, Hannah Engineering, Elkins, WV  
Sandy Rodgers, Dry Fork, WV

Sarah H. Poole, Gordonsville, VA  
Scott Dorney, North Carolina Military Business Center, Fayetteville, NC  
Scott Lambert, Micrologic, Buckhannon, WV  
Scott Timberland Co, Attn: Amelia Lumber Co, Amelia, VA  
Shelby Blackmon, Angier Chamber of Commerce, Angier, NC  
Shelley H. Futrell & Harold Preston Futrell Jr., Branchville, VA  
Shenandoah Forest, LLC, Staunton, VA  
Sherry K. Hughes & Edward E. Hughes, Fayetteville, NC  
Shirley B. Marshall Et Al, Midlothian, VA  
Shirley Jean Grimm, William Scott Grimm, Pine Mountain, GA  
Simmie Jr. Bullard, et al, Pembroke, NC  
Smithfield Carroll's Farms, et al, Warsaw, NC  
Solitude, LLC, Glen Allen, VA  
Sondra Bailey, Pembroke, NC  
Southampton County Attn Michael W Johnson, Courtland, VA  
Southern Company Gas, AGL Resources, Atlanta, GA  
Stephen A Straight & Denise A Straight, Buckhannon, WV  
Stephen H. Fox, Specialty Groups, Inc., Bridgeport, WV  
Stephen Owen, Staunton Rotary Club, Staunton, VA  
Steve Edson, Rotary Club of Greensburg, Greensburg, PA  
Steven Meadows, Mill Creek, WV  
Steven T Elliott, Troy, VA  
Stonewall Farm Properties, LLC, Seaboard, NC  
Stonewall Timberlands, LLC c/o CT Corporation System, Exeter, NH  
Strickler, LLC, Lawrenceville, VA  
Sunrise Investors, Inc C/O Sam Argenbright, Stuarts Draft, VA  
Susan B. Smith Bissette, Asheville, NC  
Susan H. Duke, Franklin, VA  
Susan Sachs, Roanoke Rivers Partners, Windsor, NC  
Susanna W. Carter and Michael R. Walker, Natural Bridge Station, VA  
Suzanne Stewart, Durbin Lions Club, Green Bank, WV  
SWCI Investments, LLC, Blackstone, VA  
T & T Estates, Inc., Buckhannon, WV  
T. B. Tucker, Keysville, VA  
Tall Trees & Land, LLC, Slatyfork, WV  
Tara R. Dixon, Deptford, NJ  
Tart & Tart, Inc., Dunn, NC  
Teddy Randall Lamm and Willis Teen-Glover Lamm, Sims, NC  
Tempe Ann Lampe and Donald L. Ivey, et al, Smithfield, NC  
Teresa Beale, Franklin-Southampton Area Chamber of Commerce, Franklin, VA  
Teresa Creech Arthur, Pine Level, NC  
Terri Atkins Wilson, Farmville, VA  
Terry L. Griffiths and Deborah H. Griffiths, Red Oak, NC  
Terry Lee, Atlantic, VA  
The Lampe Reserves, Inc., Smithfield, NC  
The Philip E. Wine Dds Management Trust, Marshall, VA

Thomas E & Shelia D Wyatt, Jacksonburg, WV  
Thomas E., II & April Maynor, Pembroke, NC  
Thomas J. Marion, El., Thrasher, Bridgeport, WV  
Thomas Lee Garner, Pine Level, NC  
Tim Shaw, High Point Construction, Buckhannon, WV  
Timothy Everette Bissette, Wilson, NC  
Timothy V. Stevens, Smithfield, NC  
Todd A. Martin and Donna H. Martin C/O Hawthorne & Hawthorne, PC ATTN: Derrick P.  
Fellows, Victoria, VA  
Tommy Richards, Buckhannon, WV  
Tony Swift, International Brotherhood of Electrical Workers Local Union 553, Research  
Triangle Park, NC  
Town of Amherst, Amherst, VA  
Town of Sims, Sims, NC  
Tracy Eppard, Charlottesville, VA  
Trey Hornor, Hornor Brothers Engineers, Clarksburg, WV  
Troy Arden Brady, III, Buckhannon, WV  
Trustees of The First Liberty Baptist Church, Dillwyn, VA  
United States of America, Elkins, WV  
Unknown Heirs of Mildred Ballew, Et al, Shipman, VA  
V. Hunter Boone and wife, Judy M. Boone, et al, Rocky Mount, NC  
Vaughan & Vaughan LLC, Chesapeake, VA  
Viola Pittman Boone, Garysburg, NC  
Virginia Electric and Power Company, Richmond, VA  
Virginia Electric and Power Company, Richmond, VA  
W R L Cobb, IV, Tappahannock, VA  
Waco Oil & Gas Co., Inc, Glenville, WV  
Wallace Robert Simmons, Jr., Chesterfield, VA  
Walter Bullard; ID # 000261615, Marietta, GA  
Walter Marvin Winstead, Jr., Spring Hope, NC  
Waqua Creek, LLC, Richmond, VA  
Waynesboro Nurseries, Inc., Waynesboro, VA  
Weeks Farms, Inc., Dunn, NC  
West Fraser, Inc., Seaboard, NC  
West Virginia State Rail Authority, Moorefield, WV  
Westhampton Estates, LLC, Nashville, NC  
White Swan BBQ, Four Oaks, NC  
Whitey , Whitey's Supply, Buckhannon, WV  
Will Harlan, Harlan Construction Company, Inc, Hopewell, VA  
William A and Patricia A Pond, Nellysford, VA  
William A. & Georgie R. Hudson, Blackstone, VA  
William A. III and Sally J. Pierce, Weldon, NC  
William Bexley Boykin, Sims, NC  
William Darden Kelly, Remainderman, Bay Head, NJ  
William Frank Lee Life Estate, Smithfield, NC  
William H. Brown, Snowshoe, WV

William H. Taylor, Jr. and Brenda S. Taylor, Red Oak, NC  
William L. Wollett, Jr. and wife, Susan Davis Wollett, et al, Red Oak, NC  
William O. Lowry, Millboro, VA  
William R. Deans, Jr., et al, Linville, NC  
William Scott Grimm, Pine Mountain, GA  
Willis Parker Est c/o Gloria B. Johnson, Suffolk, VA  
Wilson Trucking Corporation, Fishersville, VA  
Wilton Fields, Alberta, VA  
Wintergreen Country Store Land Trust, Nellysford, VA  
Wintergreen Homestead LLC, Marshall, VA  
Wm Wesley Land Investments, LLC, Falcon, NC  
Woody Forest Products LLC, Slatyfork, WV  
WV DNR, Farmington, WV  
Zenobia Fontaine Cofield, Weldon, NC  
Zilphia P Adams LLC, Garner, NC  
Blue Ridge Life Magazine, Wintergreen, VA  
Chesapeake Alliance, Chesapeake, VA  
Suffolk Nansemond Historical Society, Suffolk, VA  
Float Fishermen of Virginia, Roanoke, VA  
Cowpasture River Preservation Association, Millboro, VA  
Lewisburg Rotary Club, Lewisburg, WV  
Rotary Club of Fairmont, WV, Fairmont, WV  
Benson Lions Club, Benson, NC  
Rotary Club of Tarboro, Tarboro, NC  
Rotary Club of Tarboro, Tarboro, NC  
Roanoke Rivers Partners, Windsor, NC  
William G. Porter, Virginia Beach, VA  
Lewis Freeman, Allegheny-Blue Ridge Alliance, Monterey, VA  
Douglas Wellman, Friends of Nelson, Nellysford, VA  
Carolyn Elefant, Law Offices of Carolyn Elefant, Washington , DC  
Mary Strickler, Robinson Farms, LLC, Manakin Sabot, VA  
Steve Broderick, Staunton, VA  
Rebecca Rhames, Hazel Rhames Trust, Washington, DC  
Clarence K. and Morris C. Staton, Suffolk, VA  
Delmas M. Woody, Buckhannon, WV  
Stephen C. Clements, Pleasant Hill, NC  
Justin Thomas Harercno, Garysburg, NC  
Newton R. Stephenson, Garysburg, NC  
William M. Stephenson, Garysburg, NC  
H. Barnham Stephenson, Garysburg, NC  
Joshua Clements, Pleasant Hill, NC  
Virginia Mae Clements, Garysburg, NC  
William A. Pierce III, Weldon, NC

## **APPENDIX B**

### WORKSCOPE TABLE FOR THE ACP RESTORATION PROJECT

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
01-006	North	WV	Harrison	AP-1 - 0	-	-	-	-	-	-	3.81	-
01-008	North	WV	Harrison	AP-1 - 0.3	-	-	-	-	-	-	1.03	-
01-009	North	WV	Harrison	AP-1 - 0.7	-	-	-	-	-	-	4.12	-
01-010	North	WV	Harrison	AP-1 - 0.6	-	-	-	-	-	-	1.68	-
01-011	North	WV	Harrison	AP-1 - 0.7	-	-	-	-	-	-	1.27	-
01-012	North	WV	Harrison	AP-1 - 0.7	-	-	-	-	-	-	1.13	-
01-013	North	WV	Harrison	AP-1 - 0.9	-	-	-	-	-	-	2.86	-
01-014.AR	North	WV	Harrison	OFFLINE	-	-	-	-	-	-	-	-
01-015	North	WV	Harrison	AP-1 - 1	-	-	-	-	-	-	0.56	-
01-016	North	WV	Harrison	AP-1 - 1.1	-	-	-	-	-	-	0.47	-
01-017	North	WV	Harrison	AP-1 - 1.1	-	-	-	-	-	-	3.29	-
01-019	North	WV	Harrison	AP-1 - 3	-	-	-	-	X	-	4.57	-
01-020	North	WV	Harrison	AP-1 - 5.9	-	0.20	-	-	-	-	-	-
01-021	North	WV	Harrison	AP-1 - 8.4	-	-	-	-	-	-	0.05	-
01-022	North	WV	Harrison	AP-1 - 8.6	-	-	-	-	X	-	2.49	-
02-001	North	WV	Lewis	AP-1 - 1.3	-	-	-	-	-	-	9.28	-
02-004	North	WV	Lewis	AP-1 - 2	-	1.19	-	-	-	-	0.01	-
02-004.1	North	WV	Lewis	AP-1 - 2	-	4.46	-	-	-	-	-	-
02-005	North	WV	Lewis	AP-1 - 1.9	-	2.77	-	-	-	-	0.11	-
02-006	North	WV	Lewis	OFFLINE	-	0.02	-	-	-	-	-	-
02-007	North	WV	Lewis	AP-1 - 2.3	-	0.44	-	-	-	-	0.69	-
02-007.1.AR	North	WV	Lewis	AP-1 - 2.3	-	-	-	-	-	-	-	-
02-009	North	WV	Lewis	AP-1 - 2.4	-	-	-	-	X	-	2.28	-
02-011	North	WV	Lewis	AP-1 - 2.7	-	-	-	-	X	-	2.28	-
02-012	North	WV	Lewis	AP-1 - 2.6	-	-	-	-	X	-	1.83	-
02-013	North	WV	Lewis	AP-1 - 2.8	-	-	-	-	X	-	1.91	-
02-014	North	WV	Lewis	AP-1 - 3	-	-	-	-	X	-	2.18	-
02-015	North	WV	Lewis	AP-1 - 3.6	-	-	-	-	X	-	9.56	-
02-016	North	WV	Lewis	AP-1 - 4	-	-	-	-	-	-	0.70	-
02-017	North	WV	Lewis	AP-1 - 4.1	-	-	-	-	-	-	5.83	-
02-018	North	WV	Lewis	AP-1 - 4.4	-	-	-	-	-	-	2.05	-
02-019	North	WV	Lewis	AP-1 - 4.6	-	-	-	-	-	-	6.13	-
02-020	North	WV	Lewis	AP-1 - 4.9	-	-	-	-	-	-	4.79	-
02-021	North	WV	Lewis	AP-1 - 5.2	-	-	-	-	-	-	5.45	-
02-022	North	WV	Lewis	AP-1 - 5.6	-	-	-	-	-	-	3.32	-
02-023	North	WV	Lewis	AP-1 - 6.2	-	3.25	-	-	-	-	1.80	-
02-024	North	WV	Lewis	AP-1 - 6.4	-	0.91	-	-	X	-	0.24	-
02-025	North	WV	Lewis	OFFLINE	-	0.11	-	-	-	-	0.06	-
02-026	North	WV	Lewis	AP-1 - 6.4	-	-	-	-	X	-	4.39	-
02-027	North	WV	Lewis	AP-1 - 6.6	-	-	-	-	X	-	2.63	-
02-028	North	WV	Lewis	AP-1 - 6.8	-	-	-	-	X	-	19.54	-
02-031.AR1	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	-	-
02-036	North	WV	Lewis	AP-1 - 7.8	-	0.60	-	-	-	-	4.30	-
02-037	North	WV	Lewis	AP-1 - 8	-	2.09	-	-	-	-	-	-
02-039	North	WV	Lewis	AP-1 - 8.1	-	0.28	-	-	X	-	8.71	-
02-041	North	WV	Lewis	AP-1 - 8.3	-	-	-	-	X	-	1.72	-
02-042	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	0.16	-
02-043.AR	North	WV	Lewis	AP-1 - 8.4	-	-	-	-	-	-	-	-
02-044	North	WV	Lewis	AP-1 - 8.4	-	-	-	-	X	-	2.39	-
02-045	North	WV	Lewis	AP-1 - 8.8	-	-	-	-	X	-	1.17	-
02-046	North	WV	Lewis	AP-1 - 8.8	-	-	-	-	X	-	8.07	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
02-048	North	WV	Lewis	AP-1 - 9.3	-	-	-	-	X	-	0.22	-
02-049	North	WV	Lewis	AP-1 - 9.3	-	-	-	-	X	X	3.90	-
02-050	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	-	-
02-051	North	WV	Lewis	AP-1 - 9.5	-	-	-	-	X	-	0.39	-
02-053	North	WV	Lewis	AP-1 - 9.6	-	-	-	-	X	-	1.77	-
02-055	North	WV	Lewis	AP-1 - 9.7	-	-	-	-	X	-	2.38	-
02-056	North	WV	Lewis	AP-1 - 9.8	-	1.93	-	-	X	-	6.75	-
02-060.1	North	WV	Lewis	AP-1 - 10.3	-	1.24	-	-	-	-	-	-
02-060.3	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	-	-
02-060.4	North	WV	Lewis	AP-1 - 10.4	-	1.92	-	-	-	-	-	-
02-065	North	WV	Lewis	AP-1 - 10.5	-	3.96	-	-	-	-	-	-
02-066.2	North	WV	Lewis	AP-1 - 11.3	-	-	-	-	-	-	-	-
02-066.3	North	WV	Lewis	AP-1 - 10.7	-	0.83	-	-	-	-	-	-
02-066.4.AR	North	WV	Lewis	AP -1 -11	-	-	-	-	-	-	-	-
02-066.5	North	WV	Lewis	AP-1 - 11.1	-	0.40	-	-	-	-	-	-
02-066.6.AR	North	WV	Lewis	AP -1 -11	-	-	-	-	-	-	-	-
02-067	North	WV	Lewis	AP-1 - 10.9	-	1.43	-	-	-	-	-	-
02-069	North	WV	Lewis	AP-1 - 11.3	-	-	-	-	-	-	5.85	-
02-070	North	WV	Lewis	AP-1 - 11.6	-	-	-	-	-	-	0.30	-
02-071	North	WV	Lewis	AP-1 - 11.6	-	-	-	-	-	-	5.05	-
02-074	North	WV	Lewis	AP-1 - 11.9	-	-	-	-	-	-	0.26	-
02-075	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	0.23	-
02-076	North	WV	Lewis	AP-1 - 12	-	-	-	-	-	-	6.70	-
02-077	North	WV	Lewis	AP-1 - 12.3	-	-	-	-	-	-	4.72	-
02-084	North	WV	Lewis	AP-1 - 12.6	-	-	-	-	-	-	10.06	-
02-084.AR1	North	WV	Lewis	AP -1 -12.3	-	-	-	-	-	-	-	-
02-085	North	WV	Lewis	AP-1 - 13.1	-	-	-	-	-	-	4.66	-
02-090	North	WV	Lewis	AP-1 - 14.1	-	-	-	-	-	-	3.93	-
02-090.4	North	WV	Lewis	AP-1 - 14.2	-	-	-	-	-	-	-	-
02-091	North	WV	Lewis	AP-1 - 14.3	-	-	-	-	-	-	2.28	-
02-091-A001.AR	North	WV	Lewis	AP -1 -14.5	-	-	-	-	-	-	-	-
02-092	North	WV	Lewis	AP-1 - 14.4	-	-	-	-	-	-	2.62	-
02-093.AR	North	WV	Lewis	AP - 1 - 14.5	-	-	-	-	-	-	-	-
02-094	North	WV	Lewis	AP-1 - 14.6	-	-	-	-	-	-	3.32	-
02-095	North	WV	Lewis	AP-1 - 14.8	-	-	-	-	-	-	2.85	-
02-095-A001	North	WV	Lewis	AP-1 - 14.9	-	-	-	-	-	-	0.89	-
02-095-A002	North	WV	Lewis	AP-1 - 14.9	-	-	-	-	-	-	1.01	-
02-096	North	WV	Lewis	AP-1 - 14.9	2.31	-	-	-	-	-	5.09	-
02-096-A001	North	WV	Lewis	AP-1 - 15.1	-	-	-	-	-	-	12.27	-
02-096-A001.AR1	North	WV	Lewis	AP - 1 - 16	-	-	-	-	-	-	-	-
02-096-A001.AR2	North	WV	Lewis	AP - 1 - 16	-	-	-	-	-	-	-	-
02-096-A003	North	WV	Lewis	AP-1 - 15.8	-	-	-	-	-	-	7.02	-
02-096-A005	North	WV	Lewis	AP-1 - 16.6	-	-	-	-	-	-	5.72	-
02-096-A007	North	WV	Lewis	AP-1 - 16.9	-	-	-	-	-	-	2.88	-
02-096-A008	North	WV	Lewis	AP-1 - 16.6	-	-	-	-	-	-	1.27	-
02-096-A009	North	WV	Lewis	AP-1 - 16.9	-	-	-	-	-	-	3.28	-
02-096-A009.AR1	North	WV	Lewis	AP - 1 - 17	-	-	-	-	-	-	-	-
02-096-A010	North	WV	Lewis	AP-1 - 16.9	-	-	-	-	-	-	0.26	-
02-096-A013	North	WV	Lewis	AP-1 - 17.1	-	-	-	-	-	-	2.49	-
02-096-A014.AR	North	WV	Lewis	AP - 1 - 17	-	-	-	-	-	-	-	-
02-096-A015	North	WV	Lewis	AP-1 - 17.2	-	-	-	-	-	-	4.72	-



**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
02-096-A016	North	WV	Lewis	AP-1 - 17.4	-	-	-	-	-	-	1.73	-
02-096-A016.AR1	North	WV	Lewis	AP - 1 - 17.2	-	-	-	-	-	-	-	-
02-096-A017	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	0.31	-
02-096-A018	North	WV	Lewis	AP-1 - 17.5	-	-	-	-	-	-	0.36	-
02-096-A019	North	WV	Lewis	AP-1 - 17.5	-	-	-	-	-	-	0.63	-
02-096-A020	North	WV	Lewis	AP-1 - 17.7	-	-	-	-	-	-	0.88	-
02-096-A020.2.AR	North	WV	Lewis	AP - 1 - 17.2	-	-	-	-	-	-	-	-
02-096-A021	North	WV	Lewis	AP-1 - 17.6	-	-	-	-	-	-	0.72	-
02-096-A022	North	WV	Lewis	AP-1 - 17.7	-	-	-	-	-	-	1.74	-
02-096-A023	North	WV	Lewis	AP-1 - 17.8	-	-	-	-	-	-	3.60	-
02-096-A024	North	WV	Lewis	AP-1 - 17.8	-	-	-	-	-	-	0.22	-
02-096-A025	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	0.04	-
02-096-A028	North	WV	Lewis	AP-1 - 18.4	-	-	-	-	-	-	9.47	-
02-096-A029	North	WV	Lewis	AP-1 - 18.8	-	-	-	-	-	-	1.86	-
02-096-A030	North	WV	Lewis	AP-1 - 18.7	-	-	-	-	-	-	1.37	-
02-096-A031	North	WV	Lewis	AP-1 - 18.9	-	-	-	-	-	-	0.83	-
02-096-A032	North	WV	Lewis	AP-1 - 18.9	-	-	-	-	-	-	3.54	-
02-096-A032.AR1	North	WV	Lewis	AP - 1 - 19	-	-	-	-	-	-	-	-
02-096-A032.AR2	North	WV	Lewis	AP - 1 - 19	-	-	-	-	-	-	-	-
02-096-A033	North	WV	Lewis	AP-1 - 19.1	-	-	-	-	-	-	0.63	-
02-096-A036	North	WV	Lewis	AP-1 - 19.9	-	1.72	-	-	-	-	-	-
02-096-A037.AR	North	WV	Lewis	AP - 1 - 15	-	-	-	-	-	-	-	-
02-096-A038.AR	North	WV	Lewis	AP - 1 - 15.5	-	-	-	-	-	-	-	-
02-116	North	WV	Lewis	AP-1 - 18.3	-	-	-	-	-	-	0.52	-
02-118	North	WV	Lewis	OFFLINE	-	-	-	-	-	-	0.03	-
02-120	North	WV	Lewis	AP-1 - 19.1	-	-	-	-	-	-	1.70	-
02-121	North	WV	Lewis	AP-1 - 19.2	-	-	-	-	-	-	5.02	-
02-122	North	WV	Lewis	AP-1 - 19.8	-	2.72	-	-	-	-	1.89	-
02-124	North	WV	Lewis	AP - 1 - 19.7	-	-	-	-	-	-	-	-
02-125	North	WV	Lewis	AP-1 - 20	-	1.25	-	-	-	-	-	-
02-126	North	WV	Lewis	AP-1 - 20.1	0.04	3.16	-	-	-	-	-	-
02-127	North	WV	Lewis	AP-1 - 20.3	0.04	3.73	-	-	-	-	-	-
02-127.AR1	North	WV	Lewis	AP - 1 - 20.6	-	-	-	-	-	-	-	-
02-128	North	WV	Lewis	OFFLINE	-	0.02	-	-	-	-	-	-
03-017	North	WV	Upshur	AP-1 - 22.5	-	-	-	-	-	-	-	-
03-022.1	North	WV	Upshur	AP-1 - 22.8	-	1.01	-	-	-	-	-	-
03-023	North	WV	Upshur	AP-1 - 23	-	-	-	-	-	-	1.53	-
03-027	North	WV	Upshur	AP-1 - 23.1	-	1.44	-	-	-	-	-	-
03-029	North	WV	Upshur	AP-1 - 23.2	-	3.30	-	-	-	-	-	-
03-029.1	North	WV	Upshur	OFFLINE	-	0.02	-	-	-	-	-	-
03-030	North	WV	Upshur	OFFLINE	-	0.49	-	-	-	-	-	-
03-031	North	WV	Upshur	AP-1 - 23.4	-	8.20	-	-	-	-	-	-
03-032	North	WV	Upshur	OFFLINE	-	0.22	-	-	-	-	-	-
03-033	North	WV	Upshur	OFFLINE	-	0.14	-	-	-	-	-	-
03-034	North	WV	Upshur	AP-1 - 24.5	0.10	2.34	-	-	-	-	-	-
03-034.AR1	North	WV	Upshur	AP - 1 - 24.4	-	-	-	-	-	-	-	-
03-038	North	WV	Upshur	AP-1 - 24.7	-	0.80	-	-	-	-	-	-
03-041	North	WV	Upshur	AP-1 - 24.8	-	-	-	-	-	-	-	-
03-042	North	WV	Upshur	AP-1 - 24.9	-	0.21	-	-	-	-	-	-
03-043	North	WV	Upshur	AP-1 - 24.9	-	0.15	-	-	-	-	-	-
03-044	North	WV	Upshur	AP-1 - 25	-	0.13	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
03-045	North	WV	Upshur	AP-1 - 25	-	1.36	-	-	-	-	-	-
03-046	North	WV	Upshur	AP-1 - 25.1	-	1.11	-	-	-	-	-	-
03-047	North	WV	Upshur	AP-1 - 25.1	0.15	0.54	-	-	-	-	-	-
03-048	North	WV	Upshur	AP-1 - 25.6	-	0.18	-	-	-	-	-	-
03-048.1	North	WV	Upshur	AP-1 - 25.4	-	0.38	-	-	-	-	-	-
03-050	North	WV	Upshur	AP-1 - 25.6	-	-	-	-	-	-	-	-
03-052	North	WV	Upshur	AP-1 - 25.9	-	0.36	-	-	-	-	-	-
03-053	North	WV	Upshur	AP-1 - 26.2	-	0.28	-	-	-	-	-	-
03-054	North	WV	Upshur	AP-1 - 26.5	-	0.86	-	-	-	-	-	-
03-056	North	WV	Upshur	AP-1 - 26.7	-	-	-	-	-	-	-	-
03-059	North	WV	Upshur	AP-1 - 26.9	-	2.25	-	-	-	-	-	-
03-060	North	WV	Upshur	AP-1 - 26.9	-	-	-	-	-	-	-	-
03-061	North	WV	Upshur	AP-1 - 27.3	-	0.81	-	-	-	-	-	-
03-062	North	WV	Upshur	AP-1 - 27.8	-	4.72	-	-	-	-	-	-
03-063	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-
03-064	North	WV	Upshur	AP-1 - 27.8	-	0.53	-	-	-	-	-	-
03-064.1	North	WV	Upshur	AP-1 - 27.7	-	0.64	-	-	-	-	-	-
03-065	North	WV	Upshur	AP-1 - 27.9	-	1.92	-	-	-	-	-	-
03-066.1	North	WV	Upshur	AP-1 - 28	-	0.77	-	-	-	-	-	-
03-067	North	WV	Upshur	AP-1 - 28	-	2.91	-	-	-	-	-	-
03-068	North	WV	Upshur	AP-1 - 28.2	-	2.53	-	-	-	-	-	-
03-069	North	WV	Upshur	AP-1 - 28.4	-	2.38	-	-	-	-	-	-
03-069.AR1	North	WV	Upshur	AP - 1 - 28.4	-	-	-	-	-	-	-	-
03-070	North	WV	Upshur	AP-1 - 28.5	-	2.40	-	-	-	-	-	-
03-073	North	WV	Upshur	AP-1 - 28.7	-	0.32	-	-	-	-	-	-
03-076	North	WV	Upshur	AP-1 - 28.7	-	5.43	-	-	-	-	-	-
03-078	North	WV	Upshur	OFFLINE	-	0.01	-	-	-	-	-	-
03-078-A001	North	WV	Upshur	AP-1 - 29.4	-	1.51	-	-	-	-	-	-
03-078-A003	North	WV	Upshur	AP-1 - 29.6	-	2.85	-	-	-	-	-	-
03-078-A004	North	WV	Upshur	AP-1 - 29.5	-	0.37	-	-	-	-	-	-
03-078-A006	North	WV	Upshur	AP-1 - 29.7	-	0.40	-	-	-	-	-	-
03-079.AR	North	WV	Upshur	AP - 1 - 29.4	-	-	-	-	-	-	-	-
03-080	North	WV	Upshur	AP-1 - 29.7	0.04	0.51	-	-	-	-	-	-
03-081	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-
03-082	North	WV	Upshur	AP-1 - 29.7	0.13	2.65	-	-	-	-	-	-
03-083	North	WV	Upshur	AP-1 - 29.9	-	-	-	-	-	-	-	-
03-084	North	WV	Upshur	AP-1 - 30.3	-	0.40	-	-	-	-	-	-
03-087.1	North	WV	Upshur	AP-1 - 30.3	-	2.26	-	-	-	-	-	-
03-087.AR	North	WV	Upshur	AP - 1 - 30.3	-	-	-	-	-	-	-	-
03-088	North	WV	Upshur	AP-1 - 30.5	-	1.04	-	-	-	-	-	-
03-088.AR1	North	WV	Upshur	AP - 1 - 30.8	-	-	-	-	-	-	-	-
03-089	North	WV	Upshur	AP-1 - 30.6	-	1.39	-	-	-	-	-	-
03-090	North	WV	Upshur	AP-1 - 30.7	-	3.06	-	-	-	-	-	-
03-090.AR1	North	WV	Upshur	AP - 1 - 31	-	-	-	-	-	-	-	-
03-091	North	WV	Upshur	OFFLINE	-	0.26	-	-	-	-	-	-
03-095	North	WV	Upshur	AP-1 - 30.9	-	4.74	-	-	-	-	-	-
03-095.AR1	North	WV	Upshur	AP - 1 - 31	-	-	-	-	-	-	-	-
03-098	North	WV	Upshur	AP-1 - 31.5	-	0.30	-	-	X	-	1.33	-
03-099	North	WV	Upshur	AP-1 - 31.6	-	-	-	-	X	-	0.31	-
03-100	North	WV	Upshur	AP-1 - 31.6	-	-	-	-	X	-	5.53	-
03-101	North	WV	Upshur	AP-1 - 32.3	-	-	-	-	X	-	3.86	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
03-101.AR1	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-	-
03-101.AR2	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-	-
03-102.AR	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-	-
03-103.AR	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-	-
03-104	North	WV	Upshur	AP-1 - 32.2	-	-	-	-	-	X	-	0.64	-
03-105.AR	North	WV	Upshur	AP - 1 - 32.5	-	-	-	-	-	-	-	-	-
03-106	North	WV	Upshur	AP-1 - 32.6	-	-	-	-	-	X	-	0.62	-
03-107	North	WV	Upshur	AP-1 - 32.6	-	-	-	-	-	X	-	0.97	-
03-108	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	-	-
03-109	North	WV	Upshur	AP-1 - 32.9	-	-	-	-	-	X	-	3.24	-
03-110	North	WV	Upshur	AP-1 - 33.2	-	-	-	-	-	X	-	1.81	-
03-111	North	WV	Upshur	AP-1 - 33.2	-	-	-	-	-	X	-	0.61	-
03-114	North	WV	Upshur	AP-1 - 33.5	-	-	-	-	-	X	-	1.19	-
03-114.1	North	WV	Upshur	AP-1 - 33.4	-	-	-	-	-	X	-	0.06	-
03-116	North	WV	Upshur	AP-1 - 34.3	-	-	-	-	-	X	-	1.30	-
03-116.1	North	WV	Upshur	AP-1 - 34.2	-	-	-	-	-	X	-	0.53	-
03-116.2	North	WV	Upshur	AP-1 - 34	-	-	-	-	-	X	-	2.74	-
03-117	North	WV	Upshur	AP-1 - 34.2	-	-	-	-	-	X	X	1.68	-
03-118	North	WV	Upshur	AP-1 - 35.4	-	-	-	-	-	X	X	12.69	-
03-119	North	WV	Upshur	AP-1 - 35	-	-	-	-	-	X	-	-	-
03-120	North	WV	Upshur	AP-1 - 35.3	-	-	-	-	-	X	-	-	-
03-123	North	WV	Upshur	AP-1 - 36.7	-	-	-	-	-	-	-	0.04	-
03-123.1	North	WV	Upshur	AP-1 - 36.7	-	-	-	-	-	X	-	0.86	-
03-123.2.AR	North	WV	Upshur	AP - 1 - 36.5	-	-	-	-	-	-	-	-	-
03-124	North	WV	Upshur	AP-1 - 36.2	-	-	-	-	-	X	-	1.58	-
03-125	North	WV	Upshur	AP-1 - 37.3	-	-	-	-	-	X	X	6.21	-
03-125.AR1	North	WV	Upshur	AP - 1 - 37.2	-	-	-	-	-	-	-	-	-
03-126	North	WV	Upshur	AP-1 - 37.3	-	0.00	-	-	-	-	-	0.39	-
03-129	North	WV	Upshur	AP-1 - 37.5	-	0.00	-	-	-	-	-	5.76	-
03-134	North	WV	Upshur	AP-1 - 37.7	-	-	-	-	-	X	X	1.11	-
03-136	North	WV	Upshur	AP-1 - 37.9	-	-	-	-	-	X	-	-	-
03-137	North	WV	Upshur	AP-1 - 38.1	-	-	-	-	-	X	-	-	-
03-138	North	WV	Upshur	AP-1 - 38.3	-	-	-	-	-	X	-	-	-
03-139.AR	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-139.AR1	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140	North	WV	Upshur	AP-1 - 38.4	-	-	-	-	-	X	X	5.22	-
03-140.AR12	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR13	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR3	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR4	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR6	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR7	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-140.AR8	North	WV	Upshur	AP - 1 - 38.6	-	-	-	-	-	-	-	-	-
03-142	North	WV	Upshur	AP-1 - 39.9	-	-	-	-	-	X	-	3.41	-
03-144	North	WV	Upshur	AP-1 - 39.8	-	-	-	-	-	X	-	-	-
03-146	North	WV	Upshur	AP-1 - 40	-	-	-	-	-	X	X	3.79	-
03-147	North	WV	Upshur	AP-1 - 40.3	-	-	-	-	-	X	X	6.03	-
03-156	North	WV	Upshur	AP-1 - 41.4	-	-	-	-	-	-	-	0.25	-
03-157	North	WV	Upshur	AP-1 - 41.2	-	-	-	-	-	-	-	-	-
03-158	North	WV	Upshur	OFFLINE	-	-	-	-	-	-	-	0.25	-
03-159	North	WV	Upshur	AP-1 - 42.2	-	-	-	-	-	X	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
03-159.AR1	North	WV	Upshur	AP - 1 - 41.6	-	-	-	-	-	-	-	-
03-160	North	WV	Upshur	AP-1 - 42	-	-	-	-	X	-	-	-
03-161	North	WV	Upshur	AP-1 - 43.7	-	-	-	-	X	-	1.57	-
03-162	North	WV	Upshur	AP-1 - 42.3	-	-	-	-	X	-	-	-
03-163	North	WV	Upshur	AP-1 - 42.5	-	-	-	-	X	-	-	-
03-164	North	WV	Upshur	AP-1 - 42.9	-	-	-	-	X	-	0.10	-
04-001	North	WV	Randolph	AP-1 - 43.6	-	-	-	-	X	-	-	-
04-002	North	WV	Randolph	AP-1 - 44.2	-	-	-	-	X	-	-	-
04-002-A001	North	WV	Randolph	AP-1 - 44.7	-	-	-	-	X	X	4.85	-
04-002-A002	North	WV	Randolph	AP-1 - 45	-	-	-	-	-	-	0.33	-
04-002-A002.AR1	North	WV	Randolph	AP - 1 - 45	-	-	-	-	-	-	-	-
04-002-A003	North	WV	Randolph	AP-1 - 45	-	-	-	-	-	-	4.96	-
04-002-A004	North	WV	Randolph	AP-1 - 45.3	-	-	-	-	X	-	9.58	-
04-002-A005	North	WV	Randolph	AP-1 - 46.1	-	-	-	-	X	-	5.36	-
04-002-A005.1.AR	North	WV	Randolph	AP - 1 - 47	-	-	-	-	-	-	-	-
04-002-A006	North	WV	Randolph	AP-1 - 50	-	-	-	-	-	-	33.88	-
04-002-A007	North	WV	Randolph	AP-1 - 47	-	-	-	-	-	-	9.11	-
04-002-B005	North	WV	Randolph	AP-1 - 59.4	-	0.24	-	-	-	-	0.37	-
04-002-B006	North	WV	Randolph	AP-1 - 59.5	-	0.61	-	-	X	-	3.90	-
04-002-B007	North	WV	Randolph	AP-1 - 59.7	-	2.97	-	-	X	X	15.60	-
04-002-B009	North	WV	Randolph	AP-1 - 62	-	4.33	-	-	-	-	-	-
04-002-B011	North	WV	Randolph	AP-1 - 64.7	-	-	-	-	X	-	4.19	-
04-002-B011.1	North	WV	Randolph	AP-1 - 64.6	-	-	-	-	X	-	0.06	-
04-002-B011.2	North	WV	Randolph	AP-1 - 64.7	-	-	-	-	X	-	-	-
04-002-B012	North	WV	Randolph	AP-1 - 63.5	-	-	-	-	-	-	2.23	-
04-002-B015	North	WV	Randolph	AP-1 - 65.4	-	-	-	-	X	-	-	-
04-002-B016	North	WV	Randolph	AP-1 - 65.4	-	-	-	-	X	-	-	-
04-002-B017	North	WV	Randolph	AP-1 - 65.5	-	-	-	-	X	-	3.50	-
04-002-B018	North	WV	Randolph	AP-1 - 66.2	-	-	-	-	X	-	7.42	-
04-002-B019	North	WV	Randolph	AP-1 - 66.1	-	-	-	-	-	-	1.01	-
04-002-B025	North	WV	Randolph	AP-1 - 67	-	-	-	-	X	X	42.50	-
04-002-B026.AR	North	WV	Randolph	AP - 1 - 72.6	-	-	-	-	-	-	-	-
04-002-B046.AR	North	WV	Randolph	AP - 1 - 72.6	-	-	-	-	-	-	-	-
04-002-B050	North	WV	Randolph	AP-1 - 72	-	-	-	-	-	-	0.88	-
04-002-B056	North	WV	Randolph	AP-1 - 72.8	-	-	-	-	-	-	-	-
04-002-B067	North	WV	Randolph	AP-1 - 66.3	-	-	-	-	-	-	0.88	-
04-002-B071	North	WV	Randolph	AP-1 - 66.4	-	-	-	-	X	-	0.84	-
04-002-B072	North	WV	Randolph	AP-1 - 66.4	-	-	-	-	-	-	3.54	-
04-002-B073	North	WV	Randolph	AP-1 - 66.6	-	-	-	-	-	-	3.30	-
04-002-B073.AR1	North	WV	Randolph	AP - 1 - 66.2	-	-	-	-	-	-	-	-
04-002-B074	North	WV	Randolph	AP-1 - 66.8	-	-	-	-	-	-	3.61	-
04-002-B075	North	WV	Randolph	AP-1 - 71.1	-	-	-	-	X	X	9.83	-
04-002-B076	North	WV	Randolph	AP-1 - 71.9	-	-	-	-	-	-	1.20	-
04-002-B077	North	WV	Randolph	AP-1 - 72	-	-	-	-	-	-	4.41	-
04-002-B078	North	WV	Randolph	AP-1 - 72.4	-	-	-	-	-	-	0.61	-
04-002-B079	North	WV	Randolph	OFFLINE	-	-	-	-	-	-	0.05	-
04-002-B080	North	WV	Randolph	AP-1 - 72.3	-	-	-	-	-	-	2.98	-
04-002-B081	North	WV	Randolph	AP-1 - 72.5	-	-	-	-	-	-	4.32	-
04-002-B082	North	WV	Randolph	AP-1 - 73.3	-	-	-	-	-	-	1.61	-
04-002-B083	North	WV	Randolph	AP-1 - 73.7	-	-	-	-	-	-	1.62	-
04-002-B084	North	WV	Randolph	AP-1 - 73.7	-	-	-	-	-	-	0.33	-

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Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
04-002-B085	North	WV	Randolph	AP-1 - 73.8	-	-	-	-	-	-	2.70	-
04-002-B086	North	WV	Randolph	AP-1 - 74	-	-	-	-	-	-	0.18	-
04-002-B123.AR	North	WV	Randolph	AP -1 -60	-	-	-	-	-	-	-	-
04-002-C018.AR	North	WV	Randolph	AP - 1 - 66.7	-	-	-	-	-	-	-	-
05-001-B014	North	WV	Pocahontas	AP-1 - 75.1	-	-	-	-	X	X	4.50	-
05-001-C006.AR.51C	North	WV	Pocahontas	AP - 1 - 81	-	-	-	-	-	-	-	-
05-001-C006.AR1.661	North	WV	Pocahontas	AP - 1 - 81	-	-	-	-	-	-	-	-
05-001-C007.AR.TEMP	North	WV	Pocahontas	AP - 1 - 80	-	-	-	-	-	-	-	-
05-001-C008	North	WV	Pocahontas	AP-1 - 80.3	0.38	1.51	-	-	-	-	1.55	-
05-001-C010	North	WV	Pocahontas	AP-1 - 80.6	-	-	3.51	3A, 3B, 3C, 3D, 3E	-	-	-	-
05-001-C010.AR2.643	North	WV	Pocahontas	AP - 1 - 81.5	-	-	-	-	-	-	-	-
05-001-C010.AR3.643C	North	WV	Pocahontas	AP - 1 - 81.5	-	-	-	-	-	-	-	-
05-001-C013	North	WV	Pocahontas	AP-1 - 79.4	-	-	-	-	-	-	12.07	-
05-001-C016.AR	North	WV	Pocahontas	AP - 1 - 82.6	-	-	-	-	-	-	-	-
05-001-C017.AR	North	WV	Pocahontas	AP - 1 - 82.6	-	-	-	-	-	-	-	-
05-001-D001.TEMP	North	WV	Pocahontas	AP - 1 - 80.5	-	-	-	-	-	-	-	-
05-001-E023	North	WV	Pocahontas	AP-1 - 77.5	-	4.28	-	-	-	-	8.95	-
05-001-E024	North	WV	Pocahontas	AP-1 - 79.1	-	0.02	-	-	-	-	3.34	-
05-001-E024.AR1.PA	North	WV	Pocahontas	AP - 1 - 77.6	-	-	-	-	-	-	-	-
05-001-E024.AR2	North	WV	Pocahontas	AP - 1 - 77.6	-	-	-	-	-	-	-	-
05-001-E024.AR3	North	WV	Pocahontas	AP - 1 - 77.6	-	-	-	-	-	-	-	-
05-001-E025	North	WV	Pocahontas	AP-1 - 79.3	-	-	-	-	-	-	1.64	-
05-001-E027	North	WV	Pocahontas	AP-1 - 81.7	-	-	8.35	3A, 3B, 3C, 3D, 3E	-	-	-	-
05-001-E028	North	WV	Pocahontas	AP-1 - 82.2	-	-	12.33	3A, 3B, 3C, 3D, 3E	-	-	-	-
05-001-E028.AR1	North	WV	Pocahontas	AP - 1 - 82.3	-	-	-	-	-	-	-	-
05-001-E028.AR2	North	WV	Pocahontas	AP - 1 - 82.3	-	-	-	-	-	-	-	-
05-001-E029.AR	North	WV	Pocahontas	OFFLINE	-	-	-	-	-	-	-	-
05-001-E030.51B	North	WV	Pocahontas	AP-1 - 83.4	-	-	-	-	-	-	-	-
05-001-E035	North	WV	Pocahontas	AP-1 - 86.9	-	4.68	-	-	-	-	-	-
05-001-E036	North	WV	Pocahontas	AP-1 - 88	-	9.90	-	-	-	-	-	-
05-001-E037	North	WV	Pocahontas	AP-1 - 87.7	-	3.44	-	-	-	-	-	-
05-001-E038	North	WV	Pocahontas	AP-1 - 88.6	-	2.93	-	-	-	-	-	-
05-001-E050.AR	North	WV	Pocahontas	AP - 1 - 89.1	-	-	-	-	-	-	-	-
05-001-E051	North	WV	Pocahontas	AP-1 - 93.1	-	8.26	-	-	-	-	17.04	-
05-001-E053	North	WV	Pocahontas	AP-1 - 92.3	-	-	-	-	-	-	0.58	-
05-001-E055.1	North	WV	Pocahontas	AP-1 - 92.9	-	-	-	-	-	-	2.86	-
05-001-E055.2	North	WV	Pocahontas	AP-1 - 92.8	-	-	-	-	-	-	3.23	-
05-001-E057.373	North	WV	Pocahontas	AP-1 - 94.6	-	-	4.30	1 - USFS tract	-	-	-	-
05-001-E058	North	WV	Pocahontas	AP-1 - 94.9	-	-	1.31	Requires access through US	-	-	-	-
05-001-E059.377B	North	WV	Pocahontas	AP-1 - 95	-	-	3.06	1 - USFS tract	-	-	-	-
05-001-E060	North	WV	Pocahontas	AP-1 - 95.5	-	8.89	-	-	-	-	-	-
05-001-E064.377A	North	WV	Pocahontas	AP-1 - 99.6	-	-	58.20	1 - USFS tract	-	-	-	-
05-001-E065.AR	North	WV	Pocahontas	AP - 1 - 100	-	-	-	-	-	-	-	-
05-001-E085	North	WV	Pocahontas	AP-1 - 75.4	-	-	-	-	X	X	4.55	-
05-001-E102	North	WV	Pocahontas	AP-1 - 89.1	-	-	2.44	3A, 3B, 3C, 3D	-	-	-	-
05-001-E103	North	WV	Pocahontas	OFFLINE	-	-	0.16	3A, 3B, 3C, 3D	-	-	-	-
05-001-E105	North	WV	Pocahontas	AP-1 - 89.2	-	-	2.54	3A, 3B, 3C, 3D	-	-	-	-
05-001-E106	North	WV	Pocahontas	AP-1 - 89.4	-	-	1.54	3A, 3B, 3C, 3D	-	-	-	-
05-001-E107	North	WV	Pocahontas	OFFLINE	-	-	-	-	-	-	-	-
05-001-E131.AR	North	WV	Pocahontas	AP - 1 - 89.4	-	-	-	-	-	-	-	-
06-001-B001.O-397	North	VA	Highland	AP-1 - 103.8	-	-	42.21	1 - USFS tract	-	-	-	-

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AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
06-001-B001.O-505	North	VA	Highland	AP-1 - 102.4	-	-	2.73	1 - USFS tract	-	-	-	-
06-001-C004	North	VA	Highland	AP-1 - 105.6	-	-	-	-	-	-	-	-
06-001-C004.AR	North	VA	Highland	AP-1 - 105.6	-	-	-	-	-	-	-	-
06-001-C004.AR1	North	VA	Highland	AP-1 - 106.3	-	-	-	-	-	-	-	-
06-001-C011	North	VA	Highland	AP-1 - 106.3	-	-	-	-	-	-	-	-
06-001-C013.AR1	North	VA	Highland	AP-1 - 106.3	-	-	-	-	-	-	-	-
06-001-C014.AR1	North	VA	Highland	AP-1 - 106.7	-	-	-	-	-	-	-	-
06-001-C015.AR1	North	VA	Highland	AP-1 - 106.3	-	-	-	-	-	-	-	-
06-001-C021.AR1	North	VA	Highland	AP-1 - 107.0	-	-	-	-	-	-	-	-
06-001-C022	North	VA	Highland	AP-1 - 106.7	-	-	7.10	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C023	North	VA	Highland	AP-1 - 107.7	-	-	9.56	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C024.AR1	North	VA	Highland	AP-1 - 107.2	-	-	-	-	-	-	-	-
06-001-C025	North	VA	Highland	AP-1 - 108	-	-	3.55	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C025.5	North	VA	Highland	AP-1 - 108	-	-	-	-	-	-	-	-
06-001-C025.AR2	North	VA	Highland	AP-1 - 107.5	-	-	-	-	-	-	-	-
06-001-C027.5.AR1	North	VA	Highland	AP-1 - 108	-	-	-	-	-	-	-	-
06-001-C027.AR1	North	VA	Highland	AP-1 - 107.8	-	-	-	-	-	-	-	-
06-001-C028	North	VA	Highland	AP-1 - 108.1	-	-	6.91	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C028.5	North	VA	Highland	AP-1 - 108.4	-	-	3.36	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C029	North	VA	Highland	AP-1 - 108.7	-	-	0.59	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C030	North	VA	Highland	AP-1 - 108.7	-	-	5.05	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C031.AR1	North	VA	Highland	AP-1 - 108	-	-	-	-	-	-	-	-
06-001-C031.AR2	North	VA	Highland	AP-1 - 108	-	-	-	-	-	-	-	-
06-001-C032	North	VA	Highland	AP-1 - 109.1	-	-	8.68	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C033	North	VA	Highland	AP-1 - 109.6	-	-	8.49	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C035	North	VA	Highland	AP-1 - 110	-	-	2.26	3A, 3B, 3C, 3D, 3E 3F	-	-	-	-
06-001-C036	North	VA	Highland	AP-1 - 110.2	-	-	-	-	-	-	-	-
06-001-C039	North	VA	Highland	AP-1 - 104	-	-	5.31	adjacent to USFS. 3B, 3C, 3D	-	-	-	-
06-001-C040	North	VA	Highland	AP-1 - 103.9	-	-	-	-	-	-	-	-
06-001-C055.AR1	North	VA	Highland	AP-1 - 108	-	-	-	-	-	-	-	-
06-001-C056.AR1	North	VA	Highland	AP-1 - 108.7	-	-	-	-	-	-	-	-
06-001-C057.AR1	North	VA	Highland	AP-1 - 108.9	-	-	-	-	-	-	-	-
06-001-C058.AR1	North	VA	Highland	AP-1 - 108.7	-	-	-	-	-	-	-	-
06-001-C059.AR1	North	VA	Highland	AP-1 - 108.7	-	-	-	-	-	-	-	-
06-001-C061.AR1	North	VA	Highland	AP-1 - 109.0	-	-	-	-	-	-	-	-
06-001-C062.AR1	North	VA	Highland	AP-1 - 109.0	-	-	-	-	-	-	-	-
06-001-C064.AR1	North	VA	Highland	AP-1 - 109.2	-	-	-	-	-	-	-	-
06-001-C065.AR1	North	VA	Highland	AP-1 - 109.5	-	-	-	-	-	-	-	-
06-001-C076.AR1	North	VA	Highland	AP-1 - 106.9	-	-	-	-	-	-	-	-
06-001-C077.AR1	North	VA	Highland	AP-1 - 106.4	-	-	-	-	-	-	-	-
06-001-C078.AR1	North	VA	Highland	AP-1 - 106.4	-	-	-	-	-	-	-	-
06-001-C079.AR1	North	VA	Highland	AP-1 - 105.5	-	-	-	-	-	-	-	-
06-001-C081.AR1	North	VA	Highland	AP-1 - 106.3	-	-	-	-	-	-	-	-
07-001-A004	North	VA	Augusta	AP-1 - 146.1	-	1.39	-	-	-	-	-	-
07-001-A005	North	VA	Augusta	AP-1 - 146.3	-	2.19	-	-	-	-	-	-
07-001-A005.1.AR1	North	VA	Augusta	AP-1 - 146.2	-	-	-	-	-	-	-	-
07-001-A007	North	VA	Augusta	AP-1 - 146.4	-	4.58	-	-	-	-	-	-
07-001-A008	North	VA	Augusta	AP-1 - 146.7	0.17	1.87	-	-	-	-	-	-
07-001-A009	North	VA	Augusta	AP-1 - 147.2	-	-	4.88	2 - adjacent to USFS. 3A	-	-	-	-
07-001-A010	North	VA	Augusta	AP-1 - 147.5	-	-	2.25	2 - adjacent to USFS. 3A	-	-	-	-
07-001-A011	North	VA	Augusta	AP-1 - 151.7	-	-	5.88	3A, 3D, 3E, 3F	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
07-001-A011.1.AR1	North	VA	Augusta	AP-1 - 152.1	-	-	-	-	-	-	-	-
07-001-A012	North	VA	Augusta	AP-1 - 152	-	-	0.70	3A, 3D, 3E, 3F	-	-	-	-
07-001-A013	North	VA	Augusta	AP-1 - 152.1	-	-	1.56	3A, 3D, 3E, 3F	-	-	-	-
07-001-A014	North	VA	Augusta	AP-1 - 152.2	-	-	-	-	-	-	-	-
07-001-A015.G-1616b	North	VA	Augusta	AP-1 - 153.5	-	-	-	-	-	-	-	-
07-001-A016	North	VA	Augusta	AP-1 - 154.4	-	-	7.38	3A, 3E, 3F	-	-	-	-
07-001-A019	North	VA	Augusta	AP-1 - 155.1	-	-	4.72	3A, 3E, 3F	-	-	-	-
07-001-A020	North	VA	Augusta	AP-1 - 155.6	-	-	0.41	3A	-	-	-	-
07-001-A022	North	VA	Augusta	AP-1 - 156	-	-	1.01	3A	-	-	-	-
07-001-A023	North	VA	Augusta	AP-1 - 156.1	-	-	0.52	3A	-	-	-	-
07-001-A030	North	VA	Augusta	AP-1 - 157.3	-	-	0.00	3A	-	-	-	-
07-001-F002	North	VA	Augusta	AP-1 - 133.3	-	-	6.21	3A, 3C, 3D, 3F	-	-	-	-
07-001-F002.AR1	North	VA	<Null>	AP-1 - 133.8	-	-	-	-	-	-	-	-
07-001-F003	North	VA	Augusta	AP-1 - 133.5	-	-	2.05	3A, 3C, 3D, 3F	-	-	-	-
07-001-F006	North	VA	Augusta	AP-1 - 134.1	-	2.20	-	-	-	-	-	-
07-001-F007	North	VA	Augusta	AP-1 - 134.2	-	1.97	-	-	-	-	-	-
07-001-F009	North	VA	Augusta	AP-1 - 134.4	-	3.91	-	-	-	-	-	-
07-001-F010	North	VA	Augusta	AP-1 - 134.7	-	1.84	-	-	-	-	-	-
07-001-F011	North	VA	Augusta	AP-1 - 134.8	-	2.37	-	-	-	-	-	-
07-001-F012	North	VA	Augusta	AP-1 - 135	-	1.48	-	-	-	-	-	-
07-001-F013	North	VA	Augusta	AP-1 - 135.1	-	2.03	-	-	-	-	-	-
07-001-F014	North	VA	Augusta	AP-1 - 135.2	-	2.55	-	-	-	-	-	-
07-001-F015	North	VA	Augusta	AP-1 - 135.3	-	1.83	-	-	-	-	-	-
07-001-F029	North	VA	Augusta	AP-1 - 136.7	-	12.30	-	-	-	-	-	-
07-001-F030	North	VA	Augusta	AP-1 - 137.6	-	0.61	-	-	-	-	-	-
07-001-F031	North	VA	Augusta	AP-1 - 137.6	-	0.05	-	-	-	-	-	-
07-001-F034	North	VA	Augusta	AP-1 - 137.7	-	-	-	-	-	-	-	-
07-001-F035	North	VA	Augusta	AP-1 - 137.8	-	0.11	-	-	-	-	-	-
07-001-F036	North	VA	Augusta	OFFLINE	-	0.28	-	-	-	-	-	-
07-001-F037	North	VA	Augusta	AP-1 - 138	-	0.38	-	-	-	-	-	-
07-001-F038	North	VA	Augusta	AP-1 - 138.1	-	1.01	-	-	-	-	-	-
07-001-F039	North	VA	Augusta	AP-1 - 138.3	-	1.52	-	-	-	-	-	-
07-001-F040	North	VA	Augusta	AP-1 - 138.6	-	-	0.25	3A, 3F	-	-	-	-
07-001-F041	North	VA	Augusta	AP-1 - 139.6	-	-	1.82	3A, 3F	-	-	-	-
07-001-F044	North	VA	Augusta	AP-1 - 135.5	-	-	3.61	3A, 3F	-	-	-	-
07-001-F046	North	VA	Augusta	AP-1 - 135.7	-	-	-	-	-	-	-	-
07-001-F047	North	VA	Augusta	OFFLINE	-	-	-	-	-	-	-	-
07-001-F048	North	VA	Augusta	OFFLINE	-	-	-	-	-	-	-	-
07-001-F049	North	VA	Augusta	AP-1 - 135.8	-	-	-	-	-	-	-	-
07-001-F050	North	VA	Augusta	AP-1 - 136	-	-	-	-	-	-	-	-
07-001-F051	North	VA	Augusta	AP-1 - 136.3	-	-	-	-	-	-	-	-
07-001-R010.AR1	North	VA	<Null>	AP-1 - 147.5	-	-	-	-	-	-	-	-
07-001-R011.AR1	North	VA	Augusta	AP-1 - 151.6	-	-	-	-	-	-	-	-
07-001.AR1.BRP-1	North	VA	Augusta	AP-1 - 189.2	-	-	-	-	-	-	-	-
07-001.AR1.N-159a	North	VA	Augusta	AP-1 - 189.1	-	-	-	-	-	-	-	-
07-001.AR1.S-12	North	VA	Augusta	AP-1 - 150.5	-	-	4.96	1 - USFS tract	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	OFFLINE	-	-	-	-	-	-	-	-
07-001.AR1.S-1210b	North	VA	Augusta	AP-1 - 137	-	-	-	-	-	-	-	-
07-001.AR1.S-1257	North	VA	Augusta	AP-1 - 152.2	-	-	-	-	-	-	-	-
07-001.AR1.S-17a	North	VA	Augusta	AP-1 - 149.9	-	-	10.43	1 - USFS tract	-	-	-	-
07-001.AR1.S-34	North	VA	Augusta	AP-1 - 151.2	-	-	-	-	-	-	-	-
07-001.AR1.S-45	North	VA	Augusta	AP-1 - 147.4	-	-	13.88	1 - USFS tract	-	-	-	-
07-001.AR1.S-46	North	VA	Augusta	AP-1 - 148.7	-	-	5.28	1 - USFS tract	-	-	-	-
07-001.AR1.S-552	North	VA	Augusta	AP-1 - 153.8	-	-	-	-	-	-	-	-
07-001.AR1.S-555	North	VA	Augusta	AP-1 - 152.3	-	-	-	-	-	-	-	-
07-001.AR1.S-83-1	North	VA	Augusta	AP-1 - 151.5	-	-	-	-	-	-	-	-
07-001.AR1.S-83-2	North	VA	Augusta	AP-1 - 151.3	-	-	-	-	-	-	-	-
07-001.AR1.S-83-3	North	VA	Augusta	AP-1 - 151.3	-	-	-	-	-	-	-	-
07-005	North	VA	Augusta	AP-1 - 139.7	-	-	1.28	3A, 3F	-	-	-	-
07-005-A001	North	VA	Augusta	AP-1 - 139.9	-	-	0.47	3A, 3F	-	-	-	-
07-005-A002	North	VA	Augusta	AP-1 - 139.9	-	-	-	-	-	-	-	-
07-005-A008	North	VA	Augusta	AP-1 - 140.5	-	1.69	-	-	-	-	-	-
07-005-A009	North	VA	Augusta	AP-1 - 140.6	-	1.95	-	-	-	-	-	-
07-005-A010	North	VA	Augusta	AP-1 - 140.7	-	0.48	-	-	-	-	-	-
07-005-A011	North	VA	Augusta	AP-1 - 140.7	-	0.75	-	-	-	-	-	-
07-005-A012	North	VA	Augusta	AP-1 - 140.8	-	0.31	-	-	-	-	-	-
07-005-A013	North	VA	Augusta	AP-1 - 140.8	-	3.06	-	-	-	-	-	-
07-005-A014	North	VA	Augusta	AP-1 - 141.5	-	-	2.03	3A, 3C, 3D	-	-	-	-
07-005-A015	North	VA	Augusta	AP-1 - 141.2	-	0.59	0.48	3A, 3C, 3D	-	-	-	-
07-005-A017	North	VA	Augusta	AP-1 - 141.7	-	-	0.19	3A, 3C, 3D	-	-	-	-
07-005-A018	North	VA	Augusta	AP-1 - 141.9	-	-	0.00	3A	-	-	-	-
07-005-A020	North	VA	Augusta	AP-1 - 142.4	-	-	-	-	-	-	-	-
07-005-A022	North	VA	Augusta	AP-1 - 142.5	-	0.38	-	-	-	-	-	-
07-005-A024	North	VA	Augusta	AP-1 - 142.7	-	2.50	-	-	-	-	-	-
07-005-A026	North	VA	Augusta	AP-1 - 142.9	-	1.25	-	-	-	-	-	-
07-005-A034	North	VA	Augusta	AP-1 - 143	-	1.30	-	-	-	-	-	-
07-005-A035	North	VA	Augusta	AP-1 - 143.1	-	0.75	-	-	-	-	-	-
07-005-A036	North	VA	Augusta	AP-1 - 143.2	-	3.53	-	-	-	-	-	-
07-005-A037	North	VA	Augusta	AP-1 - 143.4	-	5.32	-	-	-	-	-	-
07-005-A038	North	VA	Augusta	AP-1 - 143.6	-	0.43	-	-	-	-	-	-
07-005-A050	North	VA	Augusta	AP-1 - 142.6	-	2.16	-	-	-	-	-	-
07-005-A051	North	VA	Augusta	OFFLINE	-	0.11	-	-	-	-	-	-
07-005.1	North	VA	Augusta	AP-1 - 139.8	-	-	1.20	3A, 3F	-	-	-	-
07-024-A001.CY	North	VA	Augusta	AP-1 - 175	-	-	-	-	-	-	-	-
07-058-E074	North	VA	Augusta	AP-1 - 188.2	-	0.05	-	-	-	-	-	-
07-058-E075	North	VA	Augusta	AP-1 - 188.3	-	0.70	-	-	-	-	-	-
07-058-E076	North	VA	Augusta	AP-1 - 188.3	-	1.49	-	-	-	-	-	-
07-058-E077	North	VA	Augusta	AP-1 - 188.6	0.43	1.84	-	-	-	-	-	-
07-058-E079	North	VA	Augusta	AP-1 - 188.5	0.50	2.13	-	-	-	-	-	-
07-058-E081	North	VA	Augusta	OFFLINE	-	0.10	-	-	-	-	-	-
07-058-E082	North	VA	Augusta	AP-1 - 188.7	-	5.40	-	-	-	-	-	-
07-058-E083	North	VA	Augusta	OFFLINE	-	0.16	-	-	-	-	-	-
08-001-B003	North	VA	Nelson	AP-1 - 190	-	-	14.02	3A, 3B	-	-	-	-
08-001-B005	North	VA	Nelson	AP-1 - 189.8	-	-	-	-	-	-	-	-
09-001-A001	South	VA	Buckingham	AP-1 - 217.9	-	11.76	-	-	-	-	-	-
09-001-A002	South	VA	Buckingham	AP-1 - 218.8	-	4.47	-	-	-	-	-	-



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Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
09-001-A003	South	VA	Buckingham	AP-1 - 219	-	2.20	-	-	-	-	-	-
09-001-B013	South	VA	Buckingham	AP-1 - 217.7	-	-	-	-	-	-	-	-
09-005	South	VA	Buckingham	AP-1 - 220	5.89	34.80	-	-	-	-	-	-
09-012	South	VA	Buckingham	AP-1 - 222.5	-	2.21	-	-	-	-	-	-
09-015	South	VA	Buckingham	AP-1 - 222.7	-	2.56	-	-	-	-	-	-
09-016	South	VA	Buckingham	AP-1 - 222.8	-	1.01	-	-	-	-	-	-
09-028-A001	South	VA	Buckingham	AP-1 - 224.2	-	1.47	-	-	-	-	-	-
09-029	South	VA	Buckingham	AP-1 - 224.6	-	3.85	-	-	-	-	-	-
09-031	South	VA	Buckingham	AP-1 - 224.8	-	-	-	-	-	-	-	-
09-033	South	VA	Buckingham	AP-1 - 224.9	-	-	-	-	-	-	-	-
09-034	South	VA	Buckingham	AP-1 - 224.9	-	1.09	-	-	-	-	-	-
09-036	South	VA	Buckingham	AP-1 - 225	-	1.40	-	-	-	-	-	-
09-037	South	VA	Buckingham	AP-1 - 225.2	-	-	-	-	-	-	-	-
09-038	South	VA	Buckingham	OFFLINE	-	-	-	-	-	-	-	-
09-038.5	South	VA	Buckingham	AP-1 - 225.1	-	1.05	-	-	-	-	-	-
09-040	South	VA	Buckingham	AP-1 - 226.4	1.43	17.93	-	-	-	-	-	-
09-040-A001	South	VA	Buckingham	AP-1 - 225.5	0.64	5.52	-	-	-	-	-	-
09-040-A002	South	VA	Buckingham	AP-1 - 226.1	0.65	1.71	-	-	-	-	-	-
09-040-A003	South	VA	Buckingham	AP-1 - 227.7	0.45	-	-	-	-	-	-	-
09-040-A004.AR1	South	VA	Buckingham	AP-1 - 222.0	-	-	-	-	-	-	-	-
09-041	South	VA	Buckingham	AP-1 - 226.3	0.80	0.94	-	-	-	-	-	-
09-041-A001.AR1	South	VA	Buckingham	AP-1 - 225.7	-	-	-	-	-	-	-	-
09-041-A002.AR1	South	VA	Buckingham	AP-1 - 225.9	-	-	-	-	-	-	-	-
09-045	South	VA	Buckingham	AP-1 - 227.7	2.87	7.50	-	-	-	-	-	-
09-045.AR1	South	VA	Buckingham	AP-1 - 227.9	-	-	-	-	-	-	-	-
09-046	South	VA	Buckingham	AP-1 - 228.3	0.13	-	-	-	-	-	-	-
09-047	South	VA	Buckingham	AP-1 - 228.6	0.49	-	-	-	-	-	-	-
09-048	South	VA	Buckingham	AP-1 - 229.4	0.78	4.17	-	-	-	-	-	-
09-049	South	VA	Buckingham	AP-1 - 229.7	-	2.03	-	-	-	-	-	-
09-050	South	VA	Buckingham	AP-1 - 229.9	-	0.07	-	-	-	-	-	-
09-051	South	VA	Buckingham	AP-1 - 229.9	1.01	4.46	-	-	-	-	-	-
09-052	South	VA	Buckingham	AP-1 - 230.2	-	2.22	-	-	-	-	-	-
09-053	South	VA	Buckingham	AP-1 - 230.4	0.24	4.49	-	-	-	-	-	-
09-054	South	VA	Buckingham	AP-1 - 230.7	0.08	0.03	-	-	-	-	-	-
09-055	South	VA	Buckingham	AP-1 - 230.7	0.56	2.51	-	-	-	-	-	-
09-056	South	VA	Buckingham	AP-1 - 230.8	3.22	-	-	-	-	-	-	-
09-057	South	VA	Buckingham	AP-1 - 231	2.09	2.94	-	-	-	-	-	-
09-057-A001	South	VA	Buckingham	OFFLINE	0.11	-	-	-	-	-	-	-
09-059	South	VA	Buckingham	AP-1 - 231.3	0.49	8.58	-	-	-	-	-	-
09-060	South	VA	Buckingham	AP-1 - 231.9	-	4.93	-	-	-	-	-	-
09-063	South	VA	Buckingham	AP-1 - 232.5	-	1.35	-	-	-	-	-	-
09-064	South	VA	Buckingham	AP-1 - 232.3	-	1.47	-	-	-	-	-	-
09-065	South	VA	Buckingham	AP-1 - 232.4	-	2.80	-	-	-	-	-	-
09-066	South	VA	Buckingham	AP-1 - 232.7	-	2.48	-	-	-	-	-	-
09-067	South	VA	Buckingham	AP-1 - 232.8	2.64	3.21	-	-	-	-	-	-
09-069	South	VA	Buckingham	AP-1 - 233.1	-	4.96	-	-	-	-	-	-
09-070	South	VA	Buckingham	AP-1 - 233.4	-	1.75	-	-	-	-	-	-
09-072	South	VA	Buckingham	AP-1 - 233.5	-	3.52	-	-	-	-	-	-
09-074	South	VA	Buckingham	AP-1 - 233.8	1.18	9.39	-	-	-	-	-	-
09-074.1	South	VA	Buckingham	OFFLINE	-	0.04	-	-	-	-	-	-
09-076	South	VA	Buckingham	AP-1 - 234.4	1.47	7.07	-	-	-	-	-	-

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Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
09-077	South	VA	Buckingham	AP-1 - 234.9	-	1.47	-	-	-	-	-	-	-
09-078	South	VA	Buckingham	AP-1 - 234.9	-	2.60	-	-	-	-	-	-	-
09-079	South	VA	Buckingham	AP-1 - 235.1	-	2.61	-	-	-	-	-	-	-
09-080	South	VA	Buckingham	AP-1 - 235.3	0.17	2.98	-	-	-	-	-	-	-
09-081	South	VA	Buckingham	AP-1 - 235.7	-	8.35	-	-	-	-	-	-	-
09-081-A001	South	VA	Buckingham	AP-1 - 236.3	1.08	0.64	-	-	-	-	-	-	-
09-081-A002	South	VA	Buckingham	AP-1 - 236.8	-	-	-	-	-	-	-	-	-
09-082	South	VA	Buckingham	OFFLINE	-	0.29	-	-	-	-	-	-	-
09-083	South	VA	Buckingham	AP-1 - 236.5	-	3.23	-	-	-	-	-	-	-
09-086	South	VA	Buckingham	AP-1 - 236.8	0.52	7.07	-	-	-	-	-	-	-
09-087.2	South	VA	Buckingham	AP-1 - 237.3	-	-	-	-	-	-	-	-	-
09-103	South	VA	Buckingham	AP-1 - 239.1	-	7.13	-	-	-	-	-	-	-
09-103-A001.AR1	South	VA	Buckingham	AP-1 - 239.1	-	-	-	-	-	-	-	-	-
09-103-A002.AR1	South	VA	Buckingham	AP-1 - 218.5	-	-	-	-	-	-	-	-	-
09-104	South	VA	Buckingham	AP-1 - 239.1	-	0.44	-	-	-	-	-	-	-
09-111	South	VA	Buckingham	AP-1 - 240.6	-	1.28	-	-	-	-	-	-	-
09-113	South	VA	Buckingham	AP-1 - 240.7	-	3.41	-	-	-	-	-	-	-
09-114	South	VA	Buckingham	AP-1 - 241.2	0.46	3.76	-	-	-	-	-	-	-
09-116	South	VA	Buckingham	AP-1 - 241.2	-	-	-	-	-	-	-	-	-
09-117	South	VA	Buckingham	AP-1 - 241.4	0.32	1.43	-	-	-	-	-	-	-
09-118	South	VA	Buckingham	AP-1 - 241.5	-	0.59	-	-	-	-	-	-	-
09-119	South	VA	Buckingham	AP-1 - 241.6	0.42	2.17	-	-	-	-	-	-	-
09-120	South	VA	Buckingham	AP-1 - 241.8	0.23	2.44	-	-	-	-	-	-	-
09-121	South	VA	Buckingham	AP-1 - 241.9	0.73	-	-	-	-	-	-	-	-
09-123	South	VA	Buckingham	AP-1 - 242.1	-	2.60	-	-	-	-	-	-	-
09-125-A001	South	VA	Buckingham	AP-1 - 242.8	-	-	-	-	-	-	-	-	-
09-127	South	VA	Buckingham	AP-1 - 243.6	-	-	-	-	-	-	-	-	-
09-128	South	VA	Buckingham	AP-1 - 243	-	8.62	-	-	-	-	-	-	-
09-129	South	VA	Buckingham	AP-1 - 243.6	0.50	10.16	-	-	-	-	-	-	-
09-129.5	South	VA	Buckingham	AP-1 - 244.3	-	4.31	-	-	-	-	-	-	-
09-129.AR1	South	VA	Buckingham	AP-1 - 243.8	-	-	-	-	-	-	-	-	-
09-129.AR2	South	VA	Buckingham	AP-1 - 243.8	-	-	-	-	-	-	-	-	-
10-001	South	VA	Cumberland	AP-1 - 244.7	0.33	9.91	-	-	-	-	-	-	-
10-005	South	VA	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
10-006	South	VA	Cumberland	AP-1 - 245.3	-	2.36	-	-	-	-	-	-	-
10-007	South	VA	Cumberland	AP-1 - 245.6	-	3.81	-	-	-	-	-	-	-
10-009	South	VA	Cumberland	AP-1 - 245.9	-	2.97	-	-	-	-	-	-	-
10-010	South	VA	Cumberland	AP-1 - 246.1	0.12	1.35	-	-	-	-	-	-	-
10-011	South	VA	Cumberland	AP-1 - 246	-	0.54	-	-	-	-	-	-	-
10-014	South	VA	Cumberland	AP-1 - 246.4	-	4.44	-	-	-	-	-	-	-
10-015	South	VA	Cumberland	AP-1 - 246.8	-	3.57	-	-	-	-	-	-	-
10-016	South	VA	Cumberland	AP-1 - 247	-	1.35	-	-	-	-	-	-	-
10-017	South	VA	Cumberland	AP-1 - 247.1	-	1.95	-	-	-	-	-	-	-
10-019	South	VA	Cumberland	AP-1 - 247.2	-	7.51	-	-	-	-	-	-	-
10-020	South	VA	Cumberland	AP-1 - 247.6	-	0.22	-	-	-	-	-	-	-
10-021	South	VA	Cumberland	AP-1 - 247.6	-	3.09	-	-	-	-	-	-	-
10-022.5	South	VA	Cumberland	AP-1 - 247.8	-	1.49	-	-	-	-	-	-	-
10-023	South	VA	Cumberland	AP-1 - 247.9	-	5.82	-	-	-	-	-	-	-
10-024	South	VA	Cumberland	AP-1 - 248.3	2.56	4.68	-	-	-	-	-	-	-
10-025	South	VA	Cumberland	OFFLINE	0.51	-	-	-	-	-	-	-	-
10-030	South	VA	Cumberland	OFFLINE	-	0.07	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
10-031	South	VA	Cumberland	OFFLINE	-	0.06	-	-	-	-	-	-	-
10-033	South	VA	Cumberland	OFFLINE	-	0.12	-	-	-	-	-	-	-
10-034	South	VA	Cumberland	AP-1 - 248.8	-	3.31	-	-	-	-	-	-	-
10-037	South	VA	Cumberland	AP-1 - 248.9	-	4.69	-	-	-	-	-	-	-
10-038	South	VA	Cumberland	AP-1 - 249.2	-	1.76	-	-	-	-	-	-	-
10-039	South	VA	Cumberland	AP-1 - 249.5	-	0.44	-	-	-	-	-	-	-
10-040	South	VA	Cumberland	AP-1 - 249.5	-	2.76	-	-	-	-	-	-	-
10-041	South	VA	Cumberland	AP-1 - 249.7	-	-	-	-	-	-	-	-	-
10-041.5	South	VA	Cumberland	AP-1 - 249.7	-	0.37	-	-	-	-	-	-	-
10-042	South	VA	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
10-059	South	VA	Cumberland	AP-1 - 251	-	2.88	-	-	-	-	-	-	-
10-060	South	VA	Cumberland	AP-1 - 251.4	-	2.28	-	-	-	-	-	-	-
10-061	South	VA	Cumberland	AP-1 - 251.5	-	7.77	-	-	-	-	-	-	-
10-063	South	VA	Cumberland	AP-1 - 252.4	1.74	4.15	-	-	-	-	-	-	-
10-064	South	VA	Cumberland	AP-1 - 252.8	-	-	-	-	-	-	-	-	-
11-001	South	VA	Prince Edward	AP-1 - 253.7	-	2.64	-	-	-	-	-	-	-
11-001-A004.BY	South	VA	Prince Edward	AP-1 - 248.7	-	-	-	-	-	-	-	-	-
11-001.5	South	VA	Prince Edward	AP-1 - 254.1	-	1.56	-	-	-	-	-	-	-
11-015	South	VA	Prince Edward	AP-1 - 254.2	-	0.10	-	-	-	-	-	-	-
11-016	South	VA	Prince Edward	AP-1 - 254.2	-	1.83	-	-	-	-	-	-	-
11-016-A002.AR1	South	VA	Prince Edward	AP-1 - 254.4	-	-	-	-	-	-	-	-	-
11-018	South	VA	Prince Edward	AP-1 - 254.3	-	1.20	-	-	-	-	-	-	-
11-018.1	South	VA	Prince Edward	AP-1 - 254.4	-	0.09	-	-	-	-	-	-	-
11-018.AR1	South	VA	Prince Edward	AP-1 - 254.4	-	-	-	-	-	-	-	-	-
11-021	South	VA	Prince Edward	AP-1 - 254.4	-	8.26	-	-	-	-	-	-	-
11-024	South	VA	Prince Edward	AP-1 - 254.9	-	3.64	-	-	-	-	-	-	-
11-025	South	VA	Prince Edward	AP-1 - 255.2	-	0.86	-	-	-	-	-	-	-
11-026	South	VA	Prince Edward	AP-1 - 255.2	-	0.82	-	-	-	-	-	-	-
11-032	South	VA	Prince Edward	AP-1 - 255.3	-	0.27	-	-	-	-	-	-	-
11-035	South	VA	Prince Edward	AP-1 - 255.3	-	0.02	-	-	-	-	-	-	-
11-036	South	VA	Prince Edward	AP-1 - 255.3	-	0.08	-	-	-	-	-	-	-
11-037	South	VA	Prince Edward	OFFLINE	-	0.42	-	-	-	-	-	-	-
11-038	South	VA	Prince Edward	AP-1 - 255.6	-	2.16	-	-	-	-	-	-	-
11-039	South	VA	Prince Edward	AP-1 - 255.8	-	0.72	-	-	-	-	-	-	-
11-040	South	VA	Prince Edward	AP-1 - 255.8	-	4.19	-	-	-	-	-	-	-
11-048	South	VA	Prince Edward	AP-1 - 256.6	-	0.42	-	-	-	-	-	-	-
11-051	South	VA	Prince Edward	AP-1 - 256.4	-	2.51	-	-	-	-	-	-	-
11-052	South	VA	Prince Edward	AP-1 - 256.6	-	3.50	-	-	-	-	-	-	-
11-053	South	VA	Prince Edward	AP-1 - 256.9	-	-	-	-	-	-	-	-	-
11-053-A001	South	VA	Prince Edward	AP-1 - 256.9	-	0.61	-	-	-	-	-	-	-
11-053.7	South	VA	Prince Edward	OFFLINE	-	0.01	-	-	-	-	-	-	-
11-053.8	South	VA	Prince Edward	AP-1 - 257.3	-	0.72	-	-	-	-	-	-	-
11-053.9	South	VA	Prince Edward	AP-1 - 257.3	-	1.04	-	-	-	-	-	-	-
11-054	South	VA	Prince Edward	AP-1 - 257	-	1.84	-	-	-	-	-	-	-
11-054.1	South	VA	Prince Edward	AP-1 - 257.1	-	-	-	-	-	-	-	-	-
11-054.2	South	VA	Prince Edward	AP-1 - 257.1	-	2.86	-	-	-	-	-	-	-
11-061.5	South	VA	Prince Edward	AP-1 - 257.4	-	-	-	-	-	-	-	-	-
11-064	South	VA	Prince Edward	AP-1 - 258.1	-	2.96	-	-	-	-	-	-	-
11-065	South	VA	Prince Edward	AP-1 - 258	-	2.15	-	-	-	-	-	-	-
11-065.5	South	VA	Prince Edward	AP-1 - 257.9	-	-	-	-	-	-	-	-	-
11-066	South	VA	Prince Edward	AP-1 - 257.7	-	-	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
11-066.5	South	VA	Prince Edward	AP-1 - 257.7	-	-	-	-	-	-	-	-
11-067	South	VA	Prince Edward	AP-1 - 257.8	-	-	-	-	-	-	-	-
11-068	South	VA	Prince Edward	AP-1 - 258.3	-	3.01	-	-	-	-	-	-
11-069	South	VA	Prince Edward	AP-1 - 258.5	-	0.28	-	-	-	-	-	-
11-070	South	VA	Prince Edward	AP-1 - 258.5	-	0.25	-	-	-	-	-	-
11-XX1.CY	South	VA	Prince Edward	AP-1 - 250.5	-	-	-	-	-	-	-	-
12-001; 11-071	South	VA	Nottoway	AP-1 - 259.4	-	15.65	-	-	-	-	-	-
12-002	South	VA	Nottoway	AP-1 - 259.6	-	6.62	-	-	-	-	-	-
12-002.1	South	VA	Nottoway	AP-1 - 260	-	5.40	-	-	-	-	-	-
12-004	South	VA	Nottoway	AP-1 - 260.3	-	3.96	-	-	-	-	-	-
12-005	South	VA	Nottoway	AP-1 - 260.7	-	0.91	-	-	-	-	-	-
12-006	South	VA	Nottoway	AP-1 - 260.7	-	7.83	-	-	-	-	-	-
12-007	South	VA	Nottoway	OFFLINE	-	0.01	-	-	-	-	-	-
12-008	South	VA	Nottoway	AP-1 - 261.2	-	1.21	-	-	-	-	-	-
12-010	South	VA	Nottoway	AP-1 - 261.7	-	9.47	-	-	-	-	-	-
12-012	South	VA	Nottoway	AP-1 - 262.2	-	16.08	-	-	-	-	-	-
12-014	South	VA	Nottoway	AP-1 - 263.2	-	0.07	-	-	-	-	-	-
12-015	South	VA	Nottoway	AP-1 - 263.6	-	0.53	-	-	-	-	-	-
12-015.5	South	VA	Nottoway	AP-1 - 263.6	-	3.08	-	-	-	-	-	-
12-016	South	VA	Nottoway	AP-1 - 263.8	-	2.52	-	-	-	-	-	-
12-017	South	VA	Nottoway	AP-1 - 264	-	1.81	-	-	-	-	-	-
12-018	South	VA	Nottoway	AP-1 - 264.5	-	0.41	-	-	-	-	-	-
12-020	South	VA	Nottoway	AP-1 - 264.6	3.20	-	-	-	-	-	-	-
12-021	South	VA	Nottoway	AP-1 - 264.8	-	5.21	-	-	-	-	-	-
12-022	South	VA	Nottoway	AP-1 - 265.1	-	3.25	-	-	-	-	-	-
12-023	South	VA	Nottoway	AP-1 - 265.1	-	0.07	-	-	-	-	-	-
12-024	South	VA	Nottoway	AP-1 - 265.3	-	3.02	-	-	-	-	-	-
12-025	South	VA	Nottoway	OFFLINE	-	0.06	-	-	-	-	-	-
12-026	South	VA	Nottoway	AP-1 - 265.5	-	2.92	-	-	-	-	-	-
12-027	South	VA	Nottoway	AP-1 - 265.6	-	12.86	-	-	-	-	-	-
12-028	South	VA	Nottoway	AP-1 - 266.5	-	5.02	-	-	-	-	-	-
12-028.AR1	South	VA	<Null>	AP-1 - 266.7	-	-	-	-	-	-	-	-
12-028.AR4	South	VA	<Null>	AP-1 - 266.9	-	-	-	-	-	-	-	-
12-029	South	VA	Nottoway	AP-1 - 266.9	-	5.27	-	-	-	-	-	-
12-030	South	VA	Nottoway	AP-1 - 267.3	-	1.09	-	-	-	-	-	-
12-031	South	VA	Nottoway	AP-1 - 267.2	-	0.85	-	-	-	-	-	-
12-032	South	VA	Nottoway	AP-1 - 267.3	-	4.22	-	-	-	-	-	-
12-034	South	VA	Nottoway	AP-1 - 267.5	-	1.46	-	-	-	-	-	-
12-035	South	VA	Nottoway	AP-1 - 267.6	-	1.62	-	-	-	-	-	-
12-036	South	VA	Nottoway	AP-1 - 267.8	-	4.31	-	-	-	-	-	-
12-038	South	VA	Nottoway	AP-1 - 268	-	5.59	-	-	-	-	-	-
12-041	South	VA	Nottoway	AP-1 - 268.4	-	2.30	-	-	-	-	-	-
12-042	South	VA	Nottoway	AP-1 - 268.5	-	0.59	-	-	-	-	-	-
12-043	South	VA	Nottoway	AP-1 - 268.5	-	1.84	-	-	-	-	-	-
12-044	South	VA	Nottoway	AP-1 - 268.6	1.27	2.32	-	-	-	-	-	-
12-044.5	South	VA	Nottoway	AP-1 - 269.1	-	3.86	-	-	-	-	-	-
12-045	South	VA	Nottoway	AP-1 - 269.4	-	5.49	-	-	-	-	-	-
12-047	South	VA	Nottoway	AP-1 - 269.7	-	1.17	-	-	-	-	-	-
12-047.5	South	VA	Nottoway	AP-1 - 269.8	1.96	-	-	-	-	-	-	-
12-048	South	VA	Nottoway	AP-1 - 269.9	-	0.70	-	-	-	-	-	-
12-049	South	VA	Nottoway	AP-1 - 270	-	4.31	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
12-049.5	South	VA	Nottoway	OFFLINE	-	0.33	-	-	-	-	-	-	-
12-050	South	VA	Nottoway	OFFLINE	-	0.07	-	-	-	-	-	-	-
12-051	South	VA	Nottoway	OFFLINE	-	0.02	-	-	-	-	-	-	-
12-052	South	VA	Nottoway	AP-1 - 270.2	-	1.51	-	-	-	-	-	-	-
12-054	South	VA	Nottoway	AP-1 - 270.3	-	4.02	-	-	-	-	-	-	-
12-055	South	VA	Nottoway	AP-1 - 270.6	-	0.54	-	-	-	-	-	-	-
12-056	South	VA	Nottoway	AP-1 - 270.6	-	1.71	-	-	-	-	-	-	-
12-057	South	VA	Nottoway	AP-1 - 270.8	-	-	-	-	-	-	-	-	-
12-058	South	VA	Nottoway	AP-1 - 270.8	-	1.92	-	-	-	-	-	-	-
12-061	South	VA	Nottoway	AP-1 - 271.1	-	9.16	-	-	-	-	-	-	-
12-062	South	VA	Nottoway	AP-1 - 271.6	-	0.38	-	-	-	-	-	-	-
12-063	South	VA	Nottoway	AP-1 - 271.7	2.29	5.54	-	-	-	-	-	-	-
12-064	South	VA	Nottoway	AP-1 - 272.1	-	1.00	-	-	-	-	-	-	-
12-065	South	VA	Nottoway	AP-1 - 272.2	0.09	5.32	-	-	-	-	-	-	-
12-066	South	VA	Nottoway	OFFLINE	0.06	-	-	-	-	-	-	-	-
12-066.5	South	VA	Nottoway	AP-1 - 272.6	-	0.78	-	-	-	-	-	-	-
12-067	South	VA	Nottoway	AP-1 - 272.6	-	0.14	-	-	-	-	-	-	-
12-068	South	VA	Nottoway	AP-1 - 272.8	-	0.68	-	-	-	-	-	-	-
14-053-C001.CY	South	VA	Brunswick	AP-1 - 308.0	-	-	-	-	-	-	-	-	-
14-054-A001.CY	South	VA	Brunswick	AP-1 - 307.0	-	-	-	-	-	-	-	-	-
15-011-A001	South	VA	Greensville	AP-1 - 317.7	-	-	-	-	-	-	-	-	-
15-075	South	VA	Greensville	AP-1 - 333.5	-	-	-	-	-	-	-	-	-
16-001	South	NC	Northampton	AP-1 - 333.6	-	-	-	-	X	X	40.15	-	-
16-002	South	NC	Northampton	AP-2 - 0.7	-	-	-	-	X	X	2.84	-	-
16-003	South	NC	Northampton	AP-2 - 0.9	-	-	-	-	X	X	11.97	-	-
16-006	South	NC	Northampton	AP-2 - 1.9	-	-	-	-	X	X	7.62	-	-
16-007	South	NC	Northampton	AP-2 - 2.4	-	-	-	-	X	-	0.60	-	-
16-008	South	NC	Northampton	AP-2 - 3.1	-	-	-	-	X	-	3.74	-	-
16-008-A001	South	NC	Northampton	AP-2 - 2.6	-	-	-	-	X	X	6.56	-	-
16-011	South	NC	Northampton	AP-2 - 3.1	-	-	-	-	X	X	5.01	-	-
16-012	South	NC	Northampton	AP-2 - 3.5	-	-	-	-	X	-	1.06	-	-
16-013	South	NC	Northampton	AP-2 - 3.5	-	-	-	-	X	X	8.98	-	-
16-014	South	NC	Northampton	AP-2 - 4.2	-	-	-	-	X	-	0.86	-	-
16-015	South	NC	Northampton	AP-2 - 4.3	-	-	-	-	X	-	9.20	-	-
16-015-A001	South	NC	Northampton	AP-2 - 5.1	-	-	-	-	X	X	2.46	-	-
16-017	South	NC	Northampton	AP-2 - 4.8	-	-	-	-	X	-	2.93	-	-
16-017-A001	South	NC	Northampton	AP-2 - 5.9	-	-	-	-	X	X	11.88	-	-
16-017-A002	South	NC	Northampton	AP-2 - 6.1	-	-	-	-	X	X	5.12	-	-
16-017-A003	South	NC	Northampton	AP-2 - 6.4	-	-	-	-	-	X	0.60	-	-
16-017-A004	South	NC	Northampton	AP-2 - 6.4	-	-	-	-	-	-	1.22	-	-
16-027	South	NC	Northampton	OFFLINE	-	-	-	-	-	-	0.18	-	-
16-027-A001	South	NC	Northampton	AP-2 - 6.5	-	-	-	-	X	X	2.78	-	-
16-027-A002	South	NC	Northampton	AP-2 - 6.7	-	-	-	-	X	-	1.53	-	-
16-027-A003	South	NC	Northampton	AP-2 - 6.8	-	-	-	-	X	-	1.29	-	-
16-027-A004	South	NC	Northampton	AP-2 - 6.9	-	-	-	-	X	-	2.22	-	-
16-033	South	NC	Northampton	AP-2 - 7	-	-	-	-	X	-	3.79	-	-
16-034	South	NC	Northampton	AP-2 - 7.3	-	-	-	-	X	-	0.60	-	-
16-035	South	NC	Northampton	AP-2 - 7.3	-	-	-	-	X	-	0.67	-	-
16-036	South	NC	Northampton	AP-2 - 7.7	-	-	-	-	X	X	6.09	-	-
16-037	South	NC	Northampton	AP-2 - 7.6	-	-	-	-	X	X	1.76	-	-
16-038	South	NC	Northampton	AP-2 - 7.9	-	-	-	-	X	-	0.66	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
16-039	South	NC	Northampton	AP-2 - 7.9	-	-	-	-	X	-	3.70	-
16-042	South	NC	Northampton	AP-2 - 8.3	-	-	-	-	X	-	11.87	-
16-043	South	NC	Northampton	AP-2 - 8.6	-	-	-	-	X	X	4.25	-
16-043-A001.AR	South	NC	Northampton	AP-2 - 8.7	-	-	-	-	-	-	-	-
16-043-A002.AR	South	NC	Northampton	AP-2 - 8.4	-	-	-	-	-	-	-	-
16-043-A003.AR	South	NC	Northampton	AP-2 - 8.4	-	-	-	-	-	-	-	-
16-043-A004.AR	South	NC	Northampton	AP-2 - 8.4	-	-	-	-	-	-	-	-
16-044	South	NC	Northampton	AP-2 - 8.9	-	-	-	-	X	X	3.06	-
16-045	South	NC	Northampton	AP-2 - 9.1	-	-	-	-	X	-	3.35	-
16-046	South	NC	Northampton	AP-2 - 9.3	-	-	-	-	X	-	2.15	-
16-047	South	NC	Northampton	AP-2 - 9.4	-	-	-	-	-	X	5.89	-
16-049	South	NC	Northampton	AP-3 - 0.6	-	0.11	-	-	-	-	-	-
16-050	South	NC	Northampton	AP-3 - 0.7	0.33	3.19	-	-	-	-	-	-
16-051	South	NC	Northampton	AP-3 - 1.2	1.82	0.41	-	-	-	-	-	-
16-052	South	NC	Northampton	AP-3 - 1.1	0.33	-	-	-	-	-	-	-
16-053	South	NC	Northampton	AP-3 - 1.3	-	0.27	-	-	-	-	-	-
16-054	South	NC	Northampton	AP-3 - 1.4	0.14	0.46	-	-	-	-	-	-
16-055	South	NC	Northampton	AP-3 - 1.4	1.07	1.43	-	-	-	-	-	-
16-056	South	NC	Northampton	AP-3 - 1.7	-	2.24	-	-	-	-	-	-
16-057	South	NC	Northampton	AP-3 - 1.9	-	0.46	-	-	-	-	-	-
16-058	South	NC	Northampton	AP-3 - 2.5	0.08	2.89	-	-	-	-	-	-
16-059	South	NC	Northampton	AP-3 - 2.6	0.27	0.63	-	-	-	-	-	-
16-060	South	NC	Northampton	AP-3 - 2.9	0.80	0.78	-	-	-	-	-	-
16-061	South	NC	Northampton	AP-3 - 3.1	-	0.28	-	-	-	-	-	-
16-063	South	NC	Northampton	AP-3 - 3.4	0.42	1.36	-	-	-	-	-	-
16-064	South	NC	Northampton	AP-3 - 3.9	0.61	0.16	-	-	-	-	-	-
16-065	South	NC	Northampton	AP-3 - 4.6	-	-	-	-	-	-	-	-
16-066	South	NC	Northampton	AP-3 - 4.4	0.05	-	-	-	-	-	-	-
16-067	South	NC	Northampton	AP-3 - 4.4	-	-	-	-	-	-	-	-
16-068	South	NC	Northampton	AP-3 - 4.5	-	1.09	-	-	-	-	-	-
16-073	South	NC	Northampton	AP-3 - 5.9	-	-	-	-	-	-	-	-
16-074	South	NC	Northampton	AP-3 - 6.3	-	-	-	-	-	-	-	-
16-075	South	NC	Northampton	AP-3 - 6.5	-	-	-	-	-	-	-	-
16-078	South	NC	Northampton	AP-3 - 7.5	0.75	0.34	-	-	-	-	-	-
16-085	South	NC	Northampton	AP-3 - 9.2	-	-	-	-	-	-	-	-
16-086	South	NC	Northampton	AP-3 - 9.9	-	-	-	-	-	-	-	-
16-088	South	NC	Northampton	AP-3 - 10.1	0.02	1.40	-	-	-	-	-	-
16-088-A001.AR	South	NC	Northampton	AP-3 - 11.3	-	-	-	-	-	-	-	-
16-089	South	NC	Northampton	AP-3 - 10.7	1.15	0.14	-	-	-	-	-	-
16-090	South	NC	Northampton	AP-3 - 11	-	-	-	-	-	-	-	-
16-092	South	NC	Northampton	AP-3 - 11.8	-	-	-	-	-	-	-	-
17-001	South	NC	Halifax	AP-2 - 10.7	-	3.73	-	-	-	-	-	-
17-002	South	NC	Halifax	AP-2 - 10.3	-	-	-	-	-	-	-	-
17-003	South	NC	Halifax	AP-2 - 10.8	-	9.25	-	-	-	-	-	-
17-004	South	NC	Halifax	AP-2 - 11.8	-	7.54	-	-	-	-	-	-
17-005	South	NC	Halifax	AP-2 - 12.3	-	0.17	-	-	-	-	-	-
17-006	South	NC	Halifax	AP-2 - 12.3	-	-	-	-	X	X	21.18	-
17-006-A001	South	NC	Halifax	AP-2 - 13.8	-	-	-	-	-	-	0.96	-
17-006-A002	South	NC	Halifax	AP-2 - 13.7	-	-	-	-	-	-	0.71	-
17-006-A003	South	NC	Halifax	AP-2 - 13.7	-	-	-	-	-	-	0.91	-
17-011	South	NC	Halifax	AP-2 - 13.8	-	-	-	-	-	-	0.43	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
17-013	South	NC	Halifax	AP-2 - 14.3	-	-	-	-	-	-	-	0.51	-
17-014	South	NC	Halifax	AP-2 - 13.9	-	-	-	-	-	-	-	4.77	-
17-015	South	NC	Halifax	AP-2 - 14.3	-	-	-	-	-	-	-	0.43	-
17-015-A003.AR	South	NC	Halifax	AP-2 - 14.7	-	-	-	-	-	-	-	-	-
17-016	South	NC	Halifax	AP-2 - 14.3	-	-	-	-	-	-	-	3.35	-
17-017	South	NC	Halifax	AP-2 - 14.5	-	-	-	-	-	-	-	3.04	-
17-017-A001	South	NC	Halifax	AP-2 - 14.8	-	0.87	-	-	-	-	-	-	-
17-017-A002.AR	South	NC	Halifax	AP-2 - 14.6	-	-	-	-	-	-	-	-	-
17-018	South	NC	Halifax	AP-2 - 14.2	-	-	-	-	-	-	-	0.13	-
17-020	South	NC	Halifax	AP-2 - 14.7	-	0.99	-	-	-	-	-	0.88	-
17-021	South	NC	Halifax	AP-2 - 15.3	-	0.65	-	-	-	-	-	3.34	-
17-023	South	NC	Halifax	AP-2 - 15.3	-	5.42	-	-	-	-	-	-	-
17-025	South	NC	Halifax	AP-2 - 15.8	-	11.27	-	-	-	-	-	-	-
17-026	South	NC	Halifax	AP-2 - 16.6	-	0.41	-	-	-	-	-	-	-
17-027	South	NC	Halifax	AP-2 - 16.8	-	0.84	-	-	-	-	-	-	-
17-028	South	NC	Halifax	AP-2 - 17.4	-	-	-	-	-	-	-	-	-
17-028-A001	South	NC	Halifax	AP-2 - 16.9	-	5.30	-	-	-	-	-	-	-
17-031	South	NC	Halifax	AP-2 - 17.9	-	-	-	-	-	-	-	1.42	-
17-032	South	NC	Halifax	AP-2 - 18	-	-	-	-	-	-	-	3.07	-
17-033	South	NC	Halifax	AP-2 - 18.2	-	-	-	-	-	-	-	4.33	-
17-034	South	NC	Halifax	AP-2 - 18.6	-	-	-	-	-	-	-	1.21	-
17-035	South	NC	Halifax	AP-2 - 18.7	-	-	-	-	-	-	-	51.31	-
17-036	South	NC	Halifax	AP-2 - 19	-	-	-	-	-	-	-	3.36	-
17-037	South	NC	Halifax	AP-2 - 19.2	-	-	-	-	-	-	-	7.13	-
17-038	South	NC	Halifax	AP-2 - 19.6	-	-	-	-	-	-	-	5.89	-
17-039	South	NC	Halifax	AP-2 - 20.1	-	-	-	-	-	-	-	6.89	-
17-040	South	NC	Halifax	AP-2 - 20.7	-	-	-	-	-	-	-	2.71	-
17-041	South	NC	Halifax	AP-2 - 21	-	-	-	-	-	X	-	5.33	-
17-042	South	NC	Halifax	AP-2 - 22.2	-	-	-	-	-	-	-	7.13	-
17-044	South	NC	Halifax	AP-2 - 22	-	-	-	-	-	-	-	2.31	-
17-045	South	NC	Halifax	AP-2 - 22.2	-	-	-	-	-	-	-	1.11	-
17-046	South	NC	Halifax	AP-2 - 22.3	-	-	-	-	-	-	-	-	-
17-047	South	NC	Halifax	AP-2 - 22.3	-	-	-	-	-	-	-	0.76	-
17-048	South	NC	Halifax	AP-2 - 22.4	-	-	-	-	-	-	-	4.23	-
17-050	South	NC	Halifax	AP-2 - 23	-	-	-	-	-	-	X	11.46	-
17-051	South	NC	Halifax	AP-2 - 23.6	-	-	-	-	-	-	-	-	-
17-052	South	NC	Halifax	AP-2 - 23.7	-	-	-	-	-	-	-	-	-
17-052.1	South	NC	Halifax	OFFLINE	-	-	-	-	-	-	-	-	-
17-054	South	NC	Halifax	AP-2 - 23.9	-	-	-	-	-	-	-	3.10	-
17-057	South	NC	Halifax	AP-2 - 24.1	-	-	-	-	-	-	-	1.36	-
17-058	South	NC	Halifax	AP-2 - 24.2	-	-	-	-	-	-	-	1.30	-
17-059	South	NC	Halifax	OFFLINE	-	-	-	-	-	-	-	0.16	-
17-060	South	NC	Halifax	AP-2 - 24.3	-	-	-	-	-	-	-	2.99	-
17-062	South	NC	Halifax	AP-2 - 24.5	-	-	-	-	-	-	-	7.57	-
17-063	South	NC	Halifax	AP-2 - 25.1	-	-	-	-	-	-	-	3.39	-
17-064	South	NC	Halifax	AP-2 - 25.5	-	-	-	-	-	-	-	2.72	-
17-066	South	NC	Halifax	AP-2 - 25.4	-	-	-	-	-	-	-	0.50	-
17-067	South	NC	Halifax	AP-2 - 25.5	-	-	-	-	-	-	-	0.16	-
17-068	South	NC	Halifax	AP-2 - 25.5	-	-	-	-	-	-	-	-	-
17-071	South	NC	Halifax	AP-2 - 25.7	-	-	-	-	-	-	-	1.41	-
17-072	South	NC	Halifax	AP-2 - 25.8	-	-	-	-	-	-	-	0.75	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
17-073	South	NC	Halifax	AP-2 - 25.8	-	-	-	-	-	-	0.11	-
17-075	South	NC	Halifax	AP-2 - 25.9	-	-	-	-	-	-	-	-
17-076	South	NC	Halifax	AP-2 - 26.2	-	-	-	-	-	-	-	-
17-077	South	NC	Halifax	AP-2 - 26.2	-	-	-	-	-	-	-	-
17-079	South	NC	Halifax	AP-2 - 26.4	-	0.93	-	-	-	-	-	-
17-080	South	NC	Halifax	AP-2 - 26.6	-	-	-	-	-	-	-	-
17-081	South	NC	Halifax	AP-2 - 26.7	-	-	-	-	-	-	-	-
17-083	South	NC	Halifax	AP-2 - 27.1	-	-	-	-	-	-	-	-
17-084	South	NC	Halifax	AP-2 - 27	-	-	-	-	-	-	-	-
17-085	South	NC	Halifax	AP-2 - 27.2	-	1.72	-	-	-	-	-	-
17-086	South	NC	Halifax	AP-2 - 27.7	-	1.22	-	-	-	-	-	-
17-088	South	NC	Halifax	AP-2 - 28.6	-	-	-	-	-	-	1.79	-
17-089	South	NC	Halifax	AP-2 - 27.9	-	-	-	-	-	-	8.05	-
17-090	South	NC	Halifax	AP-2 - 28.7	-	-	-	-	-	-	3.31	-
17-091	South	NC	Halifax	AP-2 - 28.8	-	-	-	-	-	-	2.66	-
17-092	South	NC	Halifax	AP-2 - 29	-	-	-	-	-	-	4.45	-
17-093	South	NC	Halifax	AP-2 - 29.3	-	-	-	-	-	-	1.91	-
17-094	South	NC	Halifax	AP-2 - 29.4	-	-	-	-	-	-	1.82	-
17-094-A001	South	NC	Halifax	OFFLINE	-	-	-	-	-	-	0.37	-
17-095	South	NC	Halifax	AP-2 - 29.6	-	-	-	-	-	-	3.94	-
17-096	South	NC	Halifax	AP-2 - 29.9	-	-	-	-	-	-	10.25	-
17-097	South	NC	Halifax	AP-2 - 30.6	-	-	-	-	-	-	2.64	-
17-098	South	NC	Halifax	AP-2 - 30.8	-	-	-	-	-	-	2.50	-
17-099	South	NC	Halifax	AP-2 - 30.9	-	-	-	-	-	-	2.39	-
17-100	South	NC	Halifax	AP-2 - 31.1	-	-	-	-	-	-	1.37	-
17-101	South	NC	Halifax	AP-2 - 31.2	-	-	-	-	-	-	3.62	-
17-102	South	NC	Halifax	AP-2 - 31.4	-	-	-	-	-	-	4.29	-
17-103	South	NC	Halifax	AP-2 - 31.7	-	-	-	-	-	-	3.70	-
17-105	South	NC	Halifax	AP-2 - 32	-	-	-	-	-	-	2.81	-
17-106	South	NC	Halifax	AP-2 - 32.1	-	-	-	-	-	-	6.06	-
17-107	South	NC	Halifax	AP-2 - 32.5	-	-	-	-	-	-	16.41	-
17-108	South	NC	Halifax	AP-2 - 33.6	-	-	-	-	-	-	5.05	-
17-109	South	NC	Halifax	AP-2 - 33.9	-	-	-	-	-	-	0.74	-
17-110	South	NC	Halifax	AP-2 - 34	-	-	-	-	-	-	3.46	-
18-001	South	NC	Nash	AP-2 - 35.2	-	-	-	-	-	-	12.29	-
18-001-A001.AR	South	NC	Nash	AP-2 - 34.7	-	-	-	-	-	-	-	-
18-002	South	NC	Nash	AP-2 - 35.1	-	-	-	-	-	-	1.40	-
18-003-A001	South	NC	Nash	AP-2 - 35.7	-	-	-	-	-	-	11.28	-
18-004	South	NC	Nash	AP-2 - 35.4	-	-	-	-	-	-	3.82	-
18-005	South	NC	Nash	AP-2 - 35.6	-	-	-	-	-	-	0.69	-
18-006	South	NC	Nash	AP-2 - 36.5	-	-	-	-	-	-	6.30	-
18-007	South	NC	Nash	AP-2 - 36.9	-	2.14	-	-	-	-	-	-
18-008	South	NC	Nash	AP-2 - 37.4	-	1.99	-	-	-	-	3.32	-
18-009	South	NC	Nash	AP-2 - 37.5	-	0.89	-	-	-	-	0.46	-
18-010	South	NC	Nash	AP-2 - 37.6	-	-	-	-	-	-	1.08	-
18-012	South	NC	Nash	AP-2 - 37.7	-	-	-	-	-	-	0.56	-
18-013	South	NC	Nash	AP-2 - 37.7	-	-	-	-	-	-	6.33	-
18-014	South	NC	Nash	AP-2 - 38.1	-	-	-	-	-	-	3.00	-
18-015	South	NC	Nash	AP-2 - 38.4	-	1.03	-	-	-	-	0.60	-
18-016	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-017	South	NC	Nash	AP-2 - 38.5	-	2.83	-	-	-	-	-	-



**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
18-019	South	NC	Nash	AP-2 - 38.7	-	0.74	-	-	-	-	-	-	-
18-020	South	NC	Nash	AP-2 - 38.7	-	6.05	-	-	-	-	-	-	-
18-023	South	NC	Nash	AP-2 - 39.2	-	2.01	-	-	-	-	-	-	-
18-024	South	NC	Nash	AP-2 - 39.3	-	1.73	-	-	-	-	-	-	-
18-025	South	NC	Nash	AP-2 - 39.5	-	3.89	-	-	-	-	-	-	-
18-026	South	NC	Nash	AP-2 - 39.8	-	1.84	-	-	-	-	-	0.65	-
18-027	South	NC	Nash	AP-2 - 40	-	-	-	-	-	-	-	0.90	-
18-029	South	NC	Nash	AP-2 - 40.2	-	2.06	-	-	-	-	-	1.11	-
18-031	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-	-
18-032	South	NC	Nash	AP-2 - 40.1	-	-	-	-	-	-	-	0.02	-
18-033	South	NC	Nash	AP-2 - 40.2	-	-	-	-	-	-	-	-	-
18-034	South	NC	Nash	AP-2 - 40.4	-	0.56	-	-	-	-	-	-	-
18-035	South	NC	Nash	AP-2 - 40.4	-	1.38	-	-	-	-	-	-	-
18-036	South	NC	Nash	AP-2 - 40.5	-	1.13	-	-	-	-	-	1.20	-
18-036-A001	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-	-
18-037	South	NC	Nash	AP-2 - 40.7	-	-	-	-	-	-	-	0.00	-
18-038	South	NC	Nash	AP-2 - 41	-	-	-	-	-	-	-	-	-
18-039	South	NC	Nash	AP-2 - 41.1	-	-	-	-	-	-	-	-	-
18-041	South	NC	Nash	AP-2 - 41.2	-	-	-	-	-	-	-	-	-
18-042	South	NC	Nash	AP-2 - 41.4	-	3.53	-	-	-	-	-	-	-
18-042-A001	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-	-
18-043	South	NC	Nash	AP-2 - 41.4	-	0.23	-	-	-	-	-	-	-
18-045	South	NC	Nash	AP-2 - 41.6	-	6.34	-	-	-	-	-	-	-
18-047	South	NC	Nash	AP-2 - 42.1	-	2.57	-	-	-	-	-	-	-
18-048	South	NC	Nash	AP-2 - 42.3	-	1.35	-	-	-	-	-	-	-
18-049	South	NC	Nash	AP-2 - 42.4	-	-	-	-	-	-	-	-	-
18-051	South	NC	Nash	AP-2 - 42.6	-	-	-	-	-	-	-	-	-
18-052	South	NC	Nash	AP-2 - 42.6	-	-	-	-	-	-	-	-	-
18-054	South	NC	Nash	AP-2 - 42.9	-	-	-	-	-	-	-	-	-
18-055	South	NC	Nash	AP-2 - 43	-	-	-	-	-	-	-	-	-
18-056	South	NC	Nash	AP-2 - 43	-	-	-	-	-	-	-	-	-
18-058	South	NC	Nash	AP-2 - 43.2	-	-	-	-	-	-	-	-	-
18-058-A001	South	NC	Nash	AP-2 - 43.6	-	-	-	-	-	-	-	-	-
18-058-A003	South	NC	Nash	AP-2 - 43.7	-	-	-	-	-	-	-	-	-
18-058-A004	South	NC	Nash	AP-2 - 43.7	-	2.48	-	-	-	-	-	-	-
18-058-A005	South	NC	Nash	AP-2 - 44.2	-	0.06	-	-	-	-	-	-	-
18-058-A006	South	NC	Nash	AP-2 - 44.6	-	0.25	-	-	-	-	-	-	-
18-058-A007	South	NC	Nash	AP-2 - 44.8	-	1.60	-	-	-	-	-	-	-
18-058-A009	South	NC	Nash	AP-2 - 44.9	-	0.65	-	-	-	-	-	-	-
18-058-A009.1	South	NC	Nash	AP-2 - 45	-	0.05	-	-	-	-	-	-	-
18-058-A010	South	NC	Nash	AP-2 - 45.5	-	1.52	-	-	-	-	-	-	-
18-058-A014	South	NC	Nash	AP-2 - 45.4	-	-	-	-	-	-	-	-	-
18-058-A015	South	NC	Nash	AP-2 - 45.4	-	-	-	-	-	-	-	-	-
18-058-A017	South	NC	Nash	AP-2 - 45.6	-	0.71	-	-	-	-	-	-	-
18-058-A018	South	NC	Nash	AP-2 - 46	-	0.91	-	-	-	-	-	-	-
18-058-A019	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-	-
18-058-A020	South	NC	Nash	AP-2 - 46.1	-	1.78	-	-	-	-	-	-	-
18-071	South	NC	Nash	AP-2 - 45.9	-	0.74	-	-	-	-	-	-	-
18-073	South	NC	Nash	AP-2 - 46.3	-	-	-	-	-	-	-	-	-
18-074	South	NC	Nash	AP-2 - 46.5	-	-	-	-	-	-	-	-	-
18-075	South	NC	Nash	AP-2 - 46.6	-	-	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
18-075.1	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-076	South	NC	Nash	AP-2 - 46.7	-	-	-	-	-	-	-	-
18-077	South	NC	Nash	AP-2 - 46.9	-	-	-	-	-	-	-	-
18-080	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-081	South	NC	Nash	AP-2 - 47	-	0.24	-	-	-	-	-	-
18-082	South	NC	Nash	AP-2 - 47.1	-	0.34	-	-	-	-	-	-
18-083	South	NC	Nash	AP-2 - 47.4	-	6.06	-	-	-	-	-	-
18-085	South	NC	Nash	AP-2 - 48.1	-	-	-	-	-	-	-	-
18-086	South	NC	Nash	AP-2 - 48.1	-	-	-	-	-	-	-	-
18-087	South	NC	Nash	AP-2 - 48.1	-	-	-	-	-	-	-	-
18-089	South	NC	Nash	AP-2 - 48.2	-	-	-	-	-	-	-	-
18-090	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-091	South	NC	Nash	AP-2 - 48.5	-	-	-	-	-	-	-	-
18-092	South	NC	Nash	AP-2 - 48.6	-	-	-	-	-	-	-	-
18-094	South	NC	Nash	AP-2 - 48.9	-	-	-	-	-	-	-	-
18-096	South	NC	Nash	AP-2 - 49.4	-	0.05	-	-	-	-	-	-
18-097	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-099	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-100	South	NC	Nash	AP-2 - 49.6	-	3.91	-	-	-	-	-	-
18-101	South	NC	Nash	AP-2 - 50	-	-	-	-	-	-	6.34	-
18-103	South	NC	Nash	AP-2 - 50.4	-	-	-	-	-	-	-	-
18-104	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-105	South	NC	Nash	AP-2 - 50.7	-	0.64	-	-	-	-	-	-
18-106	South	NC	Nash	AP-2 - 50.8	-	-	-	-	-	-	-	-
18-107	South	NC	Nash	AP-2 - 51	-	-	-	-	-	-	-	-
18-108	South	NC	Nash	AP-2 - 51	-	-	-	-	-	-	-	-
18-109	South	NC	Nash	AP-2 - 51.1	-	-	-	-	-	-	-	-
18-110	South	NC	Nash	AP-2 - 51.3	-	-	-	-	-	-	-	-
18-111	South	NC	Nash	AP-2 - 51.4	-	-	-	-	-	-	2.51	-
18-113	South	NC	Nash	AP-2 - 51.6	-	-	-	-	-	-	2.50	-
18-114	South	NC	Nash	AP-2 - 51.8	-	1.57	-	-	-	-	-	-
18-122	South	NC	Nash	AP-2 - 52.1	-	0.18	-	-	-	-	-	-
18-123	South	NC	Nash	AP-2 - 52.8	-	2.92	-	-	-	-	5.03	-
18-127	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-128	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-130	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-133	South	NC	Nash	AP-2 - 53	-	-	-	-	-	-	0.28	-
18-135	South	NC	Nash	AP-2 - 53.1	-	-	-	-	-	-	-	-
18-136	South	NC	Nash	AP-2 - 53.2	-	-	-	-	-	-	-	-
18-137	South	NC	Nash	AP-2 - 53.2	-	-	-	-	-	-	-	-
18-139	South	NC	Nash	AP-2 - 53.5	-	-	-	-	-	-	-	-
18-140	South	NC	Nash	AP-2 - 53.6	-	-	-	-	-	-	-	-
18-141	South	NC	Nash	AP-2 - 53.7	-	0.64	-	-	-	-	-	-
18-142	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-143	South	NC	Nash	AP-2 - 54	-	2.55	-	-	-	-	-	-
18-144	South	NC	Nash	AP-2 - 54.2	-	3.14	-	-	-	-	-	-
18-145	South	NC	Nash	AP-2 - 54.4	-	1.00	-	-	-	-	-	-
18-147	South	NC	Nash	AP-2 - 54.6	-	1.06	-	-	-	-	-	-
18-148	South	NC	Nash	AP-2 - 54.7	-	1.10	-	-	-	-	-	-
18-149	South	NC	Nash	AP-2 - 55	-	0.66	-	-	-	-	-	-
18-150	South	NC	Nash	AP-2 - 55	-	2.33	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
18-151	South	NC	Nash	AP-2 - 55.3	-	-	-	-	-	-	-	-
18-152	South	NC	Nash	AP-2 - 55.3	-	-	-	-	-	-	-	-
18-153	South	NC	Nash	AP-2 - 55.4	-	1.10	-	-	-	-	3.13	-
18-154	South	NC	Nash	AP-2 - 55.8	-	-	-	-	-	-	1.87	-
18-155	South	NC	Nash	AP-2 - 55.9	-	-	-	-	-	-	2.04	-
18-156	South	NC	Nash	AP-2 - 56.1	-	-	-	-	-	-	2.08	-
18-157	South	NC	Nash	AP-2 - 56	-	-	-	-	-	-	0.49	-
18-158	South	NC	Nash	AP-2 - 56.2	-	2.52	-	-	-	-	0.87	-
18-160	South	NC	Nash	AP-2 - 56.7	-	1.49	-	-	-	-	-	-
18-161	South	NC	Nash	AP-2 - 56.9	-	0.17	-	-	-	-	-	-
18-162	South	NC	Nash	AP-2 - 56.9	-	0.88	-	-	-	-	-	-
18-163	South	NC	Nash	AP-2 - 57	-	0.98	-	-	-	-	-	-
18-164	South	NC	Nash	AP-2 - 57.3	-	2.53	-	-	-	-	-	-
18-166	South	NC	Nash	AP-2 - 57.3	-	0.20	-	-	-	-	-	-
18-168	South	NC	Nash	AP-2 - 57.4	-	0.58	-	-	-	-	-	-
18-170	South	NC	Nash	AP-2 - 57.5	-	0.55	-	-	-	-	-	-
18-172	South	NC	Nash	AP-2 - 57.5	-	0.96	-	-	-	-	-	-
18-174	South	NC	Nash	AP-2 - 57.7	-	-	-	-	-	-	-	-
18-175	South	NC	Nash	AP-2 - 57.8	-	-	-	-	-	-	-	-
18-176	South	NC	Nash	AP-2 - 57.9	-	-	-	-	-	-	-	-
18-177	South	NC	Nash	AP-2 - 58.2	-	-	-	-	-	-	-	-
18-179	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-180-A001	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-180-A002	South	NC	Nash	AP-2 - 58.6	-	0.70	-	-	-	-	-	-
18-180-A003	South	NC	Nash	AP-2 - 58.6	-	0.31	-	-	-	-	-	-
18-180-A004	South	NC	Nash	AP-2 - 58.7	-	0.12	-	-	-	-	-	-
18-180-A005	South	NC	Nash	OFFLINE	-	-	-	-	-	-	-	-
18-181	South	NC	Nash	AP-2 - 58.7	-	0.56	-	-	-	-	-	-
18-182-A001	South	NC	Nash	AP-2 - 58.7	-	1.05	-	-	-	-	-	-
18-182-A002	South	NC	Nash	AP-2 - 58.8	-	2.19	-	-	-	-	-	-
18-182-B002	South	NC	Nash	AP-2 - 59	-	2.82	-	-	-	-	-	-
18-194	South	NC	Nash	AP-2 - 59.4	-	0.72	-	-	X	-	8.96	-
18-196	South	NC	Nash	AP-2 - 60.1	-	-	-	-	X	X	4.79	-
18-197	South	NC	Nash	AP-2 - 60.7	-	-	-	-	-	-	9.55	-
18-198	South	NC	Nash	AP-2 - 61	-	-	-	-	-	-	0.22	-
18-199	South	NC	Nash	AP-2 - 61.2	-	2.37	-	-	-	-	1.70	-
18-200	South	NC	Nash	AP-2 - 61.4	-	0.85	-	-	-	-	6.37	-
18-202	South	NC	Nash	AP-2 - 61.9	-	0.14	-	-	-	-	-	-
18-203	South	NC	Nash	AP-2 - 61.9	-	1.14	-	-	-	-	-	-
18-205	South	NC	Nash	AP-2 - 62.3	-	-	-	-	-	-	-	-
22-009	South	NC	Cumberland	AP-2 - 126.7	-	-	-	-	-	-	2.31	-
22-011	South	NC	Cumberland	AP-2 - 126.5	-	-	-	-	-	-	5.54	-
22-013	South	NC	Cumberland	AP-2 - 126.9	-	-	-	-	-	-	1.17	-
22-014	South	NC	Cumberland	AP-2 - 127	-	-	-	-	-	-	1.17	-
22-016	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	0.02	-
22-017	South	NC	Cumberland	AP-2 - 127.1	-	-	-	-	-	-	2.02	-
22-020	South	NC	Cumberland	AP-2 - 127.2	-	-	-	-	-	-	2.79	-
22-022	South	NC	Cumberland	AP-2 - 127.4	-	-	-	-	-	-	4.07	-
22-025	South	NC	Cumberland	AP-2 - 127.7	-	-	-	-	-	-	1.40	-
22-033-A001	South	NC	Cumberland	AP-2 - 127.8	-	-	-	-	-	-	2.04	-
22-035	South	NC	Cumberland	AP-2 - 128	-	-	-	-	-	-	10.19	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
22-036	South	NC	Cumberland	AP-2 - 128.2	-	-	-	-	-	-	-	5.84	-
22-038	South	NC	Cumberland	AP-2 - 128.6	-	-	-	-	-	-	-	2.11	-
22-039	South	NC	Cumberland	AP-2 - 128.7	-	-	-	-	-	-	-	4.57	-
22-044	South	NC	Cumberland	AP-2 - 129.1	-	-	-	-	-	-	-	9.07	-
22-061	South	NC	Cumberland	AP-2 - 131	-	-	-	-	-	-	-	2.94	-
22-062	South	NC	Cumberland	AP-2 - 131.3	-	-	-	-	-	-	-	0.19	-
22-063	South	NC	Cumberland	AP-2 - 131.3	-	-	-	-	-	-	-	4.52	-
22-064	South	NC	Cumberland	AP-2 - 131.6	-	-	-	-	-	-	-	3.39	-
22-065	South	NC	Cumberland	AP-2 - 131.8	-	-	-	-	-	-	-	2.10	-
22-066	South	NC	Cumberland	AP-2 - 132.6	-	-	-	-	-	-	-	6.91	-
22-066-A001	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-067	South	NC	Cumberland	AP-2 - 132.4	-	-	-	-	-	-	-	3.75	-
22-068	South	NC	Cumberland	AP-2 - 132.7	-	-	-	-	-	-	-	2.22	-
22-069	South	NC	Cumberland	AP-2 - 132.9	-	-	-	-	-	-	-	3.01	-
22-070	South	NC	Cumberland	AP-2 - 133.1	-	-	-	-	-	-	-	5.56	-
22-074	South	NC	Cumberland	AP-2 - 133.6	-	-	-	-	-	-	-	0.71	-
22-077	South	NC	Cumberland	AP-2 - 133.6	-	-	-	-	-	-	-	1.51	-
22-078	South	NC	Cumberland	AP-2 - 133.7	-	-	-	-	-	-	-	0.77	-
22-079	South	NC	Cumberland	AP-2 - 133.8	-	-	-	-	-	-	-	0.82	-
22-080	South	NC	Cumberland	AP-2 - 133.9	-	-	-	-	-	-	-	5.93	-
22-081	South	NC	Cumberland	AP-2 - 133.9	-	-	-	-	-	-	-	0.15	-
22-082	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	0.12	-
22-083	South	NC	Cumberland	AP-2 - 134.3	-	-	-	-	-	-	-	10.09	-
22-084	South	NC	Cumberland	AP-2 - 134.6	-	-	-	-	-	-	-	0.38	-
22-085	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A001	South	NC	Cumberland	AP-2 - 134.7	-	-	-	-	-	-	-	3.56	-
22-085-A002	South	NC	Cumberland	AP-2 - 134.9	-	-	-	-	-	-	-	3.88	-
22-085-A003	South	NC	Cumberland	AP-2 - 135.1	-	4.56	-	-	-	-	-	-	-
22-085-A006	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A007	South	NC	Cumberland	AP-2 - 135.6	-	0.44	-	-	-	-	-	-	-
22-085-A009	South	NC	Cumberland	AP-2 - 135.7	-	1.05	-	-	-	-	-	2.81	-
22-085-A012	South	NC	Cumberland	AP-2 - 136.1	-	-	-	-	-	-	-	3.96	-
22-085-A014	South	NC	Cumberland	AP-2 - 136.4	-	-	-	-	-	-	-	2.78	-
22-085-A016	South	NC	Cumberland	AP-2 - 136.5	-	-	-	-	-	-	-	6.67	-
22-085-A017	South	NC	Cumberland	AP-2 - 136.9	-	-	-	-	-	-	-	1.87	-
22-085-A018	South	NC	Cumberland	AP-2 - 137.1	-	0.76	-	-	-	-	-	-	-
22-085-A019	South	NC	Cumberland	AP-2 - 137.1	-	-	-	-	-	-	-	-	-
22-085-A020	South	NC	Cumberland	AP-2 - 137.2	-	0.12	-	-	-	-	-	-	-
22-085-A021	South	NC	Cumberland	AP-2 - 137.3	-	0.43	-	-	-	-	-	-	-
22-085-A023	South	NC	Cumberland	AP-2 - 137.4	-	-	-	-	-	-	-	-	-
22-085-A024	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A027	South	NC	Cumberland	AP-2 - 137.5	-	-	-	-	-	-	-	-	-
22-085-A029	South	NC	Cumberland	AP-2 - 137.6	-	-	-	-	-	-	-	6.58	-
22-085-A049	South	NC	Cumberland	AP-2 - 142.3	-	-	-	-	-	-	-	-	-
22-085-A050	South	NC	Cumberland	AP-2 - 142.6	-	4.97	-	-	-	-	-	-	-
22-085-A051	South	NC	Cumberland	AP-2 - 143.1	-	1.22	-	-	-	-	-	-	-
22-085-A052	South	NC	Cumberland	AP-2 - 143.2	-	1.46	-	-	-	-	-	-	-
22-085-A053	South	NC	Cumberland	AP-2 - 143.4	-	0.18	-	-	-	-	-	-	-
22-085-A054	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A056	South	NC	Cumberland	AP-2 - 143.4	-	1.71	-	-	-	-	-	-	-
22-085-A057	South	NC	Cumberland	AP-2 - 143.6	-	1.66	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
22-085-A057.1	South	NC	Cumberland	AP-2 - 143.7	-	0.53	-	-	-	-	-	-	-
22-085-A058	South	NC	Cumberland	AP-2 - 143.8	-	2.76	-	-	-	-	-	-	-
22-085-A059	South	NC	Cumberland	AP-2 - 143.8	-	0.25	-	-	-	-	-	-	-
22-085-A073	South	NC	Cumberland	AP-2 - 145.6	-	1.46	-	-	-	-	-	-	-
22-085-A074	South	NC	Cumberland	AP-2 - 145.7	-	2.70	-	-	-	-	-	-	-
22-085-A075	South	NC	Cumberland	AP-2 - 146.2	-	2.84	-	-	-	-	-	-	-
22-085-A076.AR	South	NC	Cumberland	AP-2 - 146.1	-	-	-	-	-	-	-	-	-
22-085-A077	South	NC	Cumberland	AP-2 - 146.2	-	0.06	-	-	-	-	-	-	-
22-085-A078	South	NC	Cumberland	AP-2 - 146.3	-	-	-	-	-	-	-	-	-
22-085-A079	South	NC	Cumberland	AP-2 - 146.6	-	-	-	-	-	-	-	1.99	-
22-085-A080	South	NC	Cumberland	AP-2 - 146.8	-	-	-	-	-	-	-	1.74	-
22-085-A082	South	NC	Cumberland	AP-2 - 146.9	-	-	-	-	-	-	-	3.89	-
22-085-A083	South	NC	Cumberland	AP-2 - 147.2	-	-	-	-	-	-	-	-	-
22-085-A084	South	NC	Cumberland	AP-2 - 147.3	-	-	-	-	-	-	-	-	-
22-085-A085	South	NC	Cumberland	AP-2 - 147.3	-	-	-	-	-	-	-	-	-
22-085-A094	South	NC	Cumberland	AP-2 - 148.9	-	0.50	-	-	-	-	-	-	-
22-085-A096	South	NC	Cumberland	AP-2 - 148.9	-	-	-	-	-	-	-	-	-
22-085-A097	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A098	South	NC	Cumberland	AP-2 - 149	-	-	-	-	-	-	-	-	-
22-085-A099	South	NC	Cumberland	AP-2 - 149.4	-	4.04	-	-	-	-	-	-	-
22-085-A101	South	NC	Cumberland	AP-2 - 149.4	-	0.50	-	-	-	-	-	-	-
22-085-A102	South	NC	Cumberland	AP-2 - 149.5	-	1.01	-	-	-	-	-	-	-
22-085-A103	South	NC	Cumberland	AP-2 - 149.6	-	1.15	-	-	-	-	-	-	-
22-085-A105	South	NC	Cumberland	AP-2 - 149.7	-	1.73	-	-	-	-	-	-	-
22-085-A106	South	NC	Cumberland	AP-2 - 149.8	-	2.78	-	-	-	-	-	-	-
22-085-A107	South	NC	Cumberland	AP-2 - 150.1	-	3.14	-	-	-	-	-	-	-
22-085-A108	South	NC	Cumberland	AP-2 - 150.3	-	0.47	-	-	-	-	-	-	-
22-085-A109	South	NC	Cumberland	AP-2 - 150.4	-	-	-	-	-	-	-	2.98	-
22-085-A111	South	NC	Cumberland	AP-2 - 150.7	-	-	-	-	-	-	-	0.73	-
22-085-A113	South	NC	Cumberland	AP-2 - 150.7	-	-	-	-	-	-	-	-	-
22-085-A114	South	NC	Cumberland	AP-2 - 150.8	-	-	-	-	-	-	-	-	-
22-085-A115	South	NC	Cumberland	AP-2 - 150.8	-	-	-	-	-	-	-	-	-
22-085-A116	South	NC	Cumberland	AP-2 - 150.9	-	-	-	-	-	-	-	0.12	-
22-085-A117	South	NC	Cumberland	AP-2 - 150.9	-	-	-	-	-	-	-	0.67	-
22-085-A119	South	NC	Cumberland	AP-2 - 150.9	-	-	-	-	-	-	-	4.17	-
22-085-A121	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	0.24	-
22-085-A122	South	NC	Cumberland	AP-2 - 151.2	-	-	-	-	-	-	-	-	-
22-085-A123	South	NC	Cumberland	AP-2 - 152	-	-	-	-	-	-	-	6.83	-
22-085-A125	South	NC	Cumberland	AP-2 - 152.7	-	-	-	-	-	-	-	0.82	-
22-085-A126	South	NC	Cumberland	AP-2 - 152.8	-	-	-	-	-	-	-	1.61	-
22-085-A127	South	NC	Cumberland	AP-2 - 152.9	-	-	-	-	-	-	-	9.59	-
22-085-A130	South	NC	Cumberland	AP-2 - 153.5	-	-	-	-	-	-	-	4.35	-
22-085-A131	South	NC	Cumberland	AP-2 - 154.9	-	0.53	-	-	-	-	-	3.07	-
22-085-A132	South	NC	Cumberland	AP-2 - 154.4	-	-	-	-	-	-	-	-	-
22-085-A133	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A134	South	NC	Cumberland	AP-2 - 155	-	1.73	-	-	-	-	-	-	-
22-085-A135	South	NC	Cumberland	AP-2 - 155.2	-	4.12	-	-	-	-	-	-	-
22-085-A136	South	NC	Cumberland	AP-2 - 156	-	5.35	-	-	-	-	-	0.69	-
22-085-A137	South	NC	Cumberland	AP-2 - 155.5	-	2.16	-	-	-	-	-	-	-
22-085-A138	South	NC	Cumberland	OFFLINE	-	0.25	-	-	-	-	-	-	-
22-085-A141	South	NC	Cumberland	AP-2 - 156.2	-	4.03	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
22-085-A142	South	NC	Cumberland	AP-2 - 156.5	-	2.20	-	-	-	-	-	-	-
22-085-A143	South	NC	Cumberland	AP-2 - 156.7	-	6.26	-	-	-	-	-	-	-
22-085-A144	South	NC	Cumberland	AP-2 - 157.4	-	0.93	-	-	-	-	-	-	-
22-085-A145	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A146	South	NC	Cumberland	AP-2 - 157.5	-	1.46	-	-	-	-	-	-	-
22-085-A147	South	NC	Cumberland	AP-2 - 157.7	-	0.50	-	-	-	-	-	-	-
22-085-A148	South	NC	Cumberland	AP-2 - 157.9	-	-	-	-	-	-	-	-	-
22-085-A149	South	NC	Cumberland	AP-2 - 158.1	-	-	-	-	-	-	-	-	-
22-085-A152	South	NC	Cumberland	OFFLINE	-	0.06	-	-	-	-	-	-	-
22-085-A153	South	NC	Cumberland	AP-2 - 158.2	-	1.46	-	-	-	-	-	-	-
22-085-A154	South	NC	Cumberland	AP-2 - 158.4	-	-	-	-	-	-	-	-	-
22-085-A155	South	NC	Cumberland	AP-2 - 158.4	-	0.23	-	-	-	-	-	-	-
22-085-A156	South	NC	Cumberland	AP-2 - 158.4	-	0.19	-	-	-	-	-	-	-
22-085-A157	South	NC	Cumberland	AP-2 - 158.4	0.08	0.11	-	-	-	-	-	-	-
22-085-A158	South	NC	Cumberland	AP-2 - 158.5	0.19	-	-	-	-	-	-	-	-
22-085-A159	South	NC	Cumberland	AP-2 - 158.5	1.04	-	-	-	-	-	-	-	-
22-085-A160	South	NC	Cumberland	AP-2 - 158.6	1.06	-	-	-	-	-	-	-	-
22-085-A163	South	NC	Cumberland	AP-2 - 158.6	0.94	-	-	-	-	-	-	-	-
22-085-A164	South	NC	Cumberland	AP-2 - 158.7	0.02	0.22	-	-	-	-	-	-	-
22-085-A165	South	NC	Cumberland	AP-2 - 158.8	0.08	0.71	-	-	-	-	-	-	-
22-085-A166	South	NC	Cumberland	AP-2 - 158.8	-	0.47	-	-	-	-	-	-	-
22-085-A167	South	NC	Cumberland	AP-2 - 158.8	-	0.41	-	-	-	-	-	-	-
22-085-A168	South	NC	Cumberland	AP-2 - 158.9	-	1.63	-	-	-	-	-	-	-
22-085-A169	South	NC	Cumberland	AP-2 - 159	-	2.93	-	-	-	-	-	-	-
22-085-A171	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	-	-
22-085-A172	South	NC	Cumberland	OFFLINE	-	-	-	-	-	-	-	0.12	-
22-085-A173	South	NC	Cumberland	AP-2 - 159.3	-	0.32	-	-	-	-	-	3.65	-
22-085-A187	South	NC	Cumberland	AP-2 - 160	-	1.08	-	-	-	-	-	-	X
22-085-A188	South	NC	Cumberland	AP-2 - 159.8	-	-	-	-	-	-	-	-	X
22-085-A189	South	NC	Cumberland	AP-2 - 160	-	-	-	-	-	-	-	-	-
22-085-A191	South	NC	Cumberland	AP-2 - 160	-	0.86	-	-	-	-	-	1.88	X
22-085-A192.AR	South	NC	Cumberland	AP-2 - 146.2	-	-	-	-	-	-	-	-	-
22-085-A193.AR	South	NC	Cumberland	AP-2 - 146.2	-	-	-	-	-	-	-	-	-
22-375	South	NC	Cumberland	AP-2 - 160.3	-	0.30	-	-	-	-	-	4.15	-
22-377	South	NC	Cumberland	AP-2 - 160.7	-	1.08	-	-	-	-	-	0.65	-
22-378	South	NC	Cumberland	AP-2 - 160.8	-	-	-	-	-	-	-	3.10	-
22-379	South	NC	Cumberland	AP-2 - 161	-	-	-	-	-	-	-	1.97	-
22-381	South	NC	Cumberland	AP-2 - 161.1	-	-	-	-	-	-	-	2.11	-
22-390	South	NC	Cumberland	AP-2 - 162.4	-	-	-	-	-	-	-	-	-
22-391	South	NC	Cumberland	AP-2 - 162.5	-	1.00	-	-	-	-	-	-	-
22-395	South	NC	Cumberland	AP-2 - 162.6	-	-	-	-	-	-	-	0.56	-
22-397	South	NC	Cumberland	AP-2 - 162.9	-	0.95	-	-	-	-	-	2.23	-
22-399	South	NC	Cumberland	AP-2 - 163.1	-	6.23	-	-	-	-	-	-	-
22-400	South	NC	Cumberland	AP-2 - 163.7	-	0.58	-	-	-	-	-	-	-
24-001	South	NC	Robeson	AP-2 - 163.8	-	-	-	-	-	-	-	-	-
24-002	South	NC	Robeson	AP-2 - 164	-	-	-	-	-	-	-	-	-
24-003	South	NC	Robeson	AP-2 - 164.1	-	-	-	-	-	-	-	-	-
24-004	South	NC	Robeson	AP-2 - 164.4	-	1.39	-	-	-	-	-	-	-
24-005	South	NC	Robeson	AP-2 - 164.6	-	4.08	-	-	-	-	-	-	-
24-006	South	NC	Robeson	AP-2 - 164.9	-	0.18	-	-	-	-	-	3.32	-
24-007	South	NC	Robeson	AP-2 - 165.3	-	1.92	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemain	Justificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
24-008	South	NC	Robeson	AP-2 - 165.5	-	-	-	-	-	-	-	-	-
24-010	South	NC	Robeson	AP-2 - 166	-	0.77	-	-	-	-	-	-	-
24-011	South	NC	Robeson	OFFLINE	-	0.09	-	-	-	-	-	-	-
24-011-A001	South	NC	Robeson	AP-2 - 166.8	-	2.84	-	-	-	-	-	-	-
24-012	South	NC	Robeson	AP-2 - 167	-	-	-	-	-	-	-	-	-
24-015	South	NC	Robeson	AP-2 - 167.2	-	0.81	-	-	-	-	-	-	-
24-016	South	NC	Robeson	AP-2 - 168.2	-	-	-	-	-	-	-	-	-
24-018	South	NC	Robeson	AP-2 - 168.5	-	6.53	-	-	-	-	-	-	-
24-022	South	NC	Robeson	AP-2 - 169.1	-	5.06	-	-	-	-	-	-	-
24-024	South	NC	Robeson	AP-2 - 169.6	-	4.00	-	-	-	-	-	-	-
24-025	South	NC	Robeson	AP-2 - 169.9	-	0.22	-	-	-	-	-	-	-
24-025.1	South	NC	Robeson	AP-2 - 170	-	-	-	-	-	-	-	-	-
24-026	South	NC	Robeson	OFFLINE	-	-	-	-	-	-	-	-	-
24-027	South	NC	Robeson	AP-2 - 170.5	-	-	-	-	-	-	-	-	-
24-030	South	NC	Robeson	AP-2 - 171.2	-	1.92	-	-	-	-	-	-	-
24-033	South	NC	Robeson	AP-2 - 171.9	-	2.59	-	-	-	-	-	-	-
24-034	South	NC	Robeson	AP-2 - 172.9	1.73	6.88	-	-	-	-	-	-	-
24-038	South	NC	Robeson	AP-2 - 173.2	-	-	-	-	-	-	-	-	-
24-039	South	NC	Robeson	AP-2 - 173.5	-	1.01	-	-	-	-	-	-	-
24-040	South	NC	Robeson	AP-2 - 173.6	-	1.28	-	-	-	-	-	-	-
24-041	South	NC	Robeson	AP-2 - 174.6	-	8.60	-	-	-	-	-	-	-
24-043	South	NC	Robeson	AP-2 - 174.8	-	5.52	-	-	-	-	-	-	-
24-044	South	NC	Robeson	AP-2 - 175.7	-	2.85	-	-	-	-	-	-	-
24-046	South	NC	Robeson	AP-2 - 176	-	0.60	-	-	-	-	-	-	-
24-048	South	NC	Robeson	AP-2 - 176.1	-	1.89	-	-	-	-	-	-	-
24-049	South	NC	Robeson	AP-2 - 177	-	6.01	-	-	-	-	-	-	-
24-050	South	NC	Robeson	AP-2 - 176.3	-	3.18	-	-	-	-	-	-	-
24-051	South	NC	Robeson	AP-2 - 177.7	-	-	-	-	-	-	-	-	-
24-054	South	NC	Robeson	AP-2 - 178.2	-	4.89	-	-	-	-	-	-	-
24-054-A001	South	NC	Robeson	OFFLINE	-	-	-	-	-	-	-	-	-
24-056	South	NC	Robeson	AP-2 - 178.3	-	-	-	-	-	-	-	-	-
24-057	South	NC	Robeson	AP-2 - 178.4	-	1.52	-	-	-	-	-	-	-
24-058	South	NC	Robeson	AP-2 - 178.5	-	1.89	-	-	-	-	-	-	-
24-060	South	NC	Robeson	AP-2 - 178.8	-	2.85	-	-	-	-	-	-	-
24-061	South	NC	Robeson	AP-2 - 179.1	-	0.73	-	-	-	-	-	-	-
24-062	South	NC	Robeson	AP-2 - 179.4	-	0.91	-	-	-	-	-	-	-
24-063	South	NC	Robeson	AP-2 - 179.5	-	2.52	-	-	-	-	-	-	-
24-065	South	NC	Robeson	AP-2 - 179.8	-	1.59	-	-	-	-	-	-	-
24-072	South	NC	Robeson	AP-2 - 181	-	0.76	-	-	-	-	-	-	-
24-072-A001	South	NC	Robeson	AP-2 - 181.2	-	0.77	-	-	-	-	-	-	-
24-073-A002	South	NC	Robeson	AP-2 - 181.7	-	-	-	-	-	-	-	-	-
24-073-A003	South	NC	Robeson	AP-2 - 181.7	-	-	-	-	-	-	-	-	-
24-073-A004	South	NC	Robeson	AP-2 - 181.8	-	-	-	-	-	-	-	-	-
24-073-A006	South	NC	Robeson	AP-2 - 181.9	-	0.71	-	-	-	-	-	-	-
24-073-A008	South	NC	Robeson	AP-2 - 182	-	0.38	-	-	-	-	-	-	-
24-073-A011	South	NC	Robeson	AP-2 - 182	-	-	-	-	-	-	-	-	-
24-073-A012	South	NC	Robeson	OFFLINE	-	-	-	-	-	-	-	-	-
24-073-A013	South	NC	Robeson	AP-2 - 182.1	-	1.09	-	-	-	-	-	-	-
24-073-A014	South	NC	Robeson	AP-2 - 182.2	-	0.39	-	-	-	-	-	-	-
24-073-A015	South	NC	Robeson	OFFLINE	-	-	-	-	-	-	-	-	-
24-073-A016	South	NC	Robeson	AP-2 - 182.2	-	0.13	-	-	-	-	-	-	-

**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
24-074	South	NC	Robeson	AP-2 - 182.3	-	-	-	-	-	-	-	-
24-076	South	NC	Robeson	AP-2 - 182.4	-	-	-	-	-	-	-	-
24-081	South	NC	Robeson	AP-2 - 183.4	-	0.70	-	-	-	-	-	-
24-083	South	NC	Robeson	AP-2 - 183.5	-	0.12	-	-	-	-	-	-
24-085	South	NC	Robeson	AP-2 - 183.6	-	7.91	-	-	-	-	-	-
24-088	South	NC	Robeson	OFFLINE	-	-	-	-	-	-	-	-
24-096	South	NC	Robeson	AP-2 - 184.6	-	-	-	-	-	-	-	-
24-097	South	NC	Robeson	AP-2 - 184.9	-	-	-	-	-	-	-	-
24-099	South	NC	Robeson	AP-2 - 185.1	-	1.32	-	-	-	-	-	-
24-100	South	NC	Robeson	AP-2 - 185.5	-	-	-	-	-	-	-	-
24-101	South	NC	Robeson	AP-2 - 185.4	-	-	-	-	-	-	-	-
24-102	South	NC	Robeson	AP-2 - 185.6	-	0.06	-	-	-	-	-	-
24-103	South	NC	Robeson	AP-2 - 185.8	-	0.52	-	-	-	-	-	-
24-104	South	NC	Robeson	AP-2 - 185.8	-	0.41	-	-	-	-	-	-
24-105	South	NC	Robeson	AP-2 - 185.9	-	0.19	-	-	-	-	-	-
24-106	South	NC	Robeson	AP-2 - 185.9	-	-	-	-	-	-	-	-
24-108	South	NC	Robeson	AP-2 - 185.9	-	-	-	-	-	-	-	-
24-109-A001	South	NC	Robeson	AP-2 - 186.2	-	-	-	-	-	-	-	-
25-073	South	VA	Southampton	AP-3 - 29.4	-	1.64	-	-	-	-	-	-
25-074	South	VA	Southampton	AP-3 - 29.7	-	1.91	-	-	-	-	-	-
25-075	South	VA	Southampton	AP-3 - 30	-	2.70	-	-	-	-	-	-
25-078	South	VA	Southampton	AP-3 - 30.4	-	0.17	-	-	-	-	-	-
25-079	South	VA	Southampton	AP-3 - 30.9	-	-	-	-	-	-	-	-
25-079.AR1	South	VA	Southampton	AP-3 - 31.9	-	-	-	-	-	-	-	-
25-079.AR2	South	VA	Southampton	AP-3 - 31.9	-	-	-	-	-	-	-	-
25-084	South	VA	Southampton	AP-3 - 33	-	0.47	-	-	-	-	-	-
25-084.AR1	South	VA	Southampton	AP-3 - 33.1	-	-	-	-	-	-	-	-
25-084.AR2	South	VA	Southampton	AP-3 - 33.1	-	-	-	-	-	-	-	-
25-084.AR4	South	VA	Southampton	AP-3 - 33.1	-	-	-	-	-	-	-	-
25-085	South	VA	Southampton	AP-3 - 33.1	-	0.54	-	-	-	-	-	-
25-088	South	VA	Southampton	AP-3 - 33.3	-	3.69	-	-	-	-	-	-
25-089-A001.CY	South	VA	Southampton	AP-3 - 32.8	-	-	-	-	-	-	-	-
25-095	South	VA	Southampton	AP-3 - 36	-	4.28	-	-	-	-	-	-
26-001	South	VA	Suffolk	AP-3 - 38.8	-	4.85	-	-	-	-	-	-
26-002	South	VA	Suffolk	AP-3 - 39.3	-	-	-	-	-	-	-	-
26-060-A067	South	VA	Suffolk	AP-3 - 62	-	3.39	-	-	-	-	-	-
26-060-A068	South	VA	Suffolk	AP-3 - 62.5	-	0.78	-	-	-	-	-	-
26-060-A070.AR	South	VA	Suffolk	AP-3 - 62.5	-	-	-	-	-	-	-	-
26-060-A073	South	VA	Suffolk	AP-3 - 63.1	-	-	-	-	-	-	-	-
26-060-A074	South	VA	Suffolk	AP-3 - 63.3	-	-	-	-	-	-	-	-
26-060-A077	South	VA	Suffolk	AP-3 - 63.8	-	0.87	-	-	-	-	-	-
26-060-A077.5.AR1	South	VA	Suffolk	AP-3 - 63.9	-	-	-	-	-	-	-	-
36-010.AR1	North	VA	Bath	AP-1 - 114	-	-	-	-	-	-	-	-
36-016.AR.G-1287b	North	VA	Bath	AP-1 - 118.5	-	-	-	-	-	-	-	-
36-016.AR.G-1287c	North	VA	Bath	AP-1 - 114.1	-	-	-	-	-	-	-	-
36-016.AR.G-1321e	North	VA	Bath	AP-1 - 114.1	-	-	-	-	-	-	-	-
36-016.G-1287b	North	VA	Bath	AP-1 - 118.5	-	-	-	-	-	-	-	-
36-016.G-1287C	North	VA	Bath	AP-1 - 114.1	-	-	-	-	-	-	-	-
36-016.G-1287C	North	VA	Bath	AP-1 - 114.1	-	-	-	-	-	-	-	-
36-016.G-1318a	North	VA	Bath	AP-1 - 114.4	-	-	-	-	-	-	-	-
36-016.G-1321e	North	VA	Bath	AP-1 - 114.4	-	-	-	-	-	-	-	-



**Table B-1  
Atlantic Coast Pipeline Restoration Project Work Scope**

AffectedTractNumber	Segment	State	County	MP_IN	ToBeFelled	FelledNotYetRemoved	TreesToRe	TreesToRemainJustificati	PipeInstalled	PipeStrung	FullRestoration	Plantings
36-016.G-1340b	North	VA	Bath	AP-1 - 119.3	-	-	-	-	-	-	-	-
36-016.G-1340d	North	VA	Bath	AP-1 - 118	-	-	-	-	-	-	-	-
36-016.G-1578	North	VA	Bath	AP-1 - 119.3	-	-	-	-	-	-	-	-
36-016.S-36	North	VA	Bath	AP-1 - 122.3	-	-	-	-	-	-	-	-
36-016.S-584	North	VA	Bath	AP-1 - 132	-	-	4.65	1 - USFS tract	-	-	-	-
36-075	North	VA	Bath	AP-1 - 127.8	-	-	2.16	3C, 3E, 3F	-	-	-	-
36-076	North	VA	Bath	AP-1 - 128.1	-	-	3.79	3C, 3E, 3F	-	-	-	-
36-077	North	VA	Bath	AP-1 - 128.3	-	-	1.82	3C, 3E, 3F	-	-	-	-
36-078	North	VA	Bath	AP-1 - 128.6	-	-	16.57	3C, 3E, 3F	-	-	-	-
36-081	North	VA	Bath	AP-1 - 130.2	-	-	-	-	-	-	-	-
36-082	North	VA	Bath	AP-1 - 131.2	-	4.06	-	-	-	-	-	-
36-083	North	VA	Bath	OFFLINE	-	0.06	-	-	-	-	-	-
36-084	North	VA	Bath	AP-1 - 131.5	-	1.88	-	-	-	-	-	-
36-085	North	VA	Bath	AP-1 - 131.6	-	2.59	-	-	-	-	-	-
36-086	North	VA	Bath	OFFLINE	-	0.48	-	-	-	-	-	-
36-089-X001	North	VA	Bath	AP-1 - 131.7	-	1.41	-	-	-	-	-	-
36-089-X002	North	VA	Bath	AP-1 - 131.8	-	0.93	-	-	-	-	-	-
36-089-X003	North	VA	Bath	AP-1 - 131.9	-	0.76	-	-	-	-	-	-
36-090	North	VA	Bath	AP-1 - 131.9	-	1.62	-	-	-	-	-	-
36-091	North	VA	Bath	AP-1 - 132.2	-	-	7.79	adjacent to USFS. 3A, 3C, 3E	-	-	-	-
36-093; 07-001-F001	North	VA	Bath	AP-1 - 133.1	-	-	3.63	adjacent to USFS. 3A, 3C, 3E	-	-	-	-
36-095	North	VA	Bath	AP-1 - 132.9	-	-	3.18	adjacent to USFS. 3A, 3C, 3E	-	-	-	-
84 SAT YARD 1 OF 2	North	WV	Pocahontas	AP -1 - 95.5	-	-	-	-	-	-	0.11	-
84 SAT YARD 2 OF 2	North	WV	<Null>	AP -1 - 95.5	-	-	-	-	-	-	7.89	-
BRUSHY FORK YARD	North	WV	Upshur	AP -1 - 25	-	-	-	-	-	-	28.02	-
ELKWATER YARD 1 OF 2	North	WV	Randolph	AP -1 - 64	-	-	-	-	-	-	20.53	-
ELKWATER YARD 2 OF 2	North	WV	Randolph	AP -1 - 64	-	-	-	-	-	-	3.54	-
ELKWATER YARD 3 OF 2	North	WV	Randolph	AP -1 - 64	-	-	-	-	-	-	7.84	-
EVELYNTIMBER.SY	South	NC	Halifax	AP-2 - 31.8	-	-	-	-	-	-	25.39	-
FROST YARD	North	WV	Pocahontas	AP -1 - 97	-	-	-	-	-	-	31.86	-
FROST YARD 2	North	WV	Pocahontas	AP -1 - 97	-	-	-	-	-	-	0.32	-
HAIR.1.CY	South	NC	Cumberland	AP-2 - 143.7	-	-	-	-	-	-	25.01	-
HAIR.2.CY	South	NC	Cumberland	AP-2 - 143.7	-	-	-	-	-	-	14.33	-
HUTTONSVILLE YARD	North	WV	Randolph	AP -1 - 52.5	-	-	-	-	-	-	20.44	-
MB YARD 1 OF 2	North	WV	Harrison	AP -1 - 14	-	-	-	-	-	-	28.61	-
MIKE ROSS SAT YARD	North	WV	Lewis	AP -1 - 10.5	-	-	-	-	-	-	0.00	-
POINT MOUNTAIN YARD	North	WV	Randolph	AP -1 -65	-	-	-	-	-	-	1.49	-
RB-001.AR1	North	VA	Rockbridge	AP-1 -181	-	-	-	-	-	-	-	-
RB-001.AR2	North	VA	Rockbridge	AP-1 -181	-	-	-	-	-	-	-	-
RB-001.CY	North	VA	Rockbridge	AP-1 -181	-	-	-	-	-	-	-	-

## **APPENDIX C**

### **ADDITIONAL TEMPORARY WORKSPACE FOR THE ACP RESTORATION PROJECT**

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-1	123+03	0.06	Y	Y
Temp ATWS	Spread 1-1	123+25	0.06	Y	Y
Temp ATWS	Spread 1-1	125+57	0.06	Y	Y
Temp ATWS	Spread 1-1	125+63	0.06	Y	Y
Temp ATWS	Spread 1-1	204+55	0.15	Y	Y
Temp ATWS	Spread 1-1	204+94	0.17	Y	Y
Temp ATWS	Spread 1-1	206+18	0.10	Y	Y
Temp ATWS	Spread 1-1	207+95	0.08	Y	Y
Temp ATWS	Spread 1-1	208+84	0.19	Y	Y
Temp ATWS	Spread 1-1	213+57	0.14	Y	Y
Temp ATWS	Spread 1-1	213+98	0.17	Y	Y
Temp ATWS	Spread 1-1	23+12	0.17	Y	Y
Temp ATWS	Spread 1-1	23+58	0.17	Y	Y
Temp ATWS	Spread 1-1	245+40	0.11	Y	Y
Temp ATWS	Spread 1-1	245+64	0.11	Y	Y
Temp ATWS	Spread 1-1	246+78	0.11	Y	Y
Temp ATWS	Spread 1-1	248+98	0.13	Y	Y
Temp ATWS	Spread 1-1	258+12	0.06	Y	Y
Temp ATWS	Spread 1-1	258+19	0.06	Y	Y
Temp ATWS	Spread 1-1	26+58	0.17	Y	Y
Temp ATWS	Spread 1-1	260+63	0.06	Y	Y
Temp ATWS	Spread 1-1	260+73	0.06	Y	Y
Temp ATWS	Spread 1-1	27+08	0.17	Y	Y
Temp ATWS	Spread 1-1	294+53	0.03	Y	Y
Temp ATWS	Spread 1-1	295+20	0.05	Y	Y
Temp ATWS	Spread 1-1	295+86	0.03	Y	Y
Temp ATWS	Spread 1-1	296+40	0.50	Y	Y
Temp ATWS	Spread 1-1	297+66	0.05	Y	Y
Temp ATWS	Spread 1-1	298+37	0.03	Y	Y
Temp ATWS	Spread 1-1	301+44	0.18	Y	Y
Temp ATWS	Spread 1-1	304+24	0.17	Y	Y
Temp ATWS	Spread 1-1	304+46	0.17	Y	Y
Temp ATWS	Spread 1-1	315+10	0.17	N	Y
Temp ATWS	Spread 1-1	319+59	0.19	N	Y
Temp ATWS	Spread 1-1	337+88	0.06	Y	Y
Temp ATWS	Spread 1-1	339+62	0.06	Y	Y
Temp TS	Spread 1-1	349+41	0.93	Y	Y
Temp ATWS	Spread 1-1	357+50	1.18	Y	Y
Temp TS	Spread 1-1	360+82	0.45	Y	Y
Temp ATWS	Spread 1-1	373+13	0.19	Y	Y
Temp ATWS	Spread 1-1	375+99	0.18	Y	Y
Temp ATWS	Spread 1-1	4+67	1.41	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-1	406+71	0.17	Y	Y
Temp ATWS	Spread 1-1	406+89	0.17	Y	Y
Temp TS	Spread 1-1	412+17	0.35	Y	N
Temp TS	Spread 1-1	417+00	0.22	Y	Y
Temp ATWS	Spread 1-1	425+85	0.19	Y	Y
Temp ATWS	Spread 1-1	425+92	0.19	Y	Y
Temp ATWS	Spread 1-1	429+62	0.17	Y	Y
Temp TS	Spread 1-1	435+44	0.27	Y	Y
Temp ATWS	Spread 1-1	439+29	0.17	Y	Y
Temp ATWS	Spread 1-1	440+89	0.12	Y	Y
Temp ATWS	Spread 1-1	442+32	0.17	Y	Y
Temp ATWS	Spread 1-1	442+60	0.16	Y	Y
Temp TS	Spread 1-1	476+26	0.25	Y	Y
Temp ATWS	Spread 1-1	478+95	0.15	Y	Y
Temp ATWS	Spread 1-1	479+14	0.17	Y	Y
Temp ATWS	Spread 1-1	483+40	0.10	Y	Y
Temp ATWS	Spread 1-1	484+30	0.02	Y	Y
Temp ATWS	Spread 1-1	489+56	0.16	Y	Y
Temp TS	Spread 1-1	49+78	0.07	Y	Y
Temp ATWS	Spread 1-1	490+66	0.18	Y	Y
Temp ATWS	Spread 1-1	491+95	0.03	Y	Y
Temp ATWS	Spread 1-1	494+30	0.17	Y	Y
Temp ATWS	Spread 1-1	495+34	0.16	Y	Y
Temp TS	Spread 1-1	498+76	0.33	Y	Y
Temp ATWS	Spread 1-1	502+77	0.15	Y	Y
Temp ATWS	Spread 1-1	504+80	0.22	Y	Y
Temp TS	Spread 1-1	507+69	0.27	Y	Y
Temp ATWS	Spread 1-1	509+93	0.12	Y	Y
Temp TS	Spread 1-1	52+94	0.18	Y	Y
Temp TS	Spread 1-1	521+29	1.11	Y	Y
Temp ATWS	Spread 1-1	533+66	0.17	Y	Y
Temp ATWS	Spread 1-1	534+94	0.17	Y	Y
Temp ATWS	Spread 1-1	536+82	0.17	Y	Y
Temp ATWS	Spread 1-1	538+95	0.17	Y	Y
Temp ATWS	Spread 1-1	541+51	0.36	Y	Y
Temp ATWS	Spread 1-1	546+91	0.27	Y	Y
Temp ATWS	Spread 1-1	548+54	0.11	Y	Y
Temp ATWS	Spread 1-1	55+38	0.16	Y	Y
Temp ATWS	Spread 1-1	55+79	0.18	Y	Y
Temp ATWS	Spread 1-1	57+01	0.11	Y	Y
Temp ATWS	Spread 1-1	57+26	0.07	Y	Y
Temp TS	Spread 1-1	571+80	0.33	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 1-1	585+83	1.04	Y	Y
Temp ATWS	Spread 1-1	60+20	0.17	Y	Y
Temp ATWS	Spread 1-1	60+27	0.17	Y	Y
Temp TS	Spread 1-1	609+53	0.36	Y	Y
Temp ATWS	Spread 1-1	613+37	0.07	Y	Y
Temp ATWS	Spread 1-1	614+32	0.18	Y	Y
Temp ATWS	Spread 1-1	614+59	0.08	Y	Y
Temp ATWS	Spread 1-1	617+74	0.17	Y	Y
Temp ATWS	Spread 1-1	619+14	0.17	Y	Y
Temp TS	Spread 1-1	623+30	0.63	Y	Y
Temp TS	Spread 1-1	635+29	0.62	Y	Y
Temp TS	Spread 1-1	64+03	0.09	Y	Y
Temp TS	Spread 1-1	645+99	0.32	Y	Y
Temp ATWS	Spread 1-1	649+96	0.16	Y	Y
Temp TS	Spread 1-1	652+06	0.13	Y	Y
Temp ATWS	Spread 1-1	653+92	0.17	Y	Y
Temp ATWS	Spread 1-1	656+12	0.20	Y	Y
Temp ATWS	Spread 1-1	658+91	0.19	Y	Y
Temp ATWS	Spread 1-1	659+86	0.17	Y	Y
Temp ATWS	Spread 1-1	663+00	0.31	Y	Y
Temp ATWS	Spread 1-1	665+87	0.17	Y	Y
Temp ATWS	Spread 1-1	665+95	0.17	Y	Y
Temp TS	Spread 1-1	677+38	1.15	Y	Y
Temp ATWS	Spread 1-1	689+81	0.39	Y	Y
Temp TS	Spread 1-1	689+81	0.20	Y	Y
Temp ATWS	Spread 1-1	713+76	4.49	Y	Y
Temp ATWS	Spread 1-1	72+91	0.58	Y	Y
Temp ATWS	Spread 1-1	721+20	0.32	Y	Y
Temp ATWS	Spread 1-1	721+36	0.16	N	Y
Temp ATWS	Spread 1-1	74+40	0.15	Y	Y
Temp ATWS	Spread 1-1	749+78	0.34	N	N
Temp ATWS	Spread 1-1	75+16	0.19	Y	Y
Temp ATWS	Spread 1-1	75+99	0.12	Y	Y
Temp ATWS	Spread 1-1	750+84	0.05	N	N
Temp ATWS	Spread 1-1	753+13	0.15	N	Y
Temp ATWS	Spread 1-1	754+67	0.16	Y	Y
Temp ATWS	Spread 1-1	754+92	0.17	Y	Y
Temp ATWS	Spread 1-1	758+45	0.09	Y	Y
Temp ATWS	Spread 1-1	758+52	0.07	Y	Y
Temp ATWS	Spread 1-1	76+70	0.09	Y	Y
Temp ATWS	Spread 1-1	760+78	0.17	Y	Y
Temp ATWS	Spread 1-1	762+07	0.17	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-1	773+66	0.17	Y	Y
Temp ATWS	Spread 1-1	777+30	0.18	Y	Y
Temp ATWS	Spread 1-1	778+91	0.17	Y	Y
Temp ATWS	Spread 1-1	780+61	0.18	Y	Y
Temp ATWS	Spread 1-1	782+66	1.09	Y	Y
Temp ATWS	Spread 1-1	783+29	0.13	Y	Y
Temp ATWS	Spread 1-1	784+69	0.19	Y	Y
Temp ATWS	Spread 1-1	784+69	0.19	Y	Y
Temp ATWS	Spread 1-1	787+66	0.37	Y	Y
Temp ATWS	Spread 1-1	788+49	0.05	Y	Y
Temp ATWS	Spread 1-1	789+46	0.17	Y	Y
Temp ATWS	Spread 1-1	789+83	0.17	Y	Y
Temp ATWS	Spread 1-1	79+04	0.17	Y	Y
Temp ATWS	Spread 1-1	79+40	0.17	Y	Y
Temp ATWS	Spread 1-1	792+39	2.33	Y	Y
Temp ATWS	Spread 1-1	800+44	0.12	Y	Y
Temp ATWS	Spread 1-1	800+83	0.17	Y	Y
Temp ATWS	Spread 1-1	801+47	0.01	Y	Y
Temp ATWS	Spread 1-1	803+84	0.17	Y	Y
Temp ATWS	Spread 1-1	804+45	0.15	Y	Y
Temp TS	Spread 1-1	811+65	0.14	Y	Y
Temp ATWS	Spread 1-1	813+49	0.17	Y	Y
Temp ATWS	Spread 1-1	813+61	0.17	Y	Y
Temp ATWS	Spread 1-1	814+96	0.07	Y	Y
Temp ATWS	Spread 1-1	817+71	0.17	Y	Y
Temp ATWS	Spread 1-1	818+20	0.18	Y	Y
Temp ATWS	Spread 1-1	827+27	0.08	Y	Y
Temp ATWS	Spread 1-1	830+13	0.44	Y	Y
Temp ATWS	Spread 1-1	845+67	0.84	Y	Y
Temp ATWS	Spread 1-1	855+67	0.16	Y	Y
Temp ATWS	Spread 1-1	857+26	0.17	Y	Y
Temp ATWS	Spread 1-1	861+79	0.17	Y	Y
Temp ATWS	Spread 1-1	862+01	0.17	Y	Y
Temp ATWS	Spread 1-1	866+14	0.16	Y	Y
Temp ATWS	Spread 1-1	869+49	0.46	Y	Y
Temp ATWS	Spread 1-1	90+32	1.16	Y	Y
Temp ATWS	Spread 1-1	901+58	0.16	Y	Y
Temp ATWS	Spread 1-1	902+18	0.08	Y	Y
Temp ATWS	Spread 1-1	905+13	0.18	N	Y
Temp ATWS	Spread 1-1	905+43	0.16	N	Y
Temp ATWS	Spread 1-1	906+31	0.12	N	Y
Temp TS	Spread 1-1	907+08	0.11	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-1	907+41	0.13	Y	Y
Temp ATWS	Spread 1-2	1003+95	0.54	Y	Y
Temp ATWS	Spread 1-2	1010+40	0.17	Y	Y
Temp TS	Spread 1-2	1036+00	0.43	Y	Y
Temp TS	Spread 1-2	1041+19	0.06	Y	Y
Temp ATWS	Spread 1-2	1041+54	0.06	Y	Y
Temp ATWS	Spread 1-2	1044+15	0.06	Y	Y
Temp ATWS	Spread 1-2	1044+75	0.05	Y	Y
Temp ATWS	Spread 1-2	1045+35	0.06	Y	Y
Temp ATWS	Spread 1-2	1047+85	0.06	Y	Y
Temp ATWS	Spread 1-2	1049+01	0.06	Y	Y
Temp ATWS	Spread 1-2	1049+66	0.15	Y	Y
Temp ATWS	Spread 1-2	1066+46	0.06	Y	Y
Temp ATWS	Spread 1-2	1066+74	0.06	Y	Y
Temp ATWS	Spread 1-2	1068+49	0.10	Y	Y
Temp ATWS	Spread 1-2	1069+54	0.06	Y	Y
Temp ATWS	Spread 1-2	1070+01	0.06	Y	Y
Temp ATWS	Spread 1-2	1075+63	0.30	Y	Y
Temp ATWS	Spread 1-2	1079+82	0.17	Y	Y
Temp ATWS	Spread 1-2	1080+28	0.18	Y	Y
Temp ATWS	Spread 1-2	1081+74	0.17	Y	Y
Temp ATWS	Spread 1-2	1082+40	0.18	Y	Y
Temp ATWS	Spread 1-2	1084+84	0.17	Y	Y
Temp ATWS	Spread 1-2	1086+28	0.18	Y	Y
Temp ATWS	Spread 1-2	1088+68	0.17	N	N
Temp TS	Spread 1-2	1200+61	0.31	N	N
Temp ATWS	Spread 1-2	1208+71	0.46	Y	Y
Temp ATWS	Spread 1-2	1209+77	0.22	Y	Y
Temp ATWS	Spread 1-2	1211+84	0.17	N	Y
Temp ATWS	Spread 1-2	1213+01	0.05	N	Y
Temp ATWS	Spread 1-2	1213+31	0.07	N	Y
Temp ATWS	Spread 1-2	1214+54	0.18	N	Y
Temp ATWS	Spread 1-2	1214+79	0.18	N	Y
Temp ATWS	Spread 1-2	1221+06	0.16	Y	Y
Temp ATWS	Spread 1-2	1221+11	0.17	Y	Y
Temp ATWS	Spread 1-2	1222+54	0.09	Y	Y
Temp ATWS	Spread 1-2	1222+61	0.08	Y	Y
Temp ATWS	Spread 1-2	1237+85	0.16	Y	Y
Temp ATWS	Spread 1-2	1238+47	0.19	Y	Y
Temp ATWS	Spread 1-2	1239+38	0.19	Y	Y
Temp ATWS	Spread 1-2	1240+12	0.16	Y	Y
Temp ATWS	Spread 1-2	1255+21	0.07	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-2	1255+58	0.07	Y	Y
Temp ATWS	Spread 1-2	1256+60	0.17	Y	Y
Temp ATWS	Spread 1-2	1257+01	0.17	Y	Y
Temp ATWS	Spread 1-2	1260+82	0.16	Y	Y
Temp ATWS	Spread 1-2	1260+92	0.18	Y	Y
Temp ATWS	Spread 1-2	1261+60	0.01	N	Y
Temp ATWS	Spread 1-2	1262+93	0.16	Y	Y
Temp ATWS	Spread 1-2	1269+17	0.37	Y	Y
Temp ATWS	Spread 1-2	1272+72	0.00	N	Y
Temp ATWS	Spread 1-2	1273+31	0.17	N	Y
Temp ATWS	Spread 1-2	1273+73	0.17	N	Y
Temp ATWS	Spread 1-2	1278+54	0.17	Y	Y
Temp ATWS	Spread 1-2	1278+64	0.15	Y	Y
Temp ATWS	Spread 1-2	1284+42	0.36	Y	Y
Temp ATWS	Spread 1-2	1288+25	0.17	N	Y
Temp ATWS	Spread 1-2	1291+08	0.17	N	Y
Temp ATWS	Spread 1-2	1292+36	0.15	N	Y
Temp ATWS	Spread 1-2	1296+15	0.17	N	Y
Temp ATWS	Spread 1-2	1296+56	0.17	N	Y
Temp TS	Spread 1-2	1299+65	0.25	Y	Y
Temp ATWS	Spread 1-2	1310+70	0.18	N	Y
Temp TS	Spread 1-2	1315+38	0.19	Y	Y
Temp ATWS	Spread 1-2	1325+83	0.00	Y	Y
Temp ATWS	Spread 1-2	1328+01	0.14	Y	Y
Temp ATWS	Spread 1-2	1330+00	0.17	N	Y
Temp ATWS	Spread 1-2	1330+51	0.17	Y	Y
Temp ATWS	Spread 1-2	1333+75	0.17	Y	Y
Temp ATWS	Spread 1-2	1334+52	0.17	Y	Y
Temp ATWS	Spread 1-2	1336+30	0.21	N	Y
Temp TS	Spread 1-2	1340+03	0.11	Y	Y
Temp TS	Spread 1-2	1342+09	0.10	Y	Y
Temp TS	Spread 1-2	1344+45	0.14	Y	Y
Temp TS	Spread 1-2	1347+22	0.14	Y	Y
Temp ATWS	Spread 1-2	1351+66	0.08	N	Y
Temp ATWS	Spread 1-2	1351+91	0.18	N	Y
Temp ATWS	Spread 1-2	1355+85	0.17	N	Y
Temp ATWS	Spread 1-2	1357+67	0.17	N	Y
Temp ATWS	Spread 1-2	1373+10	0.06	N	N
Temp ATWS	Spread 1-2	1374+13	0.11	N	Y
Temp ATWS	Spread 1-2	1376+82	0.17	N	Y
Temp ATWS	Spread 1-2	1377+93	0.48	Y	Y
Temp ATWS	Spread 1-2	1380+93	0.28	N	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-2	1384+56	0.15	N	Y
Temp ATWS	Spread 1-2	1389+13	0.49	N	Y
Temp ATWS	Spread 1-2	1393+66	0.16	N	Y
Temp ATWS	Spread 1-2	1394+50	0.18	Y	Y
Temp ATWS	Spread 1-2	1398+20	0.17	N	Y
Temp ATWS	Spread 1-2	1400+14	0.17	N	Y
Temp ATWS	Spread 1-2	1402+41	0.17	N	Y
Temp ATWS	Spread 1-2	1404+14	0.06	N	Y
Temp ATWS	Spread 1-2	1405+06	0.07	N	Y
Temp ATWS	Spread 1-2	1405+63	0.17	N	Y
Temp ATWS	Spread 1-2	1408+12	0.17	Y	Y
Temp ATWS	Spread 1-2	1409+11	0.17	Y	Y
Temp ATWS	Spread 1-2	1411+12	0.20	Y	Y
Temp ATWS	Spread 1-2	1416+84	0.26	N	N
Temp ATWS	Spread 1-2	1419+41	0.17	N	N
Temp ATWS	Spread 1-2	1419+48	0.17	N	N
Temp ATWS	Spread 1-2	1421+02	0.08	N	Y
Temp ATWS	Spread 1-2	1423+68	0.19	Y	Y
Temp ATWS	Spread 1-2	1435+89	0.06	Y	Y
Temp ATWS	Spread 1-2	1439+62	0.06	Y	Y
Temp ATWS	Spread 1-2	1439+99	0.06	N	Y
Temp ATWS	Spread 1-2	1441+91	0.06	Y	Y
Temp ATWS	Spread 1-2	1472+95	0.08	Y	Y
Temp ATWS	Spread 1-2	1487+61	0.20	Y	Y
Temp ATWS	Spread 1-2	1489+29	0.15	Y	Y
Temp ATWS	Spread 1-2	1490+71	0.38	Y	Y
Temp ATWS	Spread 1-2	1491+05	0.10	Y	Y
Temp ATWS	Spread 1-2	1494+67	0.17	Y	Y
Temp ATWS	Spread 1-2	1495+62	0.17	Y	Y
Temp ATWS	Spread 1-2	1510+85	0.06	Y	Y
Temp ATWS	Spread 1-2	1512+46	0.06	Y	Y
Temp ATWS	Spread 1-2	1512+74	0.06	Y	Y
Temp ATWS	Spread 1-2	1514+09	0.06	Y	Y
Temp ATWS	Spread 1-2	1522+02	1.01	Y	Y
Temp ATWS	Spread 1-2	1522+52	0.39	Y	Y
Temp ATWS	Spread 1-2	1525+92	0.19	N	Y
Temp ATWS	Spread 1-2	1527+45	0.10	N	Y
Temp ATWS	Spread 1-2	1529+87	0.15	N	Y
Temp ATWS	Spread 1-2	1531+48	0.17	N	Y
Temp ATWS	Spread 1-2	1533+21	0.11	N	Y
Temp ATWS	Spread 1-2	1534+54	0.23	N	Y
Temp ATWS	Spread 1-2	1534+92	0.17	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-2	1538+44	0.21	N	Y
Temp ATWS	Spread 1-2	1539+62	0.20	Y	Y
Temp ATWS	Spread 1-2	1541+00	0.19	Y	Y
Temp ATWS	Spread 1-2	1542+63	0.21	Y	Y
Temp ATWS	Spread 1-2	1542+96	0.18	Y	Y
Temp ATWS	Spread 1-2	1554+15	0.26	Y	Y
Temp ATWS	Spread 1-2	1557+04	0.07	Y	Y
Temp ATWS	Spread 1-2	1558+69	0.15	Y	Y
Temp ATWS	Spread 1-2	1567+49	0.17	Y	Y
Temp ATWS	Spread 1-2	1567+69	0.17	Y	Y
Temp ATWS	Spread 1-2	1583+99	0.69	N	N
Temp ATWS	Spread 1-2	1595+53	0.20	N	N
Temp ATWS	Spread 1-2	1598+08	0.21	N	N
Temp ATWS	Spread 1-2	1599+53	0.06	N	Y
Temp ATWS	Spread 1-2	1601+43	0.17	Y	Y
Temp ATWS	Spread 1-2	1602+00	0.04	N	Y
Temp ATWS	Spread 1-2	1602+92	0.05	Y	Y
Temp ATWS	Spread 1-2	1611+29	0.36	Y	Y
Temp ATWS	Spread 1-2	1615+20	0.17	Y	Y
Temp ATWS	Spread 1-2	1615+40	0.17	Y	Y
Temp ATWS	Spread 1-2	1619+32	0.18	Y	Y
Temp ATWS	Spread 1-2	1619+51	0.20	Y	Y
Temp ATWS	Spread 1-2	1627+84	0.20	Y	Y
Temp ATWS	Spread 1-2	1628+64	0.17	Y	Y
Temp ATWS	Spread 1-2	1634+06	0.16	N	N
Temp ATWS	Spread 1-2	1634+61	0.23	N	N
Temp ATWS	Spread 1-2	1636+58	0.23	Y	Y
Temp ATWS	Spread 1-2	1641+44	0.21	Y	Y
Temp ATWS	Spread 1-2	1648+10	0.27	Y	Y
Temp ATWS	Spread 1-2	1654+85	0.15	Y	Y
Temp ATWS	Spread 1-2	1654+92	0.17	N	N
Temp ATWS	Spread 1-2	1657+04	0.23	N	N
Temp ATWS	Spread 1-2	1657+45	0.15	N	N
Temp ATWS	Spread 1-2	1659+02	0.06	N	N
Temp ATWS	Spread 1-2	1659+04	0.05	N	N
Temp ATWS	Spread 1-2	911+19	0.69	Y	Y
Temp ATWS	Spread 1-2	914+81	2.27	Y	Y
Temp ATWS	Spread 1-2	916+52	1.50	Y	Y
Temp TS	Spread 1-2	944+70	0.26	Y	Y
Temp ATWS	Spread 1-2	948+94	0.19	Y	Y
Temp ATWS	Spread 1-2	949+73	0.17	Y	Y
Temp ATWS	Spread 1-2	952+17	0.17	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 1-2	953+69	0.17	Y	Y
Temp ATWS	Spread 1-2	953+80	0.17	Y	Y
Temp ATWS	Spread 1-2	970+15	0.18	Y	Y
Temp ATWS	Spread 1-2	971+57	0.05	Y	Y
Temp ATWS	Spread 1-2	986+18	0.11	Y	Y
Temp ATWS	Spread 1-2	989+59	0.33	Y	Y
Temp ATWS	Spread 1-2	993+31	0.48	Y	Y
Temp ATWS	Spread 1-2	995+04	0.10	Y	Y
Temp ATWS	Spread 1-2	996+16	0.04	Y	Y
Temp ATWS	Spread 1-2	997+30	0.05	Y	Y
Temp ATWS	Spread 2-1	1661+74	0.09	Y	Y
Temp ATWS	Spread 2-1	1661+79	0.09	Y	Y
Temp ATWS	Spread 2-1	1663+23	0.17	Y	Y
Temp ATWS	Spread 2-1	1663+28	0.17	Y	Y
Temp TS	Spread 2-1	1673+80	0.17	Y	Y
Temp ATWS	Spread 2-1	1676+33	4.98	Y	Y
Temp TS	Spread 2-1	1676+48	0.08	Y	Y
Temp ATWS	Spread 2-1	1677+57	0.59	Y	Y
Temp ATWS	Spread 2-1	1680+31	0.17	Y	Y
Temp ATWS	Spread 2-1	1680+38	0.51	Y	Y
Temp ATWS	Spread 2-1	1682+14	0.17	Y	Y
Temp ATWS	Spread 2-1	1684+43	0.17	Y	Y
Temp ATWS	Spread 2-1	1684+87	0.19	Y	Y
Temp ATWS	Spread 2-1	1727+94	0.17	Y	Y
Temp ATWS	Spread 2-1	1728+41	0.19	Y	Y
Temp ATWS	Spread 2-1	1729+73	0.07	Y	Y
Temp ATWS	Spread 2-1	1731+79	0.19	Y	Y
Temp ATWS	Spread 2-1	1732+91	0.16	Y	Y
Temp ATWS	Spread 2-1	1735+92	0.14	Y	Y
Temp ATWS	Spread 2-1	1735+98	0.17	Y	Y
Temp ATWS	Spread 2-1	1737+59	0.19	Y	Y
Temp TS	Spread 2-1	1744+72	0.08	Y	Y
Temp TS	Spread 2-1	1746+59	0.12	Y	Y
Temp TS	Spread 2-1	1750+47	0.16	Y	Y
Temp ATWS	Spread 2-1	1752+36	0.06	Y	Y
Temp ATWS	Spread 2-1	1754+04	0.06	Y	Y
Temp ATWS	Spread 2-1	1755+43	0.06	Y	Y
Temp ATWS	Spread 2-1	1756+65	0.06	Y	Y
Temp ATWS	Spread 2-1	1765+35	0.48	Y	Y
Temp ATWS	Spread 2-1	1765+94	0.06	Y	Y
Temp ATWS	Spread 2-1	1768+70	0.06	Y	Y
Temp ATWS	Spread 2-1	1769+93	0.14	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-1	1771+60	0.15	Y	Y
Temp TS	Spread 2-1	1772+20	0.18	Y	Y
Temp ATWS	Spread 2-1	1773+93	0.23	Y	Y
Temp TS	Spread 2-1	1782+61	0.09	Y	Y
Temp ATWS	Spread 2-1	1783+88	0.06	Y	Y
Temp ATWS	Spread 2-1	1784+79	0.06	Y	Y
Temp ATWS	Spread 2-1	1786+46	0.06	Y	Y
Temp ATWS	Spread 2-1	1786+98	0.06	Y	Y
Temp TS	Spread 2-1	1788+61	0.19	Y	Y
Temp ATWS	Spread 2-1	1801+86	0.17	Y	Y
Temp ATWS	Spread 2-1	1802+13	0.14	Y	Y
Temp ATWS	Spread 2-1	1803+42	0.01	Y	Y
Temp ATWS	Spread 2-1	1804+07	0.18	Y	Y
Temp ATWS	Spread 2-1	1804+24	0.11	Y	Y
Temp ATWS	Spread 2-1	1807+19	0.17	Y	Y
Temp ATWS	Spread 2-1	1807+19	0.17	Y	Y
Temp ATWS	Spread 2-1	1836+14	0.06	Y	Y
Temp ATWS	Spread 2-1	1836+84	0.14	Y	Y
Temp ATWS	Spread 2-1	1837+56	0.06	Y	Y
Temp ATWS	Spread 2-1	1887+75	0.09	Y	Y
Temp ATWS	Spread 2-1	1888+56	0.17	Y	Y
Temp ATWS	Spread 2-1	1888+69	0.04	Y	Y
Temp ATWS	Spread 2-1	1893+89	0.17	Y	Y
Temp ATWS	Spread 2-1	1894+11	0.17	Y	Y
Temp ATWS	Spread 2-1	1898+94	0.19	Y	Y
Temp ATWS	Spread 2-1	1901+87	0.21	Y	Y
Temp ATWS	Spread 2-1	1904+19	0.20	Y	Y
Temp ATWS	Spread 2-1	1907+55	0.21	Y	Y
Temp ATWS	Spread 2-1	1924+71	0.20	Y	Y
Temp ATWS	Spread 2-1	1925+38	0.17	Y	Y
Temp ATWS	Spread 2-1	1927+48	0.05	Y	Y
Temp ATWS	Spread 2-1	1928+77	0.17	Y	Y
Temp ATWS	Spread 2-1	1928+80	0.17	Y	Y
Temp TS	Spread 2-1	1939+95	0.08	Y	Y
Temp TS	Spread 2-1	1959+34	0.58	Y	Y
Temp TS	Spread 2-1	1963+35	0.11	N	N
Temp ATWS	Spread 2-1	1967+25	0.23	N	N
Temp ATWS	Spread 2-1	1967+31	0.23	N	N
Temp ATWS	Spread 2-1	1969+54	0.30	N	N
Temp ATWS	Spread 2-1	1969+94	0.09	N	N
Temp ATWS	Spread 2-1	1975+42	0.03	Y	Y
Temp ATWS	Spread 2-1	1976+62	0.20	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-1	1976+73	0.14	Y	Y
Temp ATWS	Spread 2-1	1979+63	0.17	Y	Y
Temp ATWS	Spread 2-1	1981+08	0.33	Y	Y
Temp ATWS	Spread 2-1	1982+34	0.17	Y	Y
Temp ATWS	Spread 2-1	1985+07	0.18	Y	Y
Temp ATWS	Spread 2-1	1987+56	0.17	Y	Y
Temp ATWS	Spread 2-1	2053+07	0.06	N	Y
Temp ATWS	Spread 2-1	2053+11	0.06	N	Y
Temp ATWS	Spread 2-1	2054+37	0.06	N	Y
Temp ATWS	Spread 2-1	2054+55	0.06	N	Y
Temp ATWS	Spread 2-1	2060+43	0.16	Y	Y
Temp ATWS	Spread 2-1	2062+33	0.17	Y	Y
Temp ATWS	Spread 2-1	2066+13	0.17	Y	Y
Temp ATWS	Spread 2-1	2066+29	0.17	Y	Y
Temp ATWS	Spread 2-1	2073+09	0.14	Y	Y
Temp ATWS	Spread 2-1	2074+94	0.17	Y	Y
Temp ATWS	Spread 2-1	2077+06	0.18	Y	Y
Temp ATWS	Spread 2-1	2078+30	0.17	Y	Y
Temp ATWS	Spread 2-1	2114+56	0.07	N	Y
Temp ATWS	Spread 2-1	2120+54	0.06	Y	Y
Temp ATWS	Spread 2-1	2121+09	0.06	Y	Y
Temp ATWS	Spread 2-1	2122+82	0.06	Y	Y
Temp ATWS	Spread 2-1	2123+45	0.06	Y	Y
Temp TS	Spread 2-1	2125+01	0.11	Y	Y
Temp ATWS	Spread 2-1	2126+41	0.06	Y	Y
Temp ATWS	Spread 2-1	2126+49	0.06	Y	Y
Temp TS	Spread 2-1	2126+50	0.06	Y	Y
Temp ATWS	Spread 2-1	2127+82	0.06	Y	Y
Temp ATWS	Spread 2-1	2127+89	0.06	Y	Y
Temp TS	Spread 2-1	2127+90	0.06	Y	Y
Temp TS	Spread 2-1	2128+59	0.02	Y	Y
Temp ATWS	Spread 2-1	2129+58	0.06	Y	Y
Temp ATWS	Spread 2-1	2129+70	0.06	Y	Y
Temp ATWS	Spread 2-1	2131+85	0.06	Y	Y
Temp ATWS	Spread 2-1	2131+94	0.06	Y	Y
Temp TS	Spread 2-1	2139+04	0.07	Y	Y
Temp TS	Spread 2-1	2142+45	0.24	Y	Y
Temp ATWS	Spread 2-1	2144+89	0.06	Y	Y
Temp ATWS	Spread 2-1	2145+04	0.06	Y	Y
Temp ATWS	Spread 2-1	2156+23	0.23	N	N
Temp ATWS	Spread 2-1	2156+59	0.23	N	N
Temp ATWS	Spread 2-1	2159+19	0.13	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-1	2163+46	0.35	N	N
Temp ATWS	Spread 2-1	2163+94	0.07	N	N
Temp ATWS	Spread 2-1	2165+31	0.14	N	N
Temp ATWS	Spread 2-1	2165+41	0.11	N	N
Temp ATWS	Spread 2-1	2282+12	0.03	N	Y
Temp ATWS	Spread 2-1	2292+78	0.22	Y	Y
Temp ATWS	Spread 2-1	2294+96	0.20	Y	Y
Temp ATWS	Spread 2-1	2295+37	0.21	Y	Y
Temp ATWS	Spread 2-1	2296+76	0.19	Y	Y
Temp ATWS	Spread 2-1	2331+00	0.45	N	Y
Temp ATWS	Spread 2-1	2361+16	0.06	Y	Y
Temp ATWS	Spread 2-1	2362+20	0.06	Y	Y
Temp ATWS	Spread 2-1	2363+41	0.06	Y	Y
Temp ATWS	Spread 2-1	2363+73	0.06	Y	Y
Temp ATWS	Spread 2-1	2372+33	0.01	Y	Y
Temp ATWS	Spread 2-1	2372+61	0.00	N	Y
Temp ATWS	Spread 2-1	2373+03	0.19	Y	Y
Temp ATWS	Spread 2-1	2373+38	0.14	Y	Y
Temp ATWS	Spread 2-1	2374+79	0.14	Y	Y
Temp ATWS	Spread 2-1	2375+01	0.15	Y	Y
Temp ATWS	Spread 2-1	2377+35	0.06	Y	Y
Temp ATWS	Spread 2-1	2377+42	0.06	Y	Y
Temp ATWS	Spread 2-1	2379+20	0.03	Y	Y
Temp ATWS	Spread 2-1	2380+60	0.06	Y	Y
Temp ATWS	Spread 2-1	2380+72	0.06	Y	Y
Temp ATWS	Spread 2-1	2381+94	0.06	Y	Y
Temp ATWS	Spread 2-1	2402+23	0.06	Y	Y
Temp ATWS	Spread 2-1	2403+50	0.06	Y	Y
Temp ATWS	Spread 2-1	2403+53	0.06	Y	Y
Temp ATWS	Spread 2-1	2404+77	0.06	Y	Y
Temp ATWS	Spread 2-1	2409+12	0.06	Y	Y
Temp ATWS	Spread 2-1	2410+54	0.05	Y	Y
Temp ATWS	Spread 2-1	2412+51	0.06	Y	Y
Temp ATWS	Spread 2-1	2413+98	0.06	Y	Y
Temp ATWS	Spread 2-1	2461+21	0.06	Y	Y
Temp ATWS	Spread 2-1	2461+48	0.06	Y	Y
Temp ATWS	Spread 2-1	2463+39	0.06	Y	Y
Temp ATWS	Spread 2-1	2464+07	0.06	Y	Y
Temp ATWS	Spread 2-1	2468+58	0.17	Y	Y
Temp ATWS	Spread 2-1	2469+13	0.17	Y	Y
Temp ATWS	Spread 2-1	2471+53	0.17	Y	Y
Temp ATWS	Spread 2-1	2472+33	0.17	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-1	2477+22	0.16	Y	Y
Temp ATWS	Spread 2-2	2487+79	0.17	Y	Y
Temp ATWS	Spread 2-2	2487+80	0.17	Y	Y
Temp ATWS	Spread 2-2	2491+10	0.18	Y	Y
Temp ATWS	Spread 2-2	2500+11	0.06	Y	Y
Temp ATWS	Spread 2-2	2502+16	0.06	Y	Y
Temp ATWS	Spread 2-2	2519+23	15.36	Y	Y
Temp ATWS	Spread 2-2	2526+02	0.06	Y	Y
Temp ATWS	Spread 2-2	2527+63	0.06	Y	Y
Temp ATWS	Spread 2-2	2544+22	0.06	Y	Y
Temp ATWS	Spread 2-2	2545+55	0.02	Y	Y
Temp ATWS	Spread 2-2	2545+94	0.06	Y	Y
Temp ATWS	Spread 2-2	2558+04	0.05	Y	Y
Temp ATWS	Spread 2-2	2559+75	0.06	Y	Y
Temp ATWS	Spread 2-2	2587+34	0.17	Y	Y
Temp ATWS	Spread 2-2	2587+94	0.17	Y	Y
Temp ATWS	Spread 2-2	2590+49	0.04	Y	Y
Temp ATWS	Spread 2-2	2590+60	0.17	Y	Y
Temp ATWS	Spread 2-2	2591+44	0.05	Y	Y
Temp ATWS	Spread 2-2	2614+66	1.29	N	N
Temp ATWS	Spread 2-2	2680+88	0.67	N	N
Temp ATWS	Spread 2-2	2688+60	0.18	N	N
Temp ATWS	Spread 2-2	2691+50	0.16	N	N
Temp ATWS	Spread 2-2	2694+57	0.17	N	N
Temp ATWS	Spread 2-2	2694+90	0.17	N	N
Temp ATWS	Spread 2-2	2697+87	0.18	N	N
Temp ATWS	Spread 2-2	2701+43	0.16	N	N
Temp ATWS	Spread 2-2	2701+83	0.18	N	N
Temp ATWS	Spread 2-2	2705+85	0.17	N	N
Temp ATWS	Spread 2-2	2705+86	0.17	N	N
Temp ATWS	Spread 2-2	2717+84	0.17	N	N
Temp ATWS	Spread 2-2	2717+87	0.17	N	N
Temp ATWS	Spread 2-2	2721+07	0.17	N	N
Temp ATWS	Spread 2-2	2721+08	0.17	N	N
Temp ATWS	Spread 2-2	2724+69	0.19	N	N
Temp ATWS	Spread 2-2	2734+78	0.16	N	N
Temp ATWS	Spread 2-2	2735+52	0.17	N	N
Temp ATWS	Spread 2-2	2746+16	0.17	N	N
Temp ATWS	Spread 2-2	2764+71	0.29	N	N
Temp ATWS	Spread 2-2	2768+97	0.16	N	N
Temp ATWS	Spread 2-2	2769+13	0.18	N	N
Temp ATWS	Spread 2-2	2781+82	0.18	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-2	2783+50	0.18	N	N
Temp ATWS	Spread 2-2	2786+51	0.19	N	N
Temp ATWS	Spread 2-2	2787+17	0.15	N	N
Temp ATWS	Spread 2-2	2791+33	0.18	N	N
Temp ATWS	Spread 2-2	2798+09	0.35	N	N
Temp ATWS	Spread 2-2	2798+11	0.17	N	N
Temp ATWS	Spread 2-2	2800+97	0.18	N	N
Temp ATWS	Spread 2-2	2801+58	0.16	N	N
Temp ATWS	Spread 2-2	2806+87	0.17	N	N
Temp ATWS	Spread 2-2	2807+10	0.17	N	N
Temp ATWS	Spread 2-2	2809+55	0.17	N	N
Temp ATWS	Spread 2-2	2820+20	0.17	N	N
Temp ATWS	Spread 2-2	2829+18	0.46	N	N
Temp ATWS	Spread 2-2	2830+87	0.17	N	N
Temp ATWS	Spread 2-2	2831+33	0.00	N	N
Temp ATWS	Spread 2-2	2834+16	0.17	N	N
Temp ATWS	Spread 2-2	2834+65	0.17	N	N
Temp ATWS	Spread 2-2	2837+13	0.17	N	N
Temp ATWS	Spread 2-2	2837+44	0.16	N	N
Temp ATWS	Spread 2-2	2841+52	0.17	N	N
Temp ATWS	Spread 2-2	2842+07	0.17	N	N
Temp ATWS	Spread 2-2	2851+46	0.51	N	N
Temp ATWS	Spread 2-2	2859+62	0.00	N	N
Temp ATWS	Spread 2-2	2860+47	0.17	N	N
Temp ATWS	Spread 2-2	2866+25	0.26	N	N
Temp ATWS	Spread 2-2	2866+83	0.33	N	N
Temp ATWS	Spread 2-2	2889+81	0.35	N	N
Temp ATWS	Spread 2-2	2889+94	0.33	N	N
Temp ATWS	Spread 2-2	2923+45	0.17	N	N
Temp ATWS	Spread 2-2	2923+60	0.17	N	N
Temp ATWS	Spread 2-2	2926+70	0.18	N	N
Temp ATWS	Spread 2-2	2926+78	0.17	N	N
Temp ATWS	Spread 2-2	2953+89	1.14	N	N
Temp ATWS	Spread 2-2	2957+64	0.18	N	N
Temp ATWS	Spread 2-2	2958+26	0.39	N	N
Temp ATWS	Spread 2-2	2962+37	0.17	N	N
Temp ATWS	Spread 2-2	2983+69	1.72	N	N
Temp ATWS	Spread 2-2	2999+58	0.17	N	N
Temp ATWS	Spread 2-2	3003+19	0.13	N	N
Temp ATWS	Spread 2-2	3010+27	0.02	N	N
Temp ATWS	Spread 2-2	3011+22	0.12	N	N
Temp ATWS	Spread 2-2	3011+32	0.17	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2-2	3035+91	0.46	N	N
Temp ATWS	Spread 2-2	3054+59	0.17	N	N
Temp ATWS	Spread 2-2	3054+71	0.17	N	N
Temp ATWS	Spread 2-2	3057+20	0.09	N	N
Temp ATWS	Spread 2-2	3058+02	0.04	N	N
Temp ATWS	Spread 2-2	3058+56	0.17	N	N
Temp ATWS	Spread 2-2	3070+96	0.44	N	N
Temp ATWS	Spread 2-2	3082+26	0.00	N	N
Temp ATWS	Spread 2-2	3083+07	0.17	N	N
Temp ATWS	Spread 2-2	3083+14	0.17	N	N
Temp ATWS	Spread 2-2	3085+57	0.31	N	N
Temp ATWS	Spread 2-2	3087+09	0.15	N	N
Temp ATWS	Spread 2-2	3087+46	0.17	N	N
Temp ATWS	Spread 2-2	3134+14	0.17	N	Y
Temp ATWS	Spread 2-2	3134+44	0.17	N	Y
Temp ATWS	Spread 2A	3139+01	0.14	N	Y
Temp ATWS	Spread 2A	3142+41	0.17	Y	Y
Temp ATWS	Spread 2A	3144+44	0.12	Y	Y
Temp ATWS	Spread 2A	3147+79	0.37	Y	Y
Temp ATWS	Spread 2A	3151+95	0.06	Y	Y
Temp ATWS	Spread 2A	3152+82	0.72	Y	Y
Temp ATWS	Spread 2A	3156+28	0.43	Y	Y
Temp ATWS	Spread 2A	3162+05	0.54	Y	Y
Temp ATWS	Spread 2A	3165+40	0.12	Y	Y
Temp ATWS	Spread 2A	3168+46	0.13	Y	Y
Temp ATWS	Spread 2A	3176+75	1.57	Y	Y
Temp ATWS	Spread 2A	3178+93	0.13	Y	Y
Temp ATWS	Spread 2A	3179+68	0.01	Y	Y
Temp ATWS	Spread 2A	3183+72	0.17	Y	Y
Temp ATWS	Spread 2A	3189+81	0.30	Y	Y
Temp ATWS	Spread 2A	3196+57	0.80	Y	Y
Temp ATWS	Spread 2A	3201+06	0.13	Y	Y
Temp ATWS	Spread 2A	3203+21	0.39	Y	Y
Temp ATWS	Spread 2A	3217+30	0.14	N	N
Temp ATWS	Spread 2A	3218+02	0.17	N	N
Temp ATWS	Spread 2A	3220+29	0.17	N	N
Temp ATWS	Spread 2A	3220+97	0.17	N	N
Temp ATWS	Spread 2A	3235+59	0.17	N	N
Temp ATWS	Spread 2A	3238+28	0.17	N	N
Temp ATWS	Spread 2A	3238+72	0.14	N	N
Temp ATWS	Spread 2A	3278+28	0.18	N	N
Temp ATWS	Spread 2A	3283+46	0.18	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2A	3288+60	0.43	N	N
Temp ATWS	Spread 2A	3303+11	0.17	N	N
Temp ATWS	Spread 2A	3303+13	0.18	N	N
Temp ATWS	Spread 2A	3309+10	0.17	N	N
Temp ATWS	Spread 2A	3311+06	0.25	N	N
Temp ATWS	Spread 2A	3312+55	0.17	N	N
Temp ATWS	Spread 2A	3316+75	0.12	N	N
Temp ATWS	Spread 2A	3319+06	0.30	N	N
Temp ATWS	Spread 2A	3319+56	0.38	N	N
Temp ATWS	Spread 2A	3324+21	0.45	N	N
Temp ATWS	Spread 2A	3344+35	1.49	N	N
Temp ATWS	Spread 2A	3381+52	0.35	Y	Y
Temp ATWS	Spread 2A	3389+58	0.24	Y	Y
Temp ATWS	Spread 2A	3406+40	0.18	Y	Y
Temp ATWS	Spread 2A	3406+81	0.21	Y	Y
Temp ATWS	Spread 2A	3407+57	0.02	Y	Y
Temp ATWS	Spread 2A	3408+50	0.13	Y	Y
Temp ATWS	Spread 2A	3408+89	0.16	Y	Y
Temp ATWS	Spread 2A	3424+59	0.82	N	Y
Temp TS	Spread 2A	3460+45	0.14	Y	Y
Temp ATWS	Spread 2A	3463+50	0.17	Y	Y
Temp ATWS	Spread 2A	3497+11	0.17	Y	Y
Temp ATWS	Spread 2A	3498+80	0.17	Y	Y
Temp ATWS	Spread 2A	3502+48	0.13	Y	Y
Temp ATWS	Spread 2A	3503+85	0.01	Y	Y
Temp ATWS	Spread 2A	3504+22	0.17	Y	Y
Temp ATWS	Spread 2A	3504+67	0.09	Y	Y
Temp ATWS	Spread 2A	3507+85	0.17	Y	Y
Temp ATWS	Spread 2A	3512+12	0.17	Y	Y
Temp TS	Spread 2A	3521+82	0.18	Y	Y
Temp ATWS	Spread 2A	3524+14	0.17	Y	Y
Temp ATWS	Spread 2A	3525+35	0.17	Y	Y
Temp ATWS	Spread 2A	3530+00	0.17	Y	Y
Temp ATWS	Spread 2A	3591+37	0.17	Y	Y
Temp ATWS	Spread 2A	3593+26	0.18	Y	Y
Temp ATWS	Spread 2A	3595+33	0.17	Y	Y
Temp ATWS	Spread 2A	3596+29	0.17	Y	Y
Temp ATWS	Spread 2A	3599+49	0.17	Y	Y
Temp ATWS	Spread 2A	3601+92	0.17	Y	Y
Temp ATWS	Spread 2A	3609+71	0.17	Y	Y
Temp ATWS	Spread 2A	3610+06	0.17	Y	Y
Temp TS	Spread 2A	3612+84	0.26	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2A	3634+05	0.16	Y	Y
Temp ATWS	Spread 2A	3634+62	0.18	Y	Y
Temp ATWS	Spread 2A	3637+11	0.18	Y	Y
Temp ATWS	Spread 2A	3637+36	0.16	Y	Y
Temp ATWS	Spread 2A	3644+99	0.17	Y	Y
Temp ATWS	Spread 2A	3645+32	0.17	Y	Y
Temp ATWS	Spread 2A	3649+61	0.17	Y	Y
Temp ATWS	Spread 2A	3652+47	0.17	Y	Y
Temp ATWS	Spread 2A	3655+61	0.17	Y	Y
Temp ATWS	Spread 2A	3663+85	0.17	Y	Y
Temp ATWS	Spread 2A	3733+59	0.57	N	Y
Temp TS	Spread 2A	3760+76	0.01	Y	Y
Temp TS	Spread 2A	3765+49	0.50	Y	Y
Temp TS	Spread 2A	3779+28	0.17	Y	Y
Temp TS	Spread 2A	3791+42	0.09	Y	Y
Temp TS	Spread 2A	3796+96	0.12	Y	Y
Temp ATWS	Spread 2A	3813+14	0.46	Y	Y
Temp ATWS	Spread 2A	3813+46	0.51	Y	Y
Temp ATWS	Spread 2A	3816+11	0.17	Y	Y
Temp ATWS	Spread 2A	3816+57	0.17	Y	Y
Temp ATWS	Spread 2A	3818+80	0.16	Y	Y
Temp ATWS	Spread 2A	3820+37	0.17	Y	Y
Temp ATWS	Spread 2A	3824+60	0.38	Y	Y
Temp ATWS	Spread 2A	3827+54	0.16	Y	Y
Temp ATWS	Spread 2A	3829+52	0.38	Y	Y
Temp ATWS	Spread 2A	3832+44	0.17	Y	Y
Temp ATWS	Spread 2A	3833+39	0.17	Y	Y
Temp TS	Spread 2A	3847+45	0.34	N	N
Temp TS	Spread 2A	3865+44	1.30	N	N
Temp TS	Spread 2A	3879+00	0.11	N	N
Temp ATWS	Spread 2A	3879+00	0.11	N	N
Temp TS	Spread 2A	3882+10	0.24	Y	Y
Temp ATWS	Spread 2A	3913+86	0.21	N	N
Temp ATWS	Spread 2A	3915+62	0.08	N	N
Temp ATWS	Spread 2A	3924+64	0.46	N	N
Temp ATWS	Spread 2A	3955+74	0.50	Y	Y
Temp ATWS	Spread 2A	3962+50	0.18	Y	Y
Temp ATWS	Spread 2A	3963+73	0.16	Y	Y
Temp TS	Spread 2A	3970+25	0.20	Y	Y
Temp ATWS	Spread 2A	4020+39	0.28	N	N
Temp ATWS	Spread 2A	4021+51	0.31	N	N
Temp ATWS	Spread 2A	4052+39	0.12	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 2A	4055+44	0.38	N	N
Temp ATWS	Spread 2A	4092+14	0.16	N	N
Temp ATWS	Spread 2A	4092+71	0.16	N	N
Temp ATWS	Spread 2A	4094+69	0.16	Y	Y
Temp ATWS	Spread 2A	4094+72	0.08	Y	Y
Temp ATWS	Spread 2A	4097+23	0.17	Y	Y
Temp ATWS	Spread 2A	4097+42	0.15	Y	Y
Temp TS	Spread 2A	4099+16	0.15	Y	Y
Temp TS	Spread 2A	4101+32	0.05	Y	Y
Temp ATWS	Spread 2A	4104+36	5.80	Y	Y
Temp ATWS	Spread 3	4190+68	0.18	Y	Y
Temp ATWS	Spread 3	4191+07	0.16	Y	Y
Temp ATWS	Spread 3	4197+03	0.18	Y	Y
Temp ATWS	Spread 3	4198+56	0.17	Y	Y
Temp ATWS	Spread 3	4221+43	0.17	Y	Y
Temp ATWS	Spread 3	4222+14	0.17	Y	Y
Temp ATWS	Spread 3	4224+23	0.13	Y	Y
Temp ATWS	Spread 3	4231+84	0.96	Y	Y
Temp ATWS	Spread 3	4239+14	0.17	Y	Y
Temp ATWS	Spread 3	4241+18	0.17	Y	Y
Temp ATWS	Spread 3	4242+90	0.08	N	Y
Temp ATWS	Spread 3	4243+78	0.05	Y	Y
Temp ATWS	Spread 3	4244+23	0.17	Y	Y
Temp ATWS	Spread 3	4253+30	0.00	N	N
Temp ATWS	Spread 3	4253+31	0.05	N	N
Temp ATWS	Spread 3	4292+13	2.00	N	N
Temp ATWS	Spread 3	4303+44	0.17	Y	N
Temp ATWS	Spread 3	4330+06	0.16	Y	N
Temp ATWS	Spread 3	4331+25	0.18	Y	N
Temp ATWS	Spread 3	4335+02	0.17	Y	N
Temp ATWS	Spread 3	4336+55	0.17	Y	N
Temp ATWS	Spread 3	4346+36	0.74	Y	N
Temp ATWS	Spread 3	4362+50	0.29	N	N
Temp ATWS	Spread 3	4378+44	0.18	N	N
Temp ATWS	Spread 3	4380+10	0.18	N	N
Temp ATWS	Spread 3	4383+22	0.03	Y	N
Temp ATWS	Spread 3	4383+47	0.18	Y	N
Temp ATWS	Spread 3	4384+12	0.11	Y	N
Temp ATWS	Spread 3	4392+49	0.23	Y	N
Temp ATWS	Spread 3	4421+81	0.60	N	N
Temp ATWS	Spread 3	4454+76	0.70	N	N
Temp ATWS	Spread 3	4454+83	0.73	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 3	4488+82	0.52	N	N
Temp TS	Spread 3	4515+86	0.62	N	N
Temp ATWS	Spread 3	4518+74	0.23	N	N
Temp ATWS	Spread 3	4525+85	0.18	N	N
Temp ATWS	Spread 3	4531+15	0.07	N	N
Temp ATWS	Spread 3	4531+63	0.17	N	N
Temp ATWS	Spread 3	4531+86	0.03	N	N
Temp ATWS	Spread 3	4534+91	0.17	N	N
Temp ATWS	Spread 3	4534+96	0.17	N	N
Temp TS	Spread 3	4542+65	0.25	N	N
Temp TS	Spread 3	4562+63	0.16	N	N
Temp TS	Spread 3	4570+96	0.22	N	N
Temp ATWS	Spread 3	4583+64	0.17	N	N
Temp ATWS	Spread 3	4583+69	0.17	N	N
Temp ATWS	Spread 3	4586+39	0.15	N	N
Temp ATWS	Spread 3	4586+46	0.12	N	N
Temp ATWS	Spread 3	4588+23	0.17	N	N
Temp ATWS	Spread 3	4588+43	0.17	N	N
Temp ATWS	Spread 3	4607+28	0.17	N	N
Temp ATWS	Spread 3	4607+58	0.17	N	N
Temp ATWS	Spread 3	4616+05	0.17	Y	Y
Temp TS	Spread 3	4617+36	0.07	Y	Y
Temp ATWS	Spread 3	4621+74	0.24	Y	Y
Temp ATWS	Spread 3	4628+26	0.17	Y	Y
Temp ATWS	Spread 3	4639+97	0.17	Y	Y
Temp ATWS	Spread 3	4641+47	0.23	Y	Y
Temp TS	Spread 3	4645+94	0.41	Y	Y
Temp ATWS	Spread 3	4650+27	0.22	Y	Y
Temp ATWS	Spread 3	4650+79	0.17	Y	Y
Temp ATWS	Spread 3	4653+22	0.23	Y	Y
Temp ATWS	Spread 3	4653+44	0.17	Y	Y
Temp TS	Spread 3	4656+22	0.23	Y	Y
Temp ATWS	Spread 3	4671+83	0.17	N	N
Temp ATWS	Spread 3	4677+21	0.17	Y	Y
Temp ATWS	Spread 3	4678+63	0.18	Y	Y
Temp ATWS	Spread 3	4680+65	0.16	Y	Y
Temp ATWS	Spread 3	4681+55	0.18	Y	Y
Temp ATWS	Spread 3	4684+31	0.15	Y	Y
Temp ATWS	Spread 3	4694+73	2.49	N	N
Temp ATWS	Spread 3	4696+36	0.17	N	N
Temp ATWS	Spread 3	4701+73	0.09	N	N
Temp ATWS	Spread 3	4703+27	0.17	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 3	4713+61	0.69	Y	N
Temp ATWS	Spread 3	4716+33	0.02	Y	N
Temp ATWS	Spread 3	4721+16	0.17	Y	N
Temp ATWS	Spread 3	4721+23	0.02	Y	N
Temp ATWS	Spread 3	4721+78	0.03	Y	N
Temp ATWS	Spread 3	4722+48	0.05	Y	N
Temp ATWS	Spread 3	4724+55	0.17	N	N
Temp ATWS	Spread 3	4724+68	0.17	N	N
Temp ATWS	Spread 3	4753+45	0.17	N	N
Temp ATWS	Spread 3	4753+77	0.17	N	N
Temp ATWS	Spread 3	4756+41	0.15	N	N
Temp ATWS	Spread 3	4756+72	0.20	N	N
Temp ATWS	Spread 3	4759+83	0.18	N	N
Temp ATWS	Spread 3	4760+38	0.16	N	N
Temp ATWS	Spread 3	4899+92	0.17	Y	Y
Temp ATWS	Spread 3A	4901+34	0.18	Y	Y
Temp ATWS	Spread 3A	4901+87	0.15	Y	Y
Temp ATWS	Spread 3A	4902+12	0.17	Y	Y
Temp ATWS	Spread 3A	4903+17	0.17	Y	Y
Temp ATWS	Spread 3A	4908+87	0.16	Y	Y
Temp ATWS	Spread 3A	4909+53	0.19	Y	Y
Temp ATWS	Spread 3A	4939+81	0.17	Y	Y
Temp ATWS	Spread 3A	4940+23	0.17	Y	Y
Temp ATWS	Spread 3A	4944+23	0.17	Y	Y
Temp ATWS	Spread 3A	4975+86	0.91	Y	Y
Temp ATWS	Spread 3A	4986+51	0.57	Y	Y
Temp ATWS	Spread 3A	4986+85	1.10	Y	Y
Temp ATWS	Spread 3A	5032+93	0.17	Y	Y
Temp ATWS	Spread 3A	5034+93	0.17	Y	Y
Temp ATWS	Spread 3A	5037+21	0.17	Y	Y
Temp ATWS	Spread 3A	5038+19	0.13	Y	Y
Temp ATWS	Spread 3A	5040+93	0.47	Y	Y
Temp ATWS	Spread 3A	5041+98	0.17	Y	Y
Temp ATWS	Spread 3A	5045+54	0.18	Y	Y
Temp ATWS	Spread 3A	5045+67	0.16	Y	Y
Temp ATWS	Spread 3A	5049+31	0.17	Y	Y
Temp ATWS	Spread 3A	5049+62	0.18	Y	Y
Temp ATWS	Spread 3A	5075+36	0.17	Y	N
Temp ATWS	Spread 3A	5076+32	0.17	Y	N
Temp ATWS	Spread 3A	5079+68	0.17	Y	N
Temp ATWS	Spread 3A	5080+97	0.17	Y	N
Temp ATWS	Spread 3A	5115+60	0.17	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 3A	5115+61	0.11	Y	N
Temp ATWS	Spread 3A	5119+83	0.11	Y	N
Temp ATWS	Spread 3A	5121+25	0.17	Y	N
Temp ATWS	Spread 3A	5215+15	0.06	Y	N
Temp ATWS	Spread 3A	5291+45	0.07	Y	N
Temp ATWS	Spread 3A	5291+55	0.14	Y	N
Temp ATWS	Spread 3A	5299+90	0.25	Y	N
Temp ATWS	Spread 3A	5336+95	0.17	Y	N
Temp ATWS	Spread 3A	5337+39	0.14	Y	N
Temp ATWS	Spread 3A	5338+06	0.00	Y	N
Temp ATWS	Spread 3A	5338+07	0.00	N	N
Temp ATWS	Spread 3A	5344+65	0.18	N	N
Temp ATWS	Spread 3A	5344+75	0.17	N	N
Temp ATWS	Spread 3A	5346+98	0.17	N	N
Temp ATWS	Spread 3A	5347+91	0.17	N	N
Temp ATWS	Spread 3A	5351+97	0.17	N	N
Temp ATWS	Spread 3A	5352+44	0.15	N	N
Temp ATWS	Spread 3A	5367+96	0.14	N	N
Temp ATWS	Spread 3A	5369+46	0.17	N	N
Temp ATWS	Spread 3A	5372+85	0.11	N	N
Temp ATWS	Spread 3A	5377+07	0.17	Y	N
Temp ATWS	Spread 3A	5377+94	0.17	Y	N
Temp ATWS	Spread 3A	5502+93	0.16	N	N
Temp ATWS	Spread 3A	5505+17	3.29	N	N
Temp ATWS	Spread 3A	5505+55	0.40	N	N
Temp ATWS	Spread 3A	5509+51	0.16	N	N
Temp ATWS	Spread 3A	5511+46	0.17	N	N
Temp ATWS	Spread 3A	5581+53	0.17	N	N
Temp ATWS	Spread 3A	5584+91	0.16	N	N
Temp ATWS	Spread 3A	5596+54	0.28	N	N
Temp ATWS	Spread 3A	5597+32	0.10	N	N
Temp ATWS	Spread 3A	5600+13	0.29	N	N
Temp ATWS	Spread 3A	5600+91	0.18	N	N
Temp ATWS	Spread 3A	5618+24	0.17	N	N
Temp ATWS	Spread 3A	5618+67	0.17	N	N
Temp ATWS	Spread 3A	5621+77	0.16	N	N
Temp ATWS	Spread 3A	5622+13	0.17	N	N
Temp ATWS	Spread 3A	5647+57	0.17	Y	N
Temp ATWS	Spread 3A	5648+54	0.17	Y	N
Temp ATWS	Spread 3A	5650+51	0.17	Y	N
Temp ATWS	Spread 3A	5651+06	0.17	Y	N
Temp ATWS	Spread 3A	5696+40	0.17	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 3A	5697+57	0.17	Y	N
Temp ATWS	Spread 3A	5698+94	0.17	Y	N
Temp ATWS	Spread 3A	5699+80	0.19	Y	N
Temp ATWS	Spread 3A	5714+99	0.17	Y	N
Temp ATWS	Spread 3A	5715+46	0.07	Y	N
Temp ATWS	Spread 3A	5716+65	0.05	Y	N
Temp ATWS	Spread 3A	5719+59	0.17	Y	N
Temp ATWS	Spread 3A	5719+72	0.17	Y	N
Temp ATWS	Spread 3A	5722+59	0.40	Y	N
Temp ATWS	Spread 3A	5753+54	0.17	Y	N
Temp ATWS	Spread 3A	5756+76	0.16	Y	N
Temp ATWS	Spread 3A	5759+17	0.12	Y	N
Temp ATWS	Spread 3A	5759+46	0.11	Y	N
Temp ATWS	Spread 3A	5760+37	0.02	Y	N
Temp ATWS	Spread 3A	5767+29	0.17	Y	N
Temp ATWS	Spread 3A	5767+54	0.17	Y	N
Temp ATWS	Spread 3A	5770+33	0.17	Y	N
Temp ATWS	Spread 3A	5770+35	0.17	Y	N
Temp ATWS	Spread 3A	5782+68	0.17	Y	N
Temp ATWS	Spread 3A	5784+15	0.13	Y	N
Temp ATWS	Spread 3A	5787+16	0.26	Y	N
Temp ATWS	Spread 3A	5790+09	0.14	Y	N
Temp ATWS	Spread 3A	5791+36	0.17	Y	N
Temp ATWS	Spread 3A	5806+97	0.17	Y	N
Temp ATWS	Spread 3A	5807+81	0.16	Y	N
Temp ATWS	Spread 3A	5810+44	0.17	Y	N
Temp ATWS	Spread 3A	5813+16	0.24	Y	N
Temp ATWS	Spread 3A	5813+21	0.17	Y	N
Temp ATWS	Spread 3A	5816+23	0.16	N	N
Temp ATWS	Spread 3A	5816+57	0.24	Y	N
Temp ATWS	Spread 3A	5819+22	0.17	N	N
Temp ATWS	Spread 3A	5820+22	0.13	N	N
Temp ATWS	Spread 3A	5822+21	0.18	N	N
Temp ATWS	Spread 3A	5827+45	0.11	N	N
Temp ATWS	Spread 3A	5827+49	0.17	N	N
Temp ATWS	Spread 3A	5835+99	0.16	N	N
Temp ATWS	Spread 3A	5840+53	0.13	N	N
Temp ATWS	Spread 4	5846+39	0.15	N	N
Temp ATWS	Spread 4	5847+18	0.17	N	N
Temp ATWS	Spread 4	5853+38	0.17	N	N
Temp ATWS	Spread 4	5857+31	0.17	N	N
Temp ATWS	Spread 4	5857+40	0.16	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4	5863+91	0.17	N	N
Temp ATWS	Spread 4	5863+96	0.17	N	N
Temp ATWS	Spread 4	5867+49	0.15	N	N
Temp ATWS	Spread 4	5869+40	0.17	N	N
Temp ATWS	Spread 4	5910+36	0.32	N	N
Temp ATWS	Spread 4	5948+32	0.23	N	N
Temp ATWS	Spread 4	5966+75	0.17	N	N
Temp ATWS	Spread 4	5967+29	0.17	N	N
Temp ATWS	Spread 4	5970+91	0.18	N	N
Temp ATWS	Spread 4	5971+15	0.17	N	N
Temp ATWS	Spread 4	5983+34	0.12	N	N
Temp ATWS	Spread 4	5983+91	0.16	N	N
Temp ATWS	Spread 4	5986+11	0.18	N	N
Temp ATWS	Spread 4	5988+25	0.18	N	N
Temp ATWS	Spread 4	6022+89	0.71	N	N
Temp ATWS	Spread 4	6050+01	0.17	N	N
Temp ATWS	Spread 4	6050+18	0.15	N	N
Temp ATWS	Spread 4	6053+94	0.18	N	N
Temp ATWS	Spread 4	6054+29	0.18	N	N
Temp ATWS	Spread 4	6096+60	0.17	N	N
Temp ATWS	Spread 4	6099+78	0.18	N	N
Temp ATWS	Spread 4	6103+27	0.17	N	N
Temp ATWS	Spread 4	6105+71	0.18	N	N
Temp ATWS	Spread 4	6109+60	0.09	N	N
Temp ATWS	Spread 4	6113+49	0.29	N	N
Temp ATWS	Spread 4	6129+54	0.09	N	N
Temp ATWS	Spread 4	6137+82	0.16	N	N
Temp ATWS	Spread 4	6138+12	0.14	N	N
Temp ATWS	Spread 4	6140+30	0.07	N	N
Temp ATWS	Spread 4	6140+42	0.04	N	N
Temp ATWS	Spread 4	6141+81	0.16	N	N
Temp ATWS	Spread 4	6142+01	0.17	N	N
Temp ATWS	Spread 4	6148+65	0.24	N	N
Temp ATWS	Spread 4	6155+73	0.17	N	N
Temp ATWS	Spread 4	6157+10	0.15	N	N
Temp ATWS	Spread 4	6161+95	0.15	N	N
Temp ATWS	Spread 4	6166+36	0.15	N	N
Temp ATWS	Spread 4	6169+85	0.16	N	N
Temp ATWS	Spread 4	6215+98	0.17	N	N
Temp ATWS	Spread 4	6220+03	0.06	N	N
Temp ATWS	Spread 4	6220+74	0.08	N	N
Temp ATWS	Spread 4	6311+70	0.11	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4	6312+62	0.20	N	N
Temp ATWS	Spread 4	6313+69	0.09	N	N
Temp ATWS	Spread 4	6314+69	0.13	N	N
Temp ATWS	Spread 4	6331+61	0.18	N	N
Temp ATWS	Spread 4	6332+94	0.20	N	N
Temp ATWS	Spread 4	6338+67	0.16	N	N
Temp ATWS	Spread 4	6339+73	0.17	N	N
Temp ATWS	Spread 4	6348+40	0.17	N	N
Temp ATWS	Spread 4	6349+32	0.17	N	N
Temp ATWS	Spread 4	6351+85	0.18	N	N
Temp ATWS	Spread 4	6352+36	0.15	N	N
Temp ATWS	Spread 4	6413+40	0.17	N	N
Temp ATWS	Spread 4	6413+79	0.11	N	N
Temp ATWS	Spread 4	6417+10	0.09	N	N
Temp ATWS	Spread 4	6417+86	0.10	N	N
Temp ATWS	Spread 4	6428+38	0.28	N	N
Temp ATWS	Spread 4	6428+87	0.17	N	N
Temp ATWS	Spread 4	6433+44	0.17	N	N
Temp ATWS	Spread 4	6434+02	0.17	N	N
Temp ATWS	Spread 4	6443+47	0.17	N	N
Temp ATWS	Spread 4	6444+07	0.16	N	N
Temp ATWS	Spread 4	6446+78	0.16	N	N
Temp ATWS	Spread 4	6446+97	0.17	N	N
Temp ATWS	Spread 4	6452+67	0.17	N	N
Temp ATWS	Spread 4	6453+30	0.13	N	N
Temp ATWS	Spread 4	6457+24	0.17	N	N
Temp ATWS	Spread 4	6458+44	0.17	N	N
Temp ATWS	Spread 4	6517+42	0.24	N	N
Temp ATWS	Spread 4	6554+98	0.17	N	N
Temp ATWS	Spread 4	6555+06	0.17	N	N
Temp ATWS	Spread 4	6557+83	0.12	N	N
Temp ATWS	Spread 4	6558+65	0.08	N	N
Temp ATWS	Spread 4	6561+32	0.13	N	N
Temp ATWS	Spread 4	6564+27	0.17	N	N
Temp ATWS	Spread 4	6564+74	0.41	N	N
Temp ATWS	Spread 4	6568+29	0.17	N	N
Temp ATWS	Spread 4	6569+32	0.28	N	N
Temp ATWS	Spread 4	6572+61	0.15	N	N
Temp ATWS	Spread 4	6573+60	0.17	N	N
Temp TS	Spread 4	6575+40	0.12	N	N
Temp ATWS	Spread 4	6578+95	0.17	N	N
Temp ATWS	Spread 4	6579+11	0.28	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4	6582+77	0.17	N	N
Temp ATWS	Spread 4	6585+79	0.21	N	N
Temp ATWS	Spread 4	6588+66	0.17	N	N
Temp ATWS	Spread 4	6589+69	0.17	N	N
Temp ATWS	Spread 4	6592+23	0.15	N	N
Temp ATWS	Spread 4	6593+12	0.17	N	N
Temp ATWS	Spread 4	6595+80	0.23	N	N
Temp ATWS	Spread 4	6596+03	0.17	N	N
Temp ATWS	Spread 4	6599+12	0.04	N	N
Temp ATWS	Spread 4	6601+96	0.08	N	N
Temp ATWS	Spread 4	6603+93	0.15	N	N
Temp ROW	Spread 4	6604+29	3.19	N	N
Temp ATWS	Spread 4	6607+87	0.17	N	N
Temp ATWS	Spread 4	6609+65	0.33	N	N
Temp ATWS	Spread 4	6610+79	0.04	N	N
Temp ATWS	Spread 4	6611+77	0.20	N	N
Temp ATWS	Spread 4	6612+89	0.19	N	N
Temp ATWS	Spread 4	6613+70	0.15	N	N
Temp ATWS	Spread 4	6615+55	0.13	N	N
Temp ATWS	Spread 4	6617+33	0.17	N	N
Temp ATWS	Spread 4	6617+47	0.17	N	N
Temp ATWS	Spread 4	6620+40	0.15	N	N
Temp ATWS	Spread 4	6620+52	0.17	N	N
Temp ATWS	Spread 4	6622+35	0.13	N	N
Temp ATWS	Spread 4	6626+12	0.25	N	N
Temp ATWS	Spread 4	6626+61	0.39	N	N
Temp ATWS	Spread 4	6629+70	0.17	N	N
Temp ATWS	Spread 4	6630+18	0.17	N	N
Temp ATWS	Spread 4	6638+61	0.17	N	N
Temp ATWS	Spread 4	6639+00	0.15	N	N
Temp ATWS	Spread 4	6641+59	0.17	N	N
Temp ATWS	Spread 4	6642+06	0.17	N	N
Temp ATWS	Spread 4	6652+14	0.18	N	N
Temp ATWS	Spread 4	6652+34	0.16	N	N
Temp ATWS	Spread 4	6654+94	0.16	N	N
Temp ATWS	Spread 4	6655+07	0.18	N	N
Temp ATWS	Spread 4	6659+86	0.16	N	N
Temp ATWS	Spread 4	6660+93	0.15	N	N
Temp ATWS	Spread 4	6663+35	0.15	N	N
Temp ATWS	Spread 4	6664+29	0.17	N	N
Temp ATWS	Spread 4	6666+47	0.16	N	N
Temp ATWS	Spread 4	6666+67	0.16	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4	6669+56	0.17	N	N
Temp ATWS	Spread 4	6670+17	0.13	N	N
Temp ATWS	Spread 4	6741+92	0.29	N	N
Temp ATWS	Spread 4	6745+68	0.16	N	N
Temp ATWS	Spread 4A	6753+84	0.17	N	N
Temp ATWS	Spread 4A	6756+36	0.26	Y	N
Temp ATWS	Spread 4A	6767+71	0.14	Y	N
Temp ATWS	Spread 4A	6783+91	0.14	N	N
Temp ATWS	Spread 4A	6785+35	0.17	N	N
Temp ATWS	Spread 4A	6788+13	0.17	Y	N
Temp ATWS	Spread 4A	6788+13	0.18	Y	N
Temp ATWS	Spread 4A	6805+22	0.17	Y	N
Temp ATWS	Spread 4A	6805+58	0.16	Y	N
Temp ATWS	Spread 4A	6808+34	0.12	Y	N
Temp ATWS	Spread 4A	6808+76	0.16	Y	N
Temp ATWS	Spread 4A	6811+42	0.18	Y	N
Temp ATWS	Spread 4A	6811+72	0.17	Y	N
Temp ATWS	Spread 4A	6815+39	0.17	Y	N
Temp ATWS	Spread 4A	6819+24	0.38	Y	N
Temp ATWS	Spread 4A	6819+99	0.17	Y	N
Temp ATWS	Spread 4A	6822+98	0.17	Y	N
Temp ATWS	Spread 4A	6823+46	0.17	Y	N
Temp ATWS	Spread 4A	6828+61	0.17	Y	N
Temp ATWS	Spread 4A	6828+76	0.17	Y	N
Temp ATWS	Spread 4A	6832+23	0.17	Y	N
Temp ATWS	Spread 4A	6832+41	0.31	Y	N
Temp TS	Spread 4A	6876+47	0.25	N	N
Temp TS	Spread 4A	6882+05	0.22	N	N
Temp TS	Spread 4A	6898+62	0.13	N	N
Temp ATWS	Spread 4A	6901+15	0.17	N	N
Temp ATWS	Spread 4A	6905+34	0.17	N	N
Temp TS	Spread 4A	6914+53	0.59	N	N
Temp ATWS	Spread 4A	6939+50	0.14	Y	Y
Temp ATWS	Spread 4A	6941+89	0.21	Y	Y
Temp ATWS	Spread 4A	6942+34	0.18	Y	Y
Temp ATWS	Spread 4A	6943+99	0.12	Y	Y
Temp ATWS	Spread 4A	6952+27	0.17	Y	Y
Temp ATWS	Spread 4A	6952+62	0.17	Y	Y
Temp ATWS	Spread 4A	6955+65	0.17	Y	Y
Temp ATWS	Spread 4A	6955+77	0.17	Y	Y
Temp ATWS	Spread 4A	7059+14	0.15	Y	N
Temp ATWS	Spread 4A	7060+11	0.16	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	7062+67	0.12	Y	N
Temp ATWS	Spread 4A	7063+30	0.16	Y	N
Temp ATWS	Spread 4A	7072+17	0.18	N	N
Temp ATWS	Spread 4A	7072+31	0.17	N	N
Temp ATWS	Spread 4A	7075+25	0.17	N	N
Temp ATWS	Spread 4A	7075+28	0.17	N	N
Temp ATWS	Spread 4A	7087+63	0.16	Y	Y
Temp ATWS	Spread 4A	7088+62	0.18	Y	Y
Temp ATWS	Spread 4A	7093+44	0.17	Y	Y
Temp ATWS	Spread 4A	7093+60	0.15	Y	Y
Temp TS	Spread 4A	7096+43	0.25	Y	Y
Temp ATWS	Spread 4A	7101+83	0.17	Y	Y
Temp ATWS	Spread 4A	7101+92	0.17	Y	Y
Temp ATWS	Spread 4A	7104+79	0.17	Y	Y
Temp ATWS	Spread 4A	7104+79	0.17	Y	Y
Temp TS	Spread 4A	7107+75	0.22	Y	Y
Temp ATWS	Spread 4A	7117+14	0.17	Y	Y
Temp ATWS	Spread 4A	7118+32	0.18	Y	Y
Temp ATWS	Spread 4A	7121+09	0.14	Y	Y
Temp ATWS	Spread 4A	7121+13	0.17	Y	Y
Temp ATWS	Spread 4A	7134+94	0.00	Y	Y
Temp ATWS	Spread 4A	7135+02	0.17	Y	Y
Temp ATWS	Spread 4A	7135+67	0.14	Y	Y
Temp ATWS	Spread 4A	7138+55	0.16	Y	Y
Temp ATWS	Spread 4A	7138+77	0.13	Y	Y
Temp ATWS	Spread 4A	7147+96	0.15	Y	Y
Temp ATWS	Spread 4A	7151+37	0.08	Y	Y
Temp ATWS	Spread 4A	7154+86	0.12	Y	N
Temp ATWS	Spread 4A	7154+90	0.11	Y	N
Temp ATWS	Spread 4A	7157+86	0.17	Y	N
Temp ATWS	Spread 4A	7158+03	0.15	Y	N
Temp ATWS	Spread 4A	7167+40	0.17	N	N
Temp ATWS	Spread 4A	7169+26	0.16	N	N
Temp ATWS	Spread 4A	7172+83	0.36	N	N
Temp ATWS	Spread 4A	7173+92	0.22	N	N
Temp ATWS	Spread 4A	7177+08	0.16	N	N
Temp ATWS	Spread 4A	7177+24	0.16	N	N
Temp TS	Spread 4A	7179+67	0.24	N	N
Temp TS	Spread 4A	7190+20	0.36	N	N
Temp ATWS	Spread 4A	7199+22	0.33	N	N
Temp ATWS	Spread 4A	7216+95	0.42	N	N
Temp ATWS	Spread 4A	7218+96	0.12	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	7223+24	0.14	Y	Y
Temp ATWS	Spread 4A	7229+64	0.16	Y	Y
Temp ATWS	Spread 4A	7229+98	0.10	Y	Y
Temp ATWS	Spread 4A	7230+56	0.04	Y	Y
Temp ATWS	Spread 4A	7233+22	0.17	Y	Y
Temp ATWS	Spread 4A	7234+00	0.17	Y	Y
Temp ATWS	Spread 4A	7240+74	0.15	Y	Y
Temp ATWS	Spread 4A	7240+89	0.18	Y	Y
Temp ATWS	Spread 4A	7244+41	0.39	Y	Y
Temp ATWS	Spread 4A	7244+90	0.22	Y	Y
Temp ATWS	Spread 4A	7248+23	0.17	Y	Y
Temp ATWS	Spread 4A	7248+63	0.15	Y	Y
Temp TS	Spread 4A	7256+32	0.34	Y	Y
Temp ATWS	Spread 4A	7257+96	0.13	Y	Y
Temp ATWS	Spread 4A	7260+00	0.17	Y	Y
Temp ATWS	Spread 4A	7262+64	0.17	Y	Y
Temp ATWS	Spread 4A	7265+87	0.17	Y	Y
Temp ATWS	Spread 4A	7268+86	0.15	Y	Y
Temp ATWS	Spread 4A	7269+08	0.17	Y	Y
Temp ATWS	Spread 4A	7276+29	0.30	Y	Y
Temp ATWS	Spread 4A	7276+37	0.17	Y	Y
Temp ATWS	Spread 4A	7279+70	0.23	Y	Y
Temp ATWS	Spread 4A	7279+89	0.16	Y	Y
Temp ATWS	Spread 4A	7281+54	0.22	Y	Y
Temp ATWS	Spread 4A	7284+74	0.17	Y	Y
Temp ATWS	Spread 4A	7284+77	0.17	Y	Y
Temp TS	Spread 4A	7288+51	0.28	Y	Y
Temp TS	Spread 4A	7297+57	0.14	Y	Y
Temp ATWS	Spread 4A	7299+56	0.17	Y	Y
Temp ATWS	Spread 4A	7299+72	0.18	Y	Y
Temp ATWS	Spread 4A	7301+41	0.18	Y	Y
Temp ATWS	Spread 4A	7301+70	0.15	Y	Y
Temp TS	Spread 4A	7302+98	0.16	Y	Y
Temp ATWS	Spread 4A	7304+49	0.14	Y	Y
Temp ATWS	Spread 4A	7305+10	0.17	Y	Y
Temp ATWS	Spread 4A	7308+15	0.17	N	Y
Temp ATWS	Spread 4A	7308+21	0.17	N	Y
Temp TS	Spread 4A	7312+06	0.36	N	N
Temp ATWS	Spread 4A	7316+00	0.17	N	N
Temp ATWS	Spread 4A	7316+70	0.17	N	N
Temp ATWS	Spread 4A	7319+87	0.17	N	N
Temp ATWS	Spread 4A	7320+47	0.14	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 4A	7321+82	0.14	N	N
Temp ATWS	Spread 4A	7323+69	0.17	N	N
Temp ATWS	Spread 4A	7323+81	0.17	N	N
Temp ATWS	Spread 4A	7328+93	0.18	N	N
Temp ATWS	Spread 4A	7329+30	0.16	N	N
Temp TS	Spread 4A	7332+18	0.32	N	N
Temp ATWS	Spread 4A	7335+76	0.17	N	N
Temp ATWS	Spread 4A	7335+97	0.17	N	N
Temp ATWS	Spread 4A	7339+19	0.17	N	N
Temp ATWS	Spread 4A	7339+19	0.17	N	N
Temp TS	Spread 4A	7342+89	0.34	N	N
Temp ATWS	Spread 4A	7346+26	0.17	N	N
Temp ATWS	Spread 4A	7346+62	0.18	N	N
Temp ATWS	Spread 4A	7348+11	0.18	N	N
Temp ATWS	Spread 4A	7348+49	0.17	N	N
Temp TS	Spread 4A	7350+44	0.19	N	N
Temp ATWS	Spread 4A	7352+77	0.17	N	N
Temp ATWS	Spread 4A	7353+12	0.17	N	N
Temp ATWS	Spread 4A	7355+90	0.17	N	N
Temp ATWS	Spread 4A	7356+17	0.17	N	N
Temp ATWS	Spread 4A	7361+04	0.17	N	N
Temp ATWS	Spread 4A	7361+87	0.17	N	N
Temp ATWS	Spread 4A	7366+71	0.15	N	N
Temp ATWS	Spread 4A	7368+64	0.18	N	N
Temp ATWS	Spread 4A	7371+20	0.12	Y	N
Temp ATWS	Spread 4A	7373+37	0.14	Y	N
Temp ATWS	Spread 4A	7374+47	0.15	Y	N
Temp TS	Spread 4A	7374+89	0.14	N	N
Temp ATWS	Spread 4A	7381+60	0.17	Y	N
Temp TS	Spread 4A	7391+49	0.31	N	N
Temp TS	Spread 4A	7400+73	0.27	N	N
Temp TS	Spread 4A	7408+45	0.37	N	N
Temp ATWS	Spread 4A	7412+75	0.17	N	N
Temp ATWS	Spread 4A	7413+17	0.16	N	N
Temp ATWS	Spread 4A	7417+06	0.13	N	N
Temp ATWS	Spread 4A	7418+12	0.07	Y	Y
Temp ATWS	Spread 4A	7420+37	0.18	Y	Y
Temp ATWS	Spread 4A	7425+22	0.17	Y	Y
Temp ATWS	Spread 4A	7426+11	0.16	Y	Y
Temp TS	Spread 4A	7446+66	0.45	Y	Y
Temp ATWS	Spread 4A	7452+13	0.15	Y	Y
Temp ATWS	Spread 4A	7453+78	0.18	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	7454+19	0.21	Y	Y
Temp TS	Spread 4A	7458+16	0.20	Y	N
Temp ATWS	Spread 4A	7460+24	0.16	Y	N
Temp ATWS	Spread 4A	7460+74	0.18	Y	N
Temp ATWS	Spread 4A	7463+30	0.12	Y	N
Temp ATWS	Spread 4A	7466+56	0.33	Y	N
Temp ATWS	Spread 4A	7467+51	0.26	Y	N
Temp ATWS	Spread 4A	7470+39	0.17	Y	N
Temp ATWS	Spread 4A	7472+12	0.17	Y	N
Temp TS	Spread 4A	7474+79	0.22	Y	N
Temp ATWS	Spread 4A	7476+88	0.15	Y	N
Temp ATWS	Spread 4A	7477+69	0.15	Y	N
Temp ATWS	Spread 4A	7480+77	0.06	N	N
Temp ATWS	Spread 4A	7481+60	0.17	Y	N
Temp ATWS	Spread 4A	7481+76	0.09	N	N
Temp ATWS	Spread 4A	7485+52	6.96	Y	N
Temp TS	Spread 4A	7488+28	0.74	N	N
Temp ATWS	Spread 4A	7495+82	0.17	N	N
Temp ATWS	Spread 4A	7497+80	0.15	N	N
Temp ATWS	Spread 4A	7498+89	0.18	N	N
Temp ATWS	Spread 4A	7499+42	0.15	N	N
Temp ATWS	Spread 4A	7500+74	0.16	N	N
Temp TS	Spread 4A	7503+50	0.27	N	N
Temp ATWS	Spread 4A	7507+68	0.17	N	N
Temp ATWS	Spread 4A	7507+88	0.17	N	N
Temp ATWS	Spread 4A	7510+80	0.17	N	N
Temp ATWS	Spread 4A	7512+41	0.14	N	N
Temp TS	Spread 4A	7514+19	0.30	N	N
Temp ATWS	Spread 4A	7517+46	0.17	N	N
Temp ATWS	Spread 4A	7517+60	0.17	N	N
Temp ATWS	Spread 4A	7519+30	0.16	Y	Y
Temp ATWS	Spread 4A	7519+45	0.18	Y	Y
Temp TS	Spread 4A	7522+71	0.50	Y	Y
Temp ATWS	Spread 4A	7546+00	0.17	N	N
Temp ATWS	Spread 4A	7546+20	0.17	N	N
Temp ATWS	Spread 4A	7549+84	0.18	Y	Y
Temp ATWS	Spread 4A	7550+23	0.16	Y	Y
Temp ATWS	Spread 4A	7568+59	0.17	Y	Y
Temp ATWS	Spread 4A	7569+23	0.17	Y	Y
Temp ATWS	Spread 4A	7572+16	0.17	Y	Y
Temp ATWS	Spread 4A	7573+12	0.17	Y	Y
Temp ATWS	Spread 4A	7576+26	0.18	Y	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	7576+36	0.15	Y	Y
Temp ATWS	Spread 4A	7579+60	0.28	Y	Y
Temp ATWS	Spread 4A	7580+06	0.17	Y	Y
Temp ATWS	Spread 4A	7582+35	0.24	Y	Y
Temp ATWS	Spread 4A	7582+41	0.28	Y	Y
Temp ATWS	Spread 4A	7586+52	0.16	Y	Y
Temp ATWS	Spread 4A	7586+52	0.16	Y	Y
Temp TS	Spread 4A	7591+72	0.52	Y	Y
Temp ATWS	Spread 4A	7591+72	6.19	Y	Y
Temp ATWS	Spread 4A	7596+96	0.17	Y	Y
Temp ATWS	Spread 4A	7597+15	0.18	Y	Y
Temp ATWS	Spread 4A	7598+65	0.18	N	N
Temp ATWS	Spread 4A	7599+70	0.27	N	N
Temp ATWS	Spread 4A	7617+26	0.16	N	N
Temp ATWS	Spread 4A	7617+83	0.18	N	N
Temp ATWS	Spread 4A	7620+92	0.17	N	N
Temp ATWS	Spread 4A	7621+05	0.17	N	N
Temp ATWS	Spread 4A	7668+95	0.18	N	N
Temp ATWS	Spread 4A	7671+21	0.18	N	N
Temp ATWS	Spread 4A	7713+06	0.17	N	N
Temp ATWS	Spread 4A	7713+23	0.18	N	N
Temp ATWS	Spread 4A	7718+18	0.18	N	N
Temp ATWS	Spread 4A	7721+22	0.33	Y	Y
Temp ATWS	Spread 4A	7721+24	0.17	Y	Y
Temp TS	Spread 4A	7727+45	0.19	Y	Y
Temp ATWS	Spread 4A	7728+66	0.17	Y	Y
Temp ATWS	Spread 4A	7731+39	0.02	Y	Y
Temp ATWS	Spread 4A	7731+90	0.14	Y	Y
Temp ATWS	Spread 4A	7732+37	0.12	Y	Y
Temp TS	Spread 4A	7745+65	0.20	Y	Y
Temp ATWS	Spread 4A	7747+97	0.17	Y	Y
Temp ATWS	Spread 4A	7748+24	0.17	Y	Y
Temp ATWS	Spread 4A	7753+48	0.18	Y	Y
Temp ATWS	Spread 4A	7754+49	0.17	Y	Y
Temp ATWS	Spread 4A	7776+70	0.16	Y	N
Temp ATWS	Spread 4A	7776+93	0.17	Y	N
Temp ATWS	Spread 4A	7779+86	0.17	Y	N
Temp ATWS	Spread 4A	7781+54	0.17	Y	N
Temp ATWS	Spread 4A	7787+37	0.19	Y	N
Temp ATWS	Spread 4A	7788+58	0.17	Y	N
Temp ATWS	Spread 4A	7791+96	0.17	Y	N
Temp ATWS	Spread 4A	7791+96	0.17	Y	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 4A	7791+96	0.09	Y	N
Temp TS	Spread 4A	7795+97	0.37	N	N
Temp ATWS	Spread 4A	7799+59	0.15	Y	N
Temp TS	Spread 4A	7799+86	0.07	Y	N
Temp ATWS	Spread 4A	7799+93	0.16	Y	N
Temp ATWS	Spread 4A	7802+10	0.05	Y	N
Temp ATWS	Spread 4A	7802+75	0.13	Y	N
Temp ATWS	Spread 4A	7803+38	0.11	N	N
Temp ATWS	Spread 4A	7804+46	0.15	N	N
Temp ATWS	Spread 4A	7818+40	0.14	Y	N
Temp ATWS	Spread 4A	7818+50	0.17	Y	N
Temp ATWS	Spread 4A	7824+13	0.32	Y	N
Temp ATWS	Spread 4A	7824+36	0.27	Y	N
Temp ATWS	Spread 4A	7829+10	0.18	Y	N
Temp ATWS	Spread 4A	7829+22	0.16	Y	N
Temp ATWS	Spread 4A	7852+48	0.16	N	N
Temp ATWS	Spread 4A	7853+39	0.17	N	N
Temp ATWS	Spread 4A	7857+04	0.17	N	N
Temp ATWS	Spread 4A	7857+94	0.16	N	N
Temp ATWS	Spread 4A	7984+58	0.17	N	N
Temp ATWS	Spread 4A	7985+12	0.17	N	N
Temp ATWS	Spread 4A	7989+78	0.12	N	N
Temp ATWS	Spread 4A	7989+84	0.17	N	N
Temp ATWS	Spread 4A	7990+72	0.02	N	N
Temp ATWS	Spread 4A	7995+37	0.17	N	N
Temp ATWS	Spread 4A	7997+22	0.16	N	N
Temp ATWS	Spread 4A	8003+20	0.17	N	N
Temp ATWS	Spread 4A	8004+09	0.17	N	N
Temp ATWS	Spread 4A	8014+90	0.17	Y	N
Temp ATWS	Spread 4A	8015+53	0.17	Y	N
Temp ATWS	Spread 4A	8018+24	0.17	Y	N
Temp ATWS	Spread 4A	8019+40	0.14	Y	N
Temp ATWS	Spread 4A	8023+23	0.12	Y	N
Temp ATWS	Spread 4A	8023+52	0.17	Y	N
Temp ATWS	Spread 4A	8026+85	0.17	Y	N
Temp ATWS	Spread 4A	8026+87	0.00	Y	N
Temp ATWS	Spread 4A	8027+01	0.12	Y	N
Temp ATWS	Spread 4A	8027+13	0.00	Y	N
Temp ATWS	Spread 4A	8032+92	0.17	Y	N
Temp ATWS	Spread 4A	8033+18	0.17	Y	N
Temp ATWS	Spread 4A	8036+63	0.16	N	N
Temp ATWS	Spread 4A	8037+20	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	8107+25	0.13	N	N
Temp ATWS	Spread 4A	8107+28	0.16	N	N
Temp ATWS	Spread 4A	8108+18	0.01	N	N
Temp ATWS	Spread 4A	8110+76	0.06	N	N
Temp ATWS	Spread 4A	8110+88	0.14	N	N
Temp ATWS	Spread 4A	8111+81	0.06	N	N
Temp ATWS	Spread 4A	8125+99	0.02	N	N
Temp ATWS	Spread 4A	8126+88	0.06	N	N
Temp ATWS	Spread 4A	8126+95	0.08	N	N
Temp ATWS	Spread 4A	8127+78	0.05	N	N
Temp ATWS	Spread 4A	8130+39	0.15	N	N
Temp ATWS	Spread 4A	8132+62	0.17	N	N
Temp ATWS	Spread 4A	8136+00	0.12	N	N
Temp ATWS	Spread 4A	8136+31	0.03	N	N
Temp ATWS	Spread 4A	8136+97	0.04	N	N
Temp ATWS	Spread 4A	8137+22	0.00	N	N
Temp ATWS	Spread 4A	8139+97	0.19	N	N
Temp ATWS	Spread 4A	8141+55	0.17	N	N
Temp TS	Spread 4A	8179+26	0.49	N	N
Temp ATWS	Spread 4A	8182+65	0.17	N	N
Temp ATWS	Spread 4A	8184+51	0.16	N	N
Temp TS	Spread 4A	8184+51	0.08	N	N
Temp ATWS	Spread 4A	8187+10	0.17	N	N
Temp TS	Spread 4A	8187+12	0.08	N	N
Temp ATWS	Spread 4A	8187+83	0.11	N	N
Temp TS	Spread 4A	8189+69	0.22	Y	N
Temp TS	Spread 4A	8192+76	0.14	N	N
Temp ATWS	Spread 4A	8192+92	0.06	N	N
Temp TS	Spread 4A	8194+46	0.05	N	N
Temp ATWS	Spread 4A	8194+46	0.06	N	N
Temp TS	Spread 4A	8196+56	0.05	N	N
Temp ATWS	Spread 4A	8196+56	0.05	N	N
Temp ATWS	Spread 4A	8197+59	0.06	N	N
Temp TS	Spread 4A	8198+40	0.16	N	N
Temp TS	Spread 4A	8204+00	0.38	Y	N
Temp ATWS	Spread 4A	8208+07	0.17	Y	N
Temp TS	Spread 4A	8208+07	0.09	Y	N
Temp TS	Spread 4A	8209+16	0.03	Y	N
Temp ATWS	Spread 4A	8210+12	0.16	Y	N
Temp TS	Spread 4A	8210+14	0.08	Y	N
Temp TS	Spread 4A	8212+31	0.06	N	N
Temp ATWS	Spread 4A	8212+42	0.15	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 4A	8213+28	0.17	Y	N
Temp TS	Spread 4A	8213+91	0.08	N	N
Temp TS	Spread 4A	8215+19	0.07	Y	Y
Temp ATWS	Spread 4A	8215+27	0.16	Y	Y
Temp ATWS	Spread 4A	8215+81	0.18	Y	Y
Temp TS	Spread 4A	8216+84	0.13	N	N
Temp ATWS	Spread 4A	8217+10	0.21	N	Y
Temp ATWS	Spread 4A	8218+13	0.12	N	Y
Temp TS	Spread 4A	8225+71	1.01	N	N
Temp TS	Spread 4A	8235+44	0.06	Y	N
Temp ATWS	Spread 4A	8235+58	0.16	Y	N
Temp ATWS	Spread 4A	8235+94	0.18	Y	N
Temp ATWS	Spread 4A	8237+43	0.19	Y	Y
Temp ATWS	Spread 4A	8237+80	0.17	Y	Y
Temp TS	Spread 4A	8240+97	0.31	Y	N
Temp TS	Spread 4A	8244+30	0.07	N	N
Temp ATWS	Spread 4A	8244+47	0.17	N	N
Temp ATWS	Spread 4A	8245+80	0.16	Y	N
Temp TS	Spread 4A	8248+25	0.07	N	N
Temp ATWS	Spread 4A	8248+34	0.15	Y	N
Temp ATWS	Spread 4A	8248+92	0.16	N	N
Temp TS	Spread 4A	8263+01	1.57	N	N
Temp TS	Spread 4A	8280+67	0.44	N	N
Temp ATWS	Spread 4A	8284+90	0.17	N	N
Temp ATWS	Spread 4A	8284+94	0.17	N	N
Temp TS	Spread 4A	8284+95	0.09	N	N
Temp ATWS	Spread 4A	8287+73	0.20	N	N
Temp ATWS	Spread 4A	8287+90	0.21	N	N
Temp TS	Spread 4A	8287+90	0.11	N	N
Temp ATWS	Spread 4A	8290+23	0.18	N	N
Temp TS	Spread 4A	8290+24	0.09	N	N
Temp TS	Spread 4A	8295+77	0.60	N	N
Temp ATWS	Spread 4A	8301+72	6.93	N	N
Temp TS	Spread 4A	8304+21	0.11	N	N
Temp ATWS	Spread 5	10022+53	1.23	Y	N
Temp ATWS	Spread 5	10034+28	0.17	Y	N
Temp ATWS	Spread 5	10034+88	0.17	Y	N
Temp ATWS	Spread 5	10044+02	0.33	N	N
Temp ATWS	Spread 5	10057+18	2.46	N	N
Temp ATWS	Spread 5	10061+73	0.14	N	N
Temp ATWS	Spread 5	10062+22	0.17	N	N
Temp ATWS	Spread 5	10064+40	0.16	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	10224+16	0.17	N	N
Temp ATWS	Spread 5	10224+60	0.17	N	N
Temp ATWS	Spread 5	10228+53	0.09	N	N
Temp ATWS	Spread 5	10229+70	0.17	N	N
Temp ATWS	Spread 5	10263+96	0.07	N	N
Temp ATWS	Spread 5	10272+56	0.27	N	N
Temp TS	Spread 5	8307+15	0.23	N	N
Temp TS	Spread 5	8311+60	0.14	N	N
Temp TS	Spread 5	8326+16	0.50	N	N
Temp TS	Spread 5	8332+28	0.09	N	N
Temp TS	Spread 5	8338+25	0.43	N	N
Temp TS	Spread 5	8366+41	0.53	N	N
Temp ATWS	Spread 5	8371+79	0.15	N	N
Temp ATWS	Spread 5	8371+81	0.17	N	N
Temp ATWS	Spread 5	8373+30	0.11	N	N
Temp ATWS	Spread 5	8373+76	0.16	N	N
Temp TS	Spread 5	8378+50	0.26	N	N
Temp TS	Spread 5	8382+57	0.33	N	N
Temp TS	Spread 5	8392+60	0.63	N	N
Temp TS	Spread 5	8420+15	0.05	N	N
Temp TS	Spread 5	8430+48	1.42	N	N
Temp TS	Spread 5	8452+73	0.68	N	N
Temp ATWS	Spread 5	8463+23	0.17	N	N
Temp ATWS	Spread 5	8463+23	0.17	N	N
Temp ATWS	Spread 5	8466+33	0.14	N	N
Temp TS	Spread 5	8467+54	0.11	N	N
Temp ATWS	Spread 5	8467+61	0.29	N	N
Temp ATWS	Spread 5	8468+01	0.17	N	N
Temp ATWS	Spread 5	8470+13	0.17	N	N
Temp ATWS	Spread 5	8470+25	0.17	N	N
Temp TS	Spread 5	8480+76	1.11	N	N
Temp ATWS	Spread 5	8489+85	0.15	N	N
Temp ATWS	Spread 5	8491+16	0.16	N	N
Temp ATWS	Spread 5	8491+54	0.16	N	N
Temp ATWS	Spread 5	8492+86	0.15	N	N
Temp ATWS	Spread 5	8512+99	0.17	N	N
Temp ATWS	Spread 5	8513+77	0.17	N	N
Temp ATWS	Spread 5	8515+71	0.17	N	N
Temp ATWS	Spread 5	8516+56	0.17	N	N
Temp TS	Spread 5	8516+56	0.09	N	N
Temp TS	Spread 5	8521+63	0.49	N	N
Temp ATWS	Spread 5	8526+65	0.16	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	8527+11	0.14	N	N
Temp ATWS	Spread 5	8530+46	0.16	N	N
Temp ATWS	Spread 5	8530+88	0.17	N	N
Temp TS	Spread 5	8532+51	0.10	N	N
Temp ATWS	Spread 5	8534+78	0.15	N	N
Temp ATWS	Spread 5	8535+05	0.16	N	N
Temp ATWS	Spread 5	8536+47	0.17	N	N
Temp ATWS	Spread 5	8536+88	0.17	N	N
Temp TS	Spread 5	8556+38	0.52	N	N
Temp TS	Spread 5	8577+82	0.90	N	N
Temp ATWS	Spread 5	8591+27	0.22	N	N
Temp ATWS	Spread 5	8591+67	0.24	N	N
Temp ATWS	Spread 5	8593+86	0.15	N	N
Temp ATWS	Spread 5	8622+66	0.17	N	N
Temp TS	Spread 5	8637+33	0.68	N	N
Temp TS	Spread 5	8654+81	0.44	N	N
Temp TS	Spread 5	8668+11	0.26	N	N
Temp TS	Spread 5	8675+42	0.47	N	N
Temp ATWS	Spread 5	8694+63	0.17	N	N
Temp ATWS	Spread 5	8694+91	0.17	N	N
Temp ATWS	Spread 5	8696+61	0.17	N	N
Temp ATWS	Spread 5	8696+90	0.17	N	N
Temp TS	Spread 5	8696+93	0.08	N	N
Temp TS	Spread 5	8700+39	0.31	N	N
Temp TS	Spread 5	8721+81	0.40	N	N
Temp ATWS	Spread 5	8728+95	0.15	N	N
Temp ATWS	Spread 5	8731+91	0.19	N	N
Temp ATWS	Spread 5	8732+03	0.17	N	N
Temp TS	Spread 5	8732+06	0.08	N	N
Temp TS	Spread 5	8736+69	0.60	N	N
Temp ATWS	Spread 5	8743+27	0.08	N	N
Temp ATWS	Spread 5	8746+04	0.08	N	N
Temp TS	Spread 5	8747+65	0.10	N	N
Temp ATWS	Spread 5	8748+58	0.17	N	N
Temp TS	Spread 5	8748+63	0.09	N	N
Temp ATWS	Spread 5	8750+36	0.17	N	N
Temp TS	Spread 5	8753+98	0.15	N	N
Temp ATWS	Spread 5	8757+93	0.09	N	N
Temp TS	Spread 5	8765+28	0.87	N	N
Temp ATWS	Spread 5	8776+09	0.17	N	N
Temp ATWS	Spread 5	8776+22	0.18	N	N
Temp ATWS	Spread 5	8778+05	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	8778+18	0.18	N	N
Temp ATWS	Spread 5	8779+84	0.18	N	N
Temp ATWS	Spread 5	8780+00	0.16	N	N
Temp TS	Spread 5	8793+61	1.27	N	N
Temp TS	Spread 5	8816+95	1.17	N	N
Temp TS	Spread 5	8837+92	0.28	N	N
Temp TS	Spread 5	8846+59	0.11	N	N
Temp ATWS	Spread 5	8893+89	0.08	N	N
Temp ATWS	Spread 5	8894+93	0.08	N	N
Temp ATWS	Spread 5	8897+03	0.16	N	N
Temp ATWS	Spread 5	8898+17	0.15	N	N
Temp ATWS	Spread 5	8923+88	0.16	N	N
Temp ATWS	Spread 5	8924+09	0.16	N	N
Temp ATWS	Spread 5	8925+60	0.17	N	N
Temp ATWS	Spread 5	8984+65	0.17	N	N
Temp ATWS	Spread 5	8988+46	0.08	N	N
Temp ATWS	Spread 5	8990+48	0.11	N	N
Temp ATWS	Spread 5	8992+75	0.17	N	N
Temp TS	Spread 5	9008+25	0.37	N	N
Temp ATWS	Spread 5	9015+79	0.17	N	N
Temp ATWS	Spread 5	9017+99	0.17	N	N
Temp ATWS	Spread 5	9044+03	0.17	N	N
Temp ATWS	Spread 5	9045+70	0.16	N	N
Temp ATWS	Spread 5	9048+41	0.17	N	N
Temp TS	Spread 5	9048+41	0.08	N	N
Temp ATWS	Spread 5	9048+58	0.17	N	N
Temp TS	Spread 5	9049+44	0.03	N	N
Temp ATWS	Spread 5	9066+42	0.17	N	N
Temp TS	Spread 5	9067+06	0.07	N	N
Temp ATWS	Spread 5	9067+08	0.14	N	N
Temp ATWS	Spread 5	9069+84	0.22	N	N
Temp ATWS	Spread 5	9070+26	0.08	N	N
Temp TS	Spread 5	9070+34	0.03	N	N
Temp ATWS	Spread 5	9071+86	0.03	N	N
Temp ATWS	Spread 5	9072+72	0.04	N	N
Temp TS	Spread 5	9073+91	0.24	N	N
Temp ATWS	Spread 5	9080+03	0.11	N	N
Temp ATWS	Spread 5	9082+32	0.16	N	N
Temp ATWS	Spread 5	9082+51	0.15	N	N
Temp TS	Spread 5	9082+89	0.04	N	N
Temp ATWS	Spread 5	9084+04	0.14	N	N
Temp TS	Spread 5	9084+80	0.19	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	9094+21	1.20	N	N
Temp TS	Spread 5	9097+74	0.49	N	N
Temp ATWS	Spread 5	9102+01	0.16	N	N
Temp ATWS	Spread 5	9102+71	0.16	N	N
Temp TS	Spread 5	9102+78	0.09	N	N
Temp ATWS	Spread 5	9103+76	0.16	N	N
Temp ATWS	Spread 5	9104+52	0.18	N	N
Temp TS	Spread 5	9104+60	0.08	N	N
Temp ATWS	Spread 5	9105+17	9.52	N	N
Temp ATWS	Spread 5	9106+63	2.18	N	N
Temp TS	Spread 5	9107+80	0.29	N	N
Temp ATWS	Spread 5	9110+70	0.17	N	N
Temp ATWS	Spread 5	9111+04	0.17	N	N
Temp TS	Spread 5	9111+07	0.09	N	N
Temp ATWS	Spread 5	9115+94	0.17	N	N
Temp ATWS	Spread 5	9116+09	0.17	N	N
Temp TS	Spread 5	9116+09	0.09	N	N
Temp TS	Spread 5	9118+21	0.17	N	N
Temp TS	Spread 5	9127+24	0.82	N	N
Temp TS	Spread 5	9180+51	1.04	N	N
Temp ATWS	Spread 5	9186+99	0.17	N	N
Temp ATWS	Spread 5	9189+17	0.07	N	N
Temp TS	Spread 5	9189+17	0.04	N	N
Temp ATWS	Spread 5	9191+26	0.13	N	N
Temp ATWS	Spread 5	9193+73	0.17	N	N
Temp TS	Spread 5	9193+73	0.09	N	N
Temp TS	Spread 5	9196+08	0.19	N	N
Temp ATWS	Spread 5	9198+18	0.05	N	N
Temp ATWS	Spread 5	9200+07	0.06	N	N
Temp ATWS	Spread 5	9202+22	0.05	N	N
Temp ATWS	Spread 5	9204+19	0.05	N	N
Temp TS	Spread 5	9214+04	1.11	N	N
Temp TS	Spread 5	9224+15	0.05	N	N
Temp ATWS	Spread 5	9224+20	0.05	N	N
Temp ATWS	Spread 5	9224+86	0.05	N	N
Temp TS	Spread 5	9225+44	0.06	N	N
Temp ATWS	Spread 5	9225+49	0.05	N	N
Temp ATWS	Spread 5	9226+18	0.05	N	N
Temp TS	Spread 5	9229+66	0.43	N	N
Temp TS	Spread 5	9234+02	0.06	N	N
Temp ATWS	Spread 5	9234+03	0.06	N	N
Temp TS	Spread 5	9235+35	0.09	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 5	9236+54	0.04	N	N
Temp ATWS	Spread 5	9236+54	0.04	N	N
Temp TS	Spread 5	9238+35	0.02	N	N
Temp ATWS	Spread 5	9238+35	0.02	N	N
Temp ATWS	Spread 5	9241+02	0.06	N	N
Temp TS	Spread 5	9256+47	2.10	N	N
Temp ATWS	Spread 5	9275+17	0.17	N	N
Temp ATWS	Spread 5	9275+46	0.17	N	N
Temp TS	Spread 5	9275+46	0.08	N	N
Temp TS	Spread 5	9279+31	0.06	N	N
Temp ATWS	Spread 5	9279+31	0.13	N	N
Temp ATWS	Spread 5	9279+85	0.17	N	N
Temp TS	Spread 5	9280+47	0.07	N	N
Temp ATWS	Spread 5	9282+16	0.17	N	N
Temp TS	Spread 5	9282+16	0.09	N	N
Temp ATWS	Spread 5	9282+38	0.13	N	N
Temp ATWS	Spread 5	9284+25	0.17	N	N
Temp TS	Spread 5	9284+44	0.06	N	N
Temp ATWS	Spread 5	9284+46	0.15	N	N
Temp TS	Spread 5	9303+68	2.04	N	N
Temp TS	Spread 5	9340+75	0.96	N	N
Temp ATWS	Spread 5	9350+18	0.17	N	N
Temp TS	Spread 5	9350+18	0.08	N	N
Temp ATWS	Spread 5	9350+20	0.17	N	N
Temp ATWS	Spread 5	9352+51	0.17	N	N
Temp ATWS	Spread 5	9352+52	0.17	N	N
Temp TS	Spread 5	9352+52	0.09	N	N
Temp TS	Spread 5	9357+75	0.61	N	N
Temp ATWS	Spread 5	9362+51	0.17	N	N
Temp ATWS	Spread 5	9364+35	0.08	N	N
Temp TS	Spread 5	9366+51	0.07	N	N
Temp ATWS	Spread 5	9366+51	0.14	N	N
Temp ATWS	Spread 5	9368+53	0.17	N	N
Temp TS	Spread 5	9383+54	1.53	N	N
Temp TS	Spread 5	9394+76	0.07	N	N
Temp ATWS	Spread 5	9394+88	0.17	N	N
Temp ATWS	Spread 5	9395+51	0.13	N	N
Temp ATWS	Spread 5	9397+75	0.14	N	N
Temp TS	Spread 5	9397+75	0.07	N	N
Temp TS	Spread 5	9399+77	0.22	N	N
Temp ATWS	Spread 5	9400+55	0.17	N	N
Temp TS	Spread 5	9419+99	1.82	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 5	9436+52	0.06	N	N
Temp TS	Spread 5	9439+29	0.28	N	N
Temp TS	Spread 5	9442+03	0.02	N	N
Temp TS	Spread 5	9448+61	0.70	N	N
Temp TS	Spread 5	9456+95	0.06	N	N
Temp ATWS	Spread 5	9457+21	0.15	N	N
Temp ATWS	Spread 5	9457+87	0.16	N	N
Temp TS	Spread 5	9459+38	0.09	N	N
Temp ATWS	Spread 5	9459+41	0.17	N	N
Temp ATWS	Spread 5	9459+78	0.16	N	N
Temp TS	Spread 5	9462+17	0.23	N	N
Temp ATWS	Spread 5	9462+32	0.17	N	N
Temp ATWS	Spread 5	9464+48	0.07	N	N
Temp TS	Spread 5	9464+48	0.03	N	N
Temp TS	Spread 5	9466+59	0.07	N	N
Temp ATWS	Spread 5	9466+60	0.13	N	N
Temp TS	Spread 5	9467+58	0.05	N	N
Temp ATWS	Spread 5	9468+80	0.17	N	N
Temp TS	Spread 5	9468+80	0.08	N	N
Temp ATWS	Spread 5	9471+07	0.17	N	N
Temp TS	Spread 5	9471+07	0.09	N	N
Temp ATWS	Spread 5	9471+14	0.15	N	N
Temp TS	Spread 5	9474+27	0.28	N	N
Temp TS	Spread 5	9484+17	0.72	N	N
Temp TS	Spread 5	9493+14	0.22	N	N
Temp TS	Spread 5	9500+46	0.57	N	N
Temp ATWS	Spread 5	9506+11	0.16	N	N
Temp TS	Spread 5	9506+15	0.08	N	N
Temp TS	Spread 5	9515+78	0.23	N	N
Temp TS	Spread 5	9518+65	0.05	N	N
Temp ATWS	Spread 5	9518+87	0.16	N	N
Temp ATWS	Spread 5	9520+46	0.24	N	N
Temp TS	Spread 5	9521+15	0.12	N	N
Temp ATWS	Spread 5	9521+36	0.18	N	N
Temp ATWS	Spread 5	9541+05	0.12	N	N
Temp ATWS	Spread 5	9541+75	0.28	N	N
Temp ATWS	Spread 5	9544+70	0.17	N	N
Temp TS	Spread 5	9556+49	1.03	N	N
Temp ATWS	Spread 5	9598+84	0.17	N	N
Temp ATWS	Spread 5	9599+24	0.17	N	N
Temp ATWS	Spread 5	9602+42	0.10	N	N
Temp ATWS	Spread 5	9603+58	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 5	9618+56	0.72	N	N
Temp ATWS	Spread 5	9628+03	0.12	N	N
Temp ATWS	Spread 5	9628+26	0.17	N	N
Temp ATWS	Spread 5	9631+44	0.14	N	N
Temp ATWS	Spread 5	9631+81	0.17	N	N
Temp TS	Spread 5	9642+24	0.14	N	N
Temp TS	Spread 5	9647+77	0.18	N	N
Temp ATWS	Spread 5	9657+79	0.16	N	N
Temp ATWS	Spread 5	9658+18	0.17	N	N
Temp ATWS	Spread 5	9659+10	0.07	N	N
Temp ATWS	Spread 5	9659+95	0.16	N	N
Temp TS	Spread 5	9660+00	0.08	N	N
Temp TS	Spread 5	9661+49	0.10	N	N
Temp ATWS	Spread 5	9663+06	0.17	N	N
Temp ATWS	Spread 5	9663+07	0.17	N	N
Temp TS	Spread 5	9663+07	0.09	N	N
Temp ATWS	Spread 5	9666+99	0.14	N	N
Temp ATWS	Spread 5	9667+29	0.27	N	N
Temp ATWS	Spread 5	9668+49	0.16	N	N
Temp ATWS	Spread 5	9673+58	0.13	N	N
Temp ATWS	Spread 5	9674+01	0.17	N	N
Temp TS	Spread 5	9684+92	0.18	N	N
Temp ATWS	Spread 5	9692+89	0.17	N	N
Temp ATWS	Spread 5	9693+90	0.10	N	N
Temp ATWS	Spread 5	9697+35	0.17	N	N
Temp ATWS	Spread 5	9698+51	0.17	N	N
Temp ATWS	Spread 5	9705+11	0.11	N	N
Temp ATWS	Spread 5	9706+00	0.15	N	N
Temp ATWS	Spread 5	9708+00	0.17	N	N
Temp ATWS	Spread 5	9708+60	0.17	N	N
Temp ATWS	Spread 5	9717+53	0.15	N	N
Temp ATWS	Spread 5	9718+57	0.09	N	N
Temp ATWS	Spread 5	9719+08	0.06	N	N
Temp ATWS	Spread 5	9720+00	0.15	N	N
Temp ATWS	Spread 5	9720+46	0.18	N	N
Temp ATWS	Spread 5	9723+58	0.12	N	N
Temp ATWS	Spread 5	9726+61	0.17	N	N
Temp ATWS	Spread 5	9727+68	0.17	N	N
Temp ATWS	Spread 5	9732+72	0.17	N	N
Temp ATWS	Spread 5	9732+89	0.17	N	N
Temp ATWS	Spread 5	9740+02	0.18	N	N
Temp ATWS	Spread 5	9749+03	0.86	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	9763+38	0.16	N	N
Temp ATWS	Spread 5	9765+29	0.17	N	N
Temp ATWS	Spread 5	9768+71	0.11	N	N
Temp ATWS	Spread 5	9769+87	0.17	N	N
Temp ATWS	Spread 5	9776+02	0.18	N	N
Temp ATWS	Spread 5	9776+11	0.09	N	N
Temp ATWS	Spread 5	9780+19	0.09	N	N
Temp ATWS	Spread 5	9784+31	0.17	N	N
Temp ATWS	Spread 5	9793+68	0.17	N	N
Temp ATWS	Spread 5	9794+67	0.17	N	N
Temp ATWS	Spread 5	9798+25	0.17	N	N
Temp ATWS	Spread 5	9799+38	0.27	N	N
Temp ATWS	Spread 5	9800+08	0.13	N	N
Temp ATWS	Spread 5	9804+27	0.16	N	N
Temp ATWS	Spread 5	9804+78	0.17	N	N
Temp ATWS	Spread 5	9805+62	0.14	N	N
Temp ATWS	Spread 5	9806+17	0.14	N	N
Temp ATWS	Spread 5	9809+46	0.16	N	N
Temp ATWS	Spread 5	9809+92	0.17	N	N
Temp ATWS	Spread 5	9810+92	0.17	N	N
Temp ATWS	Spread 5	9811+83	0.10	N	N
Temp ATWS	Spread 5	9817+04	0.17	N	N
Temp ATWS	Spread 5	9819+73	0.17	N	N
Temp ATWS	Spread 5	9821+22	0.17	N	N
Temp ATWS	Spread 5	9822+95	0.18	N	N
Temp ATWS	Spread 5	9822+97	0.16	N	N
Temp ATWS	Spread 5	9828+34	0.13	N	N
Temp ATWS	Spread 5	9828+91	0.17	N	N
Temp ATWS	Spread 5	9837+18	0.17	N	N
Temp ATWS	Spread 5	9837+94	0.17	N	N
Temp ATWS	Spread 5	9840+69	0.19	N	N
Temp ATWS	Spread 5	9841+28	0.32	N	N
Temp ATWS	Spread 5	9844+30	0.13	N	N
Temp ATWS	Spread 5	9845+24	0.18	N	N
Temp ATWS	Spread 5	9855+16	0.16	N	N
Temp ATWS	Spread 5	9855+98	0.16	N	N
Temp ATWS	Spread 5	9859+06	0.15	N	N
Temp ATWS	Spread 5	9863+68	0.15	N	N
Temp ATWS	Spread 5	9865+71	0.17	N	N
Temp ATWS	Spread 5	9866+87	0.17	N	N
Temp ATWS	Spread 5	9872+05	0.17	N	N
Temp TS	Spread 5	9872+19	0.07	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5	9873+48	0.31	N	N
Temp TS	Spread 5	9873+73	0.10	N	N
Temp ATWS	Spread 5	9875+33	0.17	N	N
Temp TS	Spread 5	9879+63	0.11	N	N
Temp ATWS	Spread 5	9882+29	0.17	N	N
Temp TS	Spread 5	9882+29	0.09	N	N
Temp ATWS	Spread 5	9883+74	0.12	N	N
Temp TS	Spread 5	9885+81	0.35	N	N
Temp ATWS	Spread 5	9887+54	0.16	N	N
Temp ATWS	Spread 5	9890+01	0.15	N	N
Temp TS	Spread 5	9890+05	0.08	N	N
Temp ATWS	Spread 5	9892+75	0.16	N	N
Temp ATWS	Spread 5	9893+57	0.16	N	N
Temp TS	Spread 5	9893+62	0.07	N	N
Temp TS	Spread 5	9895+22	0.09	N	N
Temp ATWS	Spread 5	9900+54	0.15	N	N
Temp ATWS	Spread 5	9903+26	0.07	N	N
Temp ATWS	Spread 5	9904+26	0.22	N	N
Temp ATWS	Spread 5	9904+66	0.14	N	N
Temp ATWS	Spread 5	9908+93	0.15	N	N
Temp ATWS	Spread 5	9909+01	0.17	N	N
Temp ATWS	Spread 5	9916+37	0.17	N	N
Temp ATWS	Spread 5	9916+93	0.16	N	N
Temp TS	Spread 5	9921+83	0.06	N	N
Temp ATWS	Spread 5	9922+07	0.16	N	N
Temp TS	Spread 5	9924+41	0.06	N	N
Temp ATWS	Spread 5	9937+19	0.15	N	N
Temp ATWS	Spread 5	9955+54	1.57	Y	Y
Temp ATWS	Spread 5	9957+79	0.29	Y	Y
Temp ATWS	Spread 5	9965+89	0.91	Y	Y
Temp ATWS	Spread 5	9968+34	3.61	Y	Y
Temp ATWS	Spread 5B	10273+67	0.16	N	N
Temp ATWS	Spread 5B	10274+35	0.23	N	N
Temp ATWS	Spread 5B	10276+46	0.26	N	N
Temp ATWS	Spread 5B	10276+54	0.16	N	N
Temp ATWS	Spread 5B	10291+71	0.17	N	N
Temp ATWS	Spread 5B	10296+19	0.09	N	N
Temp TS	Spread 5B	10298+19	0.10	N	N
Temp TS	Spread 5B	10300+05	0.06	N	N
Temp ATWS	Spread 5B	10301+28	0.17	N	N
Temp ATWS	Spread 5B	10301+35	0.17	N	N
Temp TS	Spread 5B	10301+35	0.09	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	10304+35	0.17	N	N
Temp TS	Spread 5B	10304+57	0.09	N	N
Temp ATWS	Spread 5B	10304+59	0.17	N	N
Temp TS	Spread 5B	10308+13	0.32	N	N
Temp ATWS	Spread 5B	10317+11	0.17	N	N
Temp ATWS	Spread 5B	10318+15	0.13	N	N
Temp ATWS	Spread 5B	10320+59	0.16	N	N
Temp ATWS	Spread 5B	10321+90	0.17	N	N
Temp ATWS	Spread 5B	10330+82	0.16	N	N
Temp ATWS	Spread 5B	10330+97	0.13	N	N
Temp ATWS	Spread 5B	10333+73	0.09	N	N
Temp ATWS	Spread 5B	10335+28	0.17	N	N
Temp ATWS	Spread 5B	10379+89	0.17	N	N
Temp ATWS	Spread 5B	10379+91	0.17	N	N
Temp ATWS	Spread 5B	10384+53	0.11	N	N
Temp ATWS	Spread 5B	10385+57	0.16	N	N
Temp ATWS	Spread 5B	10387+78	0.17	N	N
Temp ATWS	Spread 5B	10388+07	0.17	N	N
Temp ATWS	Spread 5B	10391+90	0.17	N	N
Temp ATWS	Spread 5B	10392+14	0.17	N	N
Temp TS	Spread 5B	10399+62	0.25	N	N
Temp WI	Spread 5B	10406+27	4.94	N	N
Temp TS	Spread 5B	10407+45	0.48	N	N
Temp ATWS	Spread 5B	10416+99	0.17	N	N
Temp ATWS	Spread 5B	10418+12	0.05	N	N
Temp TS	Spread 5B	10424+02	0.22	N	N
Temp TS	Spread 5B	10427+20	0.05	N	N
Temp ATWS	Spread 5B	10427+48	0.17	N	N
Temp ATWS	Spread 5B	10427+51	0.17	N	N
Temp ATWS	Spread 5B	10429+29	0.17	N	N
Temp ATWS	Spread 5B	10429+44	0.19	N	N
Temp ATWS	Spread 5B	10432+73	0.16	N	N
Temp ATWS	Spread 5B	10434+45	0.17	N	N
Temp ATWS	Spread 5B	10455+78	0.16	N	N
Temp ATWS	Spread 5B	10455+96	0.17	N	N
Temp ATWS	Spread 5B	10458+90	0.14	N	N
Temp ATWS	Spread 5B	10459+24	0.17	N	N
Temp ATWS	Spread 5B	10571+14	0.17	N	N
Temp ATWS	Spread 5B	10571+33	0.17	N	N
Temp ATWS	Spread 5B	10575+00	0.07	N	N
Temp ATWS	Spread 5B	10575+25	0.15	N	N
Temp ATWS	Spread 5B	10575+58	0.05	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	10579+56	0.17	N	N
Temp ATWS	Spread 5B	10579+91	0.17	N	N
Temp ATWS	Spread 5B	10582+63	0.12	N	N
Temp ATWS	Spread 5B	10583+00	0.14	N	N
Temp ATWS	Spread 5B	10585+53	0.17	N	N
Temp ATWS	Spread 5B	10585+66	0.17	N	N
Temp ATWS	Spread 5B	10588+12	0.17	N	N
Temp ATWS	Spread 5B	10588+25	0.17	N	N
Temp ATWS	Spread 5B	10601+59	0.17	N	N
Temp ATWS	Spread 5B	10601+70	0.17	N	N
Temp ATWS	Spread 5B	10604+70	0.11	N	N
Temp ATWS	Spread 5B	10605+85	0.17	N	N
Temp ATWS	Spread 5B	10612+84	0.17	N	N
Temp ATWS	Spread 5B	10612+94	0.17	N	N
Temp ATWS	Spread 5B	10614+63	0.17	N	N
Temp ATWS	Spread 5B	10614+71	0.17	N	N
Temp ATWS	Spread 5B	10624+89	0.17	N	N
Temp ATWS	Spread 5B	10626+17	0.17	N	N
Temp ATWS	Spread 5B	10628+86	0.17	N	N
Temp ATWS	Spread 5B	10629+14	0.17	N	N
Temp ATWS	Spread 5B	10640+99	0.22	N	N
Temp ATWS	Spread 5B	10641+72	0.16	N	N
Temp ATWS	Spread 5B	10644+48	0.17	N	N
Temp ATWS	Spread 5B	10659+10	0.16	N	N
Temp ATWS	Spread 5B	10660+22	0.17	N	N
Temp ATWS	Spread 5B	10662+38	0.13	N	N
Temp TS	Spread 5B	10695+96	0.26	N	N
Temp TS	Spread 5B	10700+61	0.25	N	N
Temp ATWS	Spread 5B	10706+30	0.17	N	N
Temp ATWS	Spread 5B	10709+23	0.16	N	N
Temp ATWS	Spread 5B	10709+62	0.17	N	N
Temp ATWS	Spread 5B	10722+95	0.17	N	N
Temp ATWS	Spread 5B	10723+12	0.17	N	N
Temp ATWS	Spread 5B	10725+68	0.16	N	N
Temp ATWS	Spread 5B	10726+20	0.16	N	N
Temp ATWS	Spread 5B	10740+33	0.16	N	N
Temp ATWS	Spread 5B	10740+81	0.16	N	N
Temp ATWS	Spread 5B	10744+27	0.15	N	N
Temp ATWS	Spread 5B	10808+68	0.17	N	N
Temp ATWS	Spread 5B	10809+79	0.16	N	N
Temp ATWS	Spread 5B	10812+33	0.17	N	N
Temp ATWS	Spread 5B	10812+92	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	10829+26	0.17	N	N
Temp ATWS	Spread 5B	10830+57	0.17	N	N
Temp ATWS	Spread 5B	10833+99	0.18	N	N
Temp ATWS	Spread 5B	10936+12	0.17	N	N
Temp ATWS	Spread 5B	10937+13	0.15	N	N
Temp ATWS	Spread 5B	10939+62	0.12	N	N
Temp ATWS	Spread 5B	10940+96	0.18	N	N
Temp ATWS	Spread 5B	10948+74	0.13	N	N
Temp ATWS	Spread 5B	10950+47	0.17	N	N
Temp ATWS	Spread 5B	10952+81	0.17	N	N
Temp ATWS	Spread 5B	10953+04	0.15	N	N
Temp ATWS	Spread 5B	10961+81	0.14	N	N
Temp ATWS	Spread 5B	10962+12	0.18	N	N
Temp ATWS	Spread 5B	10964+88	0.16	N	N
Temp ATWS	Spread 5B	10965+09	0.05	N	N
Temp ATWS	Spread 5B	10966+00	0.05	N	N
Temp ATWS	Spread 5B	10979+71	0.15	N	N
Temp ATWS	Spread 5B	10980+86	0.03	N	N
Temp ATWS	Spread 5B	10981+49	0.06	N	N
Temp ATWS	Spread 5B	10983+67	0.17	N	N
Temp ATWS	Spread 5B	10985+27	0.17	N	N
Temp ATWS	Spread 5B	10997+74	0.16	N	N
Temp ATWS	Spread 5B	10998+36	0.15	N	N
Temp ATWS	Spread 5B	11001+74	0.17	N	N
Temp ATWS	Spread 5B	11002+00	0.17	N	N
Temp ATWS	Spread 5B	11158+14	0.15	N	N
Temp ATWS	Spread 5B	11158+66	0.17	N	N
Temp ATWS	Spread 5B	11161+52	0.14	N	N
Temp ATWS	Spread 5B	11161+94	0.15	N	N
Temp TS	Spread 5B	11175+75	0.50	N	N
Temp TS	Spread 5B	11208+47	0.16	N	N
Temp ATWS	Spread 5B	11210+15	0.16	N	N
Temp ATWS	Spread 5B	11210+35	0.17	N	N
Temp TS	Spread 5B	11210+36	0.09	N	N
Temp ATWS	Spread 5B	11211+89	0.05	N	N
Temp ATWS	Spread 5B	11212+13	0.17	N	N
Temp TS	Spread 5B	11212+14	0.08	N	N
Temp TS	Spread 5B	11219+66	0.73	N	N
Temp TS	Spread 5B	11225+94	0.07	N	N
Temp ATWS	Spread 5B	11226+04	0.17	N	N
Temp ATWS	Spread 5B	11226+93	0.17	N	N
Temp ATWS	Spread 5B	11229+84	0.16	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	11229+99	0.17	N	N
Temp ATWS	Spread 5B	11242+86	0.16	N	N
Temp ATWS	Spread 5B	11243+61	0.14	N	N
Temp ATWS	Spread 5B	11246+39	0.17	N	N
Temp ATWS	Spread 5B	11247+74	0.17	N	N
Temp ATWS	Spread 5B	11259+52	0.17	N	N
Temp ATWS	Spread 5B	11259+75	0.17	N	N
Temp ATWS	Spread 5B	11262+62	0.15	N	N
Temp TS	Spread 5B	11263+01	0.04	N	N
Temp ATWS	Spread 5B	11263+28	0.17	N	N
Temp TS	Spread 5B	11265+25	0.23	N	N
Temp ATWS	Spread 5B	11273+78	0.16	N	N
Temp ATWS	Spread 5B	11274+15	0.13	N	N
Temp ATWS	Spread 5B	11275+54	0.16	N	N
Temp ATWS	Spread 5B	11276+03	0.16	N	N
Temp ATWS	Spread 5B	11292+77	0.17	N	N
Temp ATWS	Spread 5B	11294+85	0.15	N	N
Temp ATWS	Spread 5B	11297+44	0.14	N	N
Temp ATWS	Spread 5B	11299+69	0.17	N	N
Temp ATWS	Spread 5B	11316+32	0.16	N	N
Temp ATWS	Spread 5B	11317+33	0.17	N	N
Temp ATWS	Spread 5B	11319+88	0.16	N	N
Temp ATWS	Spread 5B	11320+75	0.17	N	N
Temp ATWS	Spread 5B	11351+39	0.17	N	N
Temp ATWS	Spread 5B	11351+68	0.14	N	N
Temp ATWS	Spread 5B	11354+27	0.16	N	N
Temp ATWS	Spread 5B	11355+88	0.17	N	N
Temp ATWS	Spread 5B	11369+85	0.17	N	N
Temp ATWS	Spread 5B	11370+15	0.17	N	N
Temp ATWS	Spread 5B	11373+35	0.17	N	N
Temp ATWS	Spread 5B	11375+96	0.17	N	N
Temp ATWS	Spread 5B	11391+79	0.15	N	N
Temp ATWS	Spread 5B	11391+80	0.19	N	N
Temp ATWS	Spread 5B	11395+67	0.17	N	N
Temp ATWS	Spread 5B	11396+17	0.33	N	N
Temp ATWS	Spread 5B	11397+67	0.17	N	N
Temp ATWS	Spread 5B	11400+82	0.18	N	N
Temp ATWS	Spread 5B	11401+19	0.19	N	N
Temp ATWS	Spread 5B	11410+56	0.17	N	N
Temp ATWS	Spread 5B	11410+93	0.17	N	N
Temp ATWS	Spread 5B	11413+54	0.17	N	N
Temp ATWS	Spread 5B	11417+87	1.23	N	N

**TABLE C-1****Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	11426+13	0.74	N	N
Temp ATWS	Spread 5B	11437+94	0.54	N	N
Temp ATWS	Spread 5B	11445+80	0.10	N	N
Temp ATWS	Spread 5B	11476+02	0.64	N	N
Temp ATWS	Spread 5B	11479+81	0.10	N	N
Temp ATWS	Spread 5B	11481+96	0.15	N	N
Temp ATWS	Spread 5B	11485+16	0.17	N	N
Temp ATWS	Spread 5B	11486+16	0.15	N	N
Temp ATWS	Spread 5B	11488+37	0.00	N	N
Temp ATWS	Spread 5B	11488+62	0.14	N	N
Temp ATWS	Spread 5B	11489+13	0.17	N	N
Temp ATWS	Spread 5B	11568+50	0.11	Y	Y
Temp ATWS	Spread 5B	11569+84	0.14	Y	Y
Temp ATWS	Spread 5B	11570+15	0.15	N	N
Temp ATWS	Spread 5B	11571+85	0.14	N	N
Temp ATWS	Spread 5B	11579+25	0.15	N	N
Temp ATWS	Spread 5B	11579+64	0.17	N	N
Temp ATWS	Spread 5B	11586+76	0.17	N	N
Temp ATWS	Spread 5B	11586+76	0.17	N	N
Temp ATWS	Spread 5B	11588+85	0.50	N	N
Temp ATWS	Spread 5B	11588+85	0.75	N	N
Temp ATWS	Spread 5B	11593+50	0.17	N	N
Temp ATWS	Spread 5B	11595+80	0.17	N	N
Temp ATWS	Spread 5B	11629+82	0.17	Y	Y
Temp ATWS	Spread 5B	11631+07	0.17	N	Y
Temp ATWS	Spread 5B	11634+67	0.17	Y	Y
Temp ATWS	Spread 5B	11636+09	0.17	Y	Y
Temp ATWS	Spread 5B	11646+08	0.17	Y	Y
Temp ATWS	Spread 5B	11647+48	0.17	N	Y
Temp ATWS	Spread 5B	11650+18	0.17	N	Y
Temp ATWS	Spread 5B	11650+55	0.17	Y	Y
Temp ATWS	Spread 5B	11664+64	0.17	Y	Y
Temp ATWS	Spread 5B	11664+90	0.16	N	Y
Temp ATWS	Spread 5B	11668+12	0.17	Y	Y
Temp ATWS	Spread 5B	11669+36	0.18	N	Y
Temp ATWS	Spread 5B	11688+00	0.16	Y	Y
Temp ATWS	Spread 5B	11689+30	0.18	Y	Y
Temp ATWS	Spread 5B	11690+45	0.16	Y	Y
Temp ATWS	Spread 5B	11691+16	0.16	Y	Y
Temp ATWS	Spread 5B	11766+16	0.17	Y	Y
Temp ATWS	Spread 5B	11766+68	0.17	Y	Y
Temp ATWS	Spread 5B	11770+62	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 5B	11770+97	0.17	N	N
Temp ATWS	Spread 5B	11788+51	0.16	N	N
Temp ATWS	Spread 5B	11789+30	0.16	N	N
Temp ATWS	Spread 5B	11790+45	0.17	N	N
Temp ATWS	Spread 5B	11790+81	0.17	N	N
Temp ATWS	Spread 5B	11792+48	0.17	N	N
Temp ATWS	Spread 5B	11792+64	0.17	N	N
Temp ATWS	Spread 5B	11795+99	0.17	N	N
Temp ATWS	Spread 5B	11796+17	0.17	N	N
Temp ATWS	Spread 5B	11816+49	0.17	N	N
Temp ATWS	Spread 5B	11816+92	0.17	N	N
Temp ATWS	Spread 5B	11820+88	0.14	N	N
Temp ATWS	Spread 5B	11821+03	0.17	N	N
Temp ATWS	Spread 6	11840+79	0.03	N	N
Temp ATWS	Spread 6	11848+96	0.26	Y	Y
Temp ATWS	Spread 6	11876+27	0.14	N	N
Temp ATWS	Spread 6	11876+95	0.15	Y	Y
Temp ATWS	Spread 6	11878+46	0.15	Y	Y
Temp ATWS	Spread 6	11894+14	0.15	N	N
Temp ATWS	Spread 6	11894+64	0.16	N	N
Temp ATWS	Spread 6	11895+98	0.16	Y	Y
Temp ATWS	Spread 6	11896+52	0.15	Y	Y
Temp ATWS	Spread 6	11923+63	0.17	Y	Y
Temp ATWS	Spread 6	11923+85	0.16	Y	Y
Temp ATWS	Spread 6	11927+03	0.17	Y	Y
Temp ATWS	Spread 6	11927+46	0.17	Y	Y
Temp ATWS	Spread 6	11945+93	0.17	Y	Y
Temp ATWS	Spread 6	11946+32	0.18	Y	Y
Temp ATWS	Spread 6	11949+75	0.17	Y	Y
Temp ATWS	Spread 6	11950+26	0.17	Y	Y
Temp ATWS	Spread 6	11974+75	0.17	Y	Y
Temp ATWS	Spread 6	11974+80	0.17	Y	Y
Temp ATWS	Spread 6	11979+61	0.18	Y	Y
Temp ATWS	Spread 6	12016+50	0.18	N	Y
Temp ATWS	Spread 6	12018+49	0.17	N	Y
Temp ATWS	Spread 6	12021+15	0.18	N	Y
Temp ATWS	Spread 6	12021+36	0.11	N	Y
Temp ATWS	Spread 6	12023+07	0.17	N	Y
Temp ATWS	Spread 6	12025+54	0.11	N	Y
Temp ATWS	Spread 6	12026+28	0.09	N	Y
Temp ATWS	Spread 6	12028+83	0.17	N	Y
Temp ATWS	Spread 6	12028+97	0.17	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12050+37	0.17	Y	Y
Temp ATWS	Spread 6	12051+29	0.17	Y	Y
Temp ATWS	Spread 6	12053+81	0.17	Y	Y
Temp ATWS	Spread 6	12055+73	0.17	Y	Y
Temp TS	Spread 6	12067+91	1.26	Y	Y
Temp ATWS	Spread 6	12078+73	0.17	Y	Y
Temp ATWS	Spread 6	12079+05	0.17	Y	Y
Temp ATWS	Spread 6	12083+31	0.17	Y	Y
Temp ATWS	Spread 6	12083+31	0.17	Y	Y
Temp TS	Spread 6	12083+71	0.05	Y	Y
Temp TS	Spread 6	12087+01	0.33	Y	Y
Temp TS	Spread 6	12090+21	0.04	Y	Y
Temp ATWS	Spread 6	12090+40	0.12	Y	Y
Temp ATWS	Spread 6	12093+12	0.05	Y	Y
Temp ATWS	Spread 6	12094+54	0.17	Y	Y
Temp ATWS	Spread 6	12094+59	0.17	Y	Y
Temp TS	Spread 6	12094+60	0.08	Y	Y
Temp TS	Spread 6	12098+44	0.36	Y	Y
Temp TS	Spread 6	12106+50	0.54	Y	Y
Temp ATWS	Spread 6	12124+98	0.17	Y	Y
Temp ATWS	Spread 6	12125+13	0.14	Y	Y
Temp ATWS	Spread 6	12127+66	0.17	Y	Y
Temp ATWS	Spread 6	12128+32	0.17	Y	Y
Temp TS	Spread 6	12134+09	0.21	Y	Y
Temp ATWS	Spread 6	12147+94	0.17	Y	Y
Temp ATWS	Spread 6	12148+98	0.17	Y	Y
Temp ATWS	Spread 6	12151+64	0.14	Y	Y
Temp ATWS	Spread 6	12151+88	0.17	Y	Y
Temp ATWS	Spread 6	12175+11	0.16	Y	Y
Temp ATWS	Spread 6	12177+27	0.17	Y	Y
Temp ATWS	Spread 6	12182+72	0.12	Y	Y
Temp ATWS	Spread 6	12184+29	0.16	Y	Y
Temp ATWS	Spread 6	12185+18	0.16	Y	Y
Temp ATWS	Spread 6	12186+66	0.18	Y	Y
Temp ATWS	Spread 6	12189+45	0.16	N	Y
Temp ATWS	Spread 6	12191+45	0.16	N	Y
Temp ATWS	Spread 6	12192+26	0.08	N	Y
Temp ATWS	Spread 6	12193+78	0.16	N	Y
Temp ATWS	Spread 6	12193+88	0.16	N	Y
Temp ATWS	Spread 6	12199+84	0.17	Y	Y
Temp ATWS	Spread 6	12199+85	0.17	Y	Y
Temp ATWS	Spread 6	12202+76	0.17	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12202+79	0.17	Y	Y
Temp ATWS	Spread 6	12206+57	0.17	Y	Y
Temp ATWS	Spread 6	12207+03	0.17	Y	Y
Temp ATWS	Spread 6	12213+63	0.17	Y	Y
Temp ATWS	Spread 6	12214+94	0.17	Y	Y
Temp TS	Spread 6	12279+13	0.16	Y	Y
Temp ATWS	Spread 6	12279+96	0.15	Y	Y
Temp ATWS	Spread 6	12281+22	0.16	Y	Y
Temp TS	Spread 6	12281+28	0.09	Y	Y
Temp ATWS	Spread 6	12281+76	0.15	Y	Y
Temp ATWS	Spread 6	12283+06	0.16	Y	Y
Temp TS	Spread 6	12285+30	0.25	Y	Y
Temp ATWS	Spread 6	12294+74	0.17	Y	Y
Temp ATWS	Spread 6	12294+74	0.17	Y	Y
Temp ATWS	Spread 6	12297+54	0.17	Y	Y
Temp ATWS	Spread 6	12297+74	0.17	Y	Y
Temp ATWS	Spread 6	12305+54	0.17	Y	Y
Temp ATWS	Spread 6	12306+01	0.17	N	Y
Temp ATWS	Spread 6	12308+59	0.17	N	Y
Temp ATWS	Spread 6	12309+79	0.17	Y	Y
Temp ATWS	Spread 6	12315+37	0.17	Y	Y
Temp ATWS	Spread 6	12315+48	0.17	Y	Y
Temp ATWS	Spread 6	12319+36	0.19	Y	Y
Temp ATWS	Spread 6	12319+83	0.16	Y	Y
Temp TS	Spread 6	12322+51	0.23	Y	Y
Temp ATWS	Spread 6	12329+20	0.15	Y	Y
Temp TS	Spread 6	12329+28	0.06	Y	Y
Temp ATWS	Spread 6	12330+44	0.15	N	Y
Temp TS	Spread 6	12330+56	0.09	N	Y
Temp ATWS	Spread 6	12331+31	0.15	Y	Y
Temp ATWS	Spread 6	12332+60	0.15	Y	Y
Temp TS	Spread 6	12339+03	0.24	Y	Y
Temp ATWS	Spread 6	12348+33	0.17	Y	Y
Temp ATWS	Spread 6	12348+67	0.17	Y	Y
Temp ATWS	Spread 6	12352+75	0.17	Y	Y
Temp TS	Spread 6	12353+16	0.09	Y	Y
Temp ATWS	Spread 6	12353+16	0.17	Y	Y
Temp TS	Spread 6	12354+49	0.07	Y	Y
Temp TS	Spread 6	12355+69	0.07	Y	Y
Temp ATWS	Spread 6	12355+82	0.17	Y	Y
Temp ATWS	Spread 6	12357+07	0.15	Y	Y
Temp ATWS	Spread 6	12359+83	0.15	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 6	12375+40	0.75	Y	Y
Temp ATWS	Spread 6	12381+87	0.17	Y	Y
Temp ATWS	Spread 6	12382+36	0.17	Y	Y
Temp ATWS	Spread 6	12385+00	0.19	Y	Y
Temp TS	Spread 6	12385+00	0.10	Y	Y
Temp ATWS	Spread 6	12388+98	0.17	Y	Y
Temp ATWS	Spread 6	12389+69	0.17	Y	Y
Temp TS	Spread 6	12389+77	0.08	Y	Y
Temp ATWS	Spread 6	12412+15	0.17	Y	Y
Temp ATWS	Spread 6	12412+23	0.17	Y	Y
Temp TS	Spread 6	12415+08	0.19	Y	Y
Temp ATWS	Spread 6	12416+03	0.13	Y	Y
Temp ATWS	Spread 6	12416+70	0.19	Y	Y
Temp ATWS	Spread 6	12417+57	0.19	Y	Y
Temp ATWS	Spread 6	12418+44	0.16	Y	Y
Temp TS	Spread 6	12424+90	0.15	Y	Y
Temp ATWS	Spread 6	12427+20	0.06	Y	Y
Temp TS	Spread 6	12427+38	0.04	Y	Y
Temp ATWS	Spread 6	12431+52	0.06	Y	Y
Temp ATWS	Spread 6	12433+56	0.06	Y	Y
Temp TS	Spread 6	12433+56	0.06	Y	Y
Temp ATWS	Spread 6	12434+19	0.06	Y	Y
Temp TS	Spread 6	12435+14	0.12	Y	Y
Temp ATWS	Spread 6	12477+94	0.17	Y	Y
Temp ATWS	Spread 6	12477+95	0.17	Y	Y
Temp ATWS	Spread 6	12482+35	0.03	N	Y
Temp ATWS	Spread 6	12483+22	0.20	N	Y
Temp TS	Spread 6	12500+06	0.06	N	Y
Temp ATWS	Spread 6	12501+36	0.17	Y	Y
Temp ATWS	Spread 6	12501+37	0.17	N	Y
Temp TS	Spread 6	12501+37	0.09	N	Y
Temp ATWS	Spread 6	12503+06	0.17	Y	Y
Temp ATWS	Spread 6	12503+07	0.17	Y	Y
Temp ATWS	Spread 6	12512+05	0.06	Y	Y
Temp ATWS	Spread 6	12514+62	0.06	Y	Y
Temp ATWS	Spread 6	12516+65	0.06	Y	Y
Temp ATWS	Spread 6	12517+94	0.06	Y	Y
Temp ATWS	Spread 6	12529+32	0.06	N	N
Temp ATWS	Spread 6	12529+60	0.06	N	N
Temp ATWS	Spread 6	12531+31	0.02	N	N
Temp ATWS	Spread 6	12532+96	0.04	N	N
Temp ATWS	Spread 6	12538+19	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12541+37	0.04	N	N
Temp ATWS	Spread 6	12542+98	0.06	N	N
Temp ATWS	Spread 6	12543+55	0.06	N	N
Temp ATWS	Spread 6	12543+96	0.04	N	N
Temp ATWS	Spread 6	12545+94	0.06	N	N
Temp ATWS	Spread 6	12546+42	0.06	N	N
Temp ATWS	Spread 6	12558+99	0.06	N	N
Temp ATWS	Spread 6	12558+99	0.06	N	N
Temp ATWS	Spread 6	12561+33	0.05	N	N
Temp ATWS	Spread 6	12561+41	0.05	N	N
Temp ATWS	Spread 6	12565+07	0.06	N	N
Temp ATWS	Spread 6	12568+44	0.04	N	N
Temp ATWS	Spread 6	12571+75	0.04	N	N
Temp ATWS	Spread 6	12586+70	0.06	N	N
Temp TS	Spread 6	12588+09	0.25	N	N
Temp ATWS	Spread 6	12589+73	0.08	N	N
Temp TS	Spread 6	12590+53	0.03	N	N
Temp ATWS	Spread 6	12590+62	0.04	N	N
Temp ATWS	Spread 6	12593+02	0.05	N	N
Temp ATWS	Spread 6	12594+01	0.06	N	N
Temp ATWS	Spread 6	12600+68	0.05	N	N
Temp ATWS	Spread 6	12601+32	0.06	N	N
Temp ATWS	Spread 6	12604+76	0.06	N	N
Temp ATWS	Spread 6	12605+15	0.06	N	N
Temp ATWS	Spread 6	12608+00	0.20	N	N
Temp ATWS	Spread 6	12608+31	0.19	N	N
Temp ATWS	Spread 6	12609+81	0.17	Y	Y
Temp ATWS	Spread 6	12610+15	0.18	Y	Y
Temp ATWS	Spread 6	12611+86	0.17	Y	Y
Temp ATWS	Spread 6	12612+12	0.13	Y	Y
Temp ATWS	Spread 6	12616+15	0.04	Y	Y
Temp ATWS	Spread 6	12617+27	0.17	Y	Y
Temp TS	Spread 6	12625+47	0.14	Y	Y
Temp ATWS	Spread 6	12635+49	0.06	N	N
Temp ATWS	Spread 6	12638+96	0.06	N	N
Temp ATWS	Spread 6	12643+68	0.06	N	N
Temp ATWS	Spread 6	12644+03	0.04	N	N
Temp ATWS	Spread 6	12645+44	0.06	N	N
Temp ATWS	Spread 6	12645+72	0.06	N	N
Temp ATWS	Spread 6	12653+54	0.06	N	N
Temp ATWS	Spread 6	12653+68	0.06	N	N
Temp ATWS	Spread 6	12656+62	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12656+80	0.06	N	N
Temp TS	Spread 6	12663+06	0.04	N	N
Temp ATWS	Spread 6	12667+10	0.06	N	N
Temp ATWS	Spread 6	12669+85	0.06	N	N
Temp ATWS	Spread 6	12670+41	0.06	N	N
Temp ATWS	Spread 6	12671+65	0.06	N	N
Temp ATWS	Spread 6	12673+78	0.07	N	N
Temp ATWS	Spread 6	12674+48	0.01	N	N
Temp ATWS	Spread 6	12676+14	0.06	N	N
Temp ATWS	Spread 6	12676+36	0.06	N	N
Temp ATWS	Spread 6	12677+72	0.06	N	N
Temp ATWS	Spread 6	12678+18	0.06	N	N
Temp ATWS	Spread 6	12680+37	0.06	N	N
Temp ATWS	Spread 6	12680+44	0.06	N	N
Temp ATWS	Spread 6	12681+61	0.06	N	N
Temp ATWS	Spread 6	12682+09	0.06	N	N
Temp ATWS	Spread 6	12684+14	0.06	N	N
Temp ATWS	Spread 6	12684+53	0.06	N	N
Temp TS	Spread 6	12690+54	0.23	N	N
Temp TS	Spread 6	12694+88	0.13	N	N
Temp ATWS	Spread 6	12701+64	0.06	N	N
Temp ATWS	Spread 6	12701+65	0.06	N	N
Temp ATWS	Spread 6	12706+59	0.17	Y	Y
Temp ATWS	Spread 6	12706+84	0.17	Y	Y
Temp ATWS	Spread 6	12725+51	0.06	Y	Y
Temp ATWS	Spread 6	12725+59	0.17	Y	Y
Temp ATWS	Spread 6	12728+25	0.06	Y	Y
Temp ATWS	Spread 6	12728+80	0.06	Y	Y
Temp ATWS	Spread 6	12735+93	0.58	Y	Y
Temp ATWS	Spread 6	12747+95	0.06	Y	Y
Temp ATWS	Spread 6	12748+16	0.06	Y	Y
Temp ATWS	Spread 6	12750+51	0.06	Y	Y
Temp ATWS	Spread 6	12751+70	0.06	Y	Y
Temp ATWS	Spread 6	12753+62	0.17	Y	Y
Temp TS	Spread 6	12754+03	0.14	Y	Y
Temp ATWS	Spread 6	12755+95	0.17	Y	Y
Temp ATWS	Spread 6	12757+57	0.17	Y	Y
Temp TS	Spread 6	12757+60	0.09	Y	Y
Temp ATWS	Spread 6	12757+98	0.18	Y	Y
Temp TS	Spread 6	12759+16	0.12	Y	Y
Temp ATWS	Spread 6	12764+21	0.06	Y	Y
Temp ATWS	Spread 6	12767+73	0.06	Y	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12768+85	0.06	Y	Y
Temp ATWS	Spread 6	12771+66	0.12	Y	Y
Temp ATWS	Spread 6	12773+70	0.06	Y	Y
Temp ATWS	Spread 6	12776+22	0.04	N	Y
Temp TS	Spread 6	12777+55	0.12	N	Y
Temp TS	Spread 6	12778+99	0.06	N	Y
Temp ATWS	Spread 6	12779+05	0.05	N	Y
Temp ATWS	Spread 6	12781+66	0.02	N	Y
Temp TS	Spread 6	12783+04	0.24	N	Y
Temp ATWS	Spread 6	12792+04	0.19	Y	Y
Temp ATWS	Spread 6	12793+95	0.17	N	N
Temp ATWS	Spread 6	12800+19	0.17	N	N
Temp ATWS	Spread 6	12800+42	0.15	N	N
Temp TS	Spread 6	12812+47	0.69	N	N
Temp TS	Spread 6	12814+18	0.12	N	N
Temp ATWS	Spread 6	12816+02	0.21	N	N
Temp ATWS	Spread 6	12817+22	0.16	N	N
Temp ATWS	Spread 6	12817+55	0.15	Y	Y
Temp ATWS	Spread 6	12819+72	0.23	Y	Y
Temp ATWS	Spread 6	12823+83	0.06	Y	Y
Temp ATWS	Spread 6	12824+17	0.06	Y	Y
Temp ATWS	Spread 6	12827+06	0.05	Y	Y
Temp ATWS	Spread 6	12830+03	0.17	Y	Y
Temp ATWS	Spread 6	12836+45	0.17	Y	Y
Temp ATWS	Spread 6	12837+33	0.17	Y	Y
Temp ATWS	Spread 6	12873+94	0.17	Y	Y
Temp ATWS	Spread 6	12874+54	0.17	Y	Y
Temp ATWS	Spread 6	12877+88	0.17	Y	Y
Temp ATWS	Spread 6	12878+20	0.17	Y	Y
Temp TS	Spread 6	12896+33	0.02	N	Y
Temp TS	Spread 6	12896+93	0.05	N	Y
Temp ATWS	Spread 6	12897+02	0.06	Y	Y
Temp ATWS	Spread 6	12897+09	0.06	Y	Y
Temp ATWS	Spread 6	12899+34	0.06	Y	Y
Temp ATWS	Spread 6	12899+35	0.06	Y	Y
Temp TS	Spread 6	12902+35	0.09	Y	Y
Temp TS	Spread 6	12905+00	0.20	Y	Y
Temp TS	Spread 6	12906+93	0.02	Y	Y
Temp ATWS	Spread 6	12913+11	0.17	Y	Y
Temp ATWS	Spread 6	12913+56	0.06	N	Y
Temp ATWS	Spread 6	12916+41	0.06	Y	Y
Temp ATWS	Spread 6	12918+09	0.28	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	12919+13	0.17	Y	Y
Temp ATWS	Spread 6	12932+41	0.06	Y	Y
Temp ATWS	Spread 6	12933+36	0.06	Y	Y
Temp ATWS	Spread 6	12935+39	0.06	Y	Y
Temp ATWS	Spread 6	12935+98	0.06	Y	Y
Temp ATWS	Spread 6	12940+35	0.06	Y	Y
Temp ATWS	Spread 6	12941+18	0.06	Y	Y
Temp ATWS	Spread 6	12943+32	0.06	Y	Y
Temp ATWS	Spread 6	12944+00	0.06	Y	Y
Temp ATWS	Spread 6	12947+10	0.06	Y	Y
Temp ATWS	Spread 6	12949+48	0.05	Y	Y
Temp ATWS	Spread 6	12951+85	0.04	Y	Y
Temp ATWS	Spread 6	12955+30	0.06	Y	Y
Temp TS	Spread 6	12962+92	0.21	Y	Y
Temp ATWS	Spread 6	12965+06	0.12	Y	Y
Temp ATWS	Spread 6	12965+59	0.26	Y	Y
Temp TS	Spread 6	12965+59	0.11	Y	Y
Temp ATWS	Spread 6	12967+08	0.16	Y	Y
Temp ATWS	Spread 6	12968+09	0.19	Y	Y
Temp TS	Spread 6	12968+20	0.08	Y	Y
Temp ATWS	Spread 6	12980+19	0.06	Y	Y
Temp ATWS	Spread 6	12980+40	0.06	Y	Y
Temp ATWS	Spread 6	12982+34	0.08	Y	Y
Temp ATWS	Spread 6	12982+74	0.06	Y	Y
Temp ATWS	Spread 6	12984+37	0.04	Y	Y
Temp ATWS	Spread 6	12986+64	0.06	Y	Y
Temp TS	Spread 6	12987+19	0.04	Y	Y
Temp TS	Spread 6	12996+87	0.32	Y	Y
Temp ATWS	Spread 6	13009+47	0.17	Y	Y
Temp ATWS	Spread 6	13010+87	0.01	Y	Y
Temp ATWS	Spread 6	13011+38	0.17	Y	Y
Temp TS	Spread 6	13011+38	0.09	Y	Y
Temp ATWS	Spread 6	13011+67	0.15	Y	Y
Temp TS	Spread 6	13015+06	0.34	Y	Y
Temp ATWS	Spread 6	13017+31	0.06	Y	Y
Temp ATWS	Spread 6	13020+30	0.05	Y	Y
Temp ATWS	Spread 6	13022+74	0.06	Y	Y
Temp ATWS	Spread 6	13024+67	0.17	Y	Y
Temp ATWS	Spread 6	13025+22	0.17	Y	Y
Temp ATWS	Spread 6	13028+35	0.09	Y	Y
Temp ATWS	Spread 6	13033+97	0.06	Y	Y
Temp ATWS	Spread 6	13034+26	0.11	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13036+96	0.06	Y	Y
Temp ATWS	Spread 6	13037+24	0.04	Y	Y
Temp ATWS	Spread 6	13045+69	0.06	Y	Y
Temp ATWS	Spread 6	13045+78	0.06	Y	Y
Temp ATWS	Spread 6	13047+83	0.06	Y	Y
Temp ATWS	Spread 6	13048+42	0.07	Y	Y
Temp ATWS	Spread 6	13050+96	0.17	Y	Y
Temp ATWS	Spread 6	13050+97	0.17	Y	Y
Temp ATWS	Spread 6	13053+67	0.06	Y	Y
Temp ATWS	Spread 6	13054+21	0.06	Y	Y
Temp ATWS	Spread 6	13058+94	0.17	Y	Y
Temp ATWS	Spread 6	13060+14	0.17	Y	Y
Temp ATWS	Spread 6	13062+92	0.03	Y	Y
Temp ATWS	Spread 6	13064+65	0.07	Y	Y
Temp ATWS	Spread 6	13066+88	0.05	Y	Y
Temp ATWS	Spread 6	13068+67	0.06	Y	Y
Temp ATWS	Spread 6	13069+60	0.06	Y	Y
Temp ATWS	Spread 6	13070+01	0.05	Y	Y
Temp ATWS	Spread 6	13072+14	0.05	Y	Y
Temp ATWS	Spread 6	13072+44	0.06	Y	Y
Temp ATWS	Spread 6	13076+93	0.17	Y	Y
Temp ATWS	Spread 6	13077+07	0.17	Y	Y
Temp ATWS	Spread 6	13079+83	0.09	Y	Y
Temp ATWS	Spread 6	13083+20	0.16	Y	Y
Temp ATWS	Spread 6	13084+53	0.18	Y	Y
Temp ATWS	Spread 6	13087+06	0.06	Y	Y
Temp ATWS	Spread 6	13087+93	0.06	Y	Y
Temp ATWS	Spread 6	13091+18	0.06	Y	Y
Temp ATWS	Spread 6	13091+52	0.06	Y	Y
Temp ATWS	Spread 6	13093+30	0.06	Y	Y
Temp ATWS	Spread 6	13095+42	0.06	Y	Y
Temp ATWS	Spread 6	13097+87	0.06	Y	Y
Temp ATWS	Spread 6	13100+00	0.05	Y	Y
Temp ATWS	Spread 6	13100+77	0.06	Y	Y
Temp ATWS	Spread 6	13108+60	0.06	Y	Y
Temp ATWS	Spread 6	13109+11	0.10	N	Y
Temp ATWS	Spread 6	13111+13	0.04	N	Y
Temp ATWS	Spread 6	13113+60	0.17	N	Y
Temp ATWS	Spread 6	13133+29	0.18	Y	Y
Temp ATWS	Spread 6	13133+29	0.18	Y	Y
Temp ATWS	Spread 6	13135+33	0.17	Y	Y
Temp ATWS	Spread 6	13135+96	0.32	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13137+37	0.06	Y	Y
Temp ATWS	Spread 6	13139+38	0.05	Y	Y
Temp ATWS	Spread 6	13141+94	0.05	Y	Y
Temp ATWS	Spread 6	13144+76	0.06	Y	Y
Temp ATWS	Spread 6	13150+69	0.06	Y	Y
Temp ATWS	Spread 6	13150+90	0.05	Y	Y
Temp ATWS	Spread 6	13153+06	0.06	Y	Y
Temp ATWS	Spread 6	13153+17	0.06	Y	Y
Temp TS	Spread 6	13167+24	0.47	Y	Y
Temp ATWS	Spread 6	13186+18	0.06	N	N
Temp ATWS	Spread 6	13186+29	0.06	N	N
Temp ATWS	Spread 6	13188+38	0.06	N	N
Temp ATWS	Spread 6	13188+69	0.06	N	N
Temp ATWS	Spread 6	13194+13	0.06	N	N
Temp ATWS	Spread 6	13194+28	0.06	N	N
Temp ATWS	Spread 6	13196+36	0.06	N	N
Temp ATWS	Spread 6	13196+88	0.06	N	N
Temp TS	Spread 6	13213+10	0.17	N	N
Temp ATWS	Spread 6	13215+12	0.06	N	N
Temp TS	Spread 6	13215+12	0.06	N	N
Temp ATWS	Spread 6	13217+38	0.06	N	N
Temp TS	Spread 6	13218+72	0.10	N	N
Temp TS	Spread 6	13222+16	0.05	N	N
Temp ATWS	Spread 6	13222+21	0.06	N	N
Temp TS	Spread 6	13222+89	0.02	N	N
Temp ATWS	Spread 6	13225+01	0.06	N	N
Temp ATWS	Spread 6	13227+73	0.06	N	N
Temp ATWS	Spread 6	13228+44	0.04	N	N
Temp ATWS	Spread 6	13229+17	0.04	N	N
Temp ATWS	Spread 6	13230+99	0.03	N	N
Temp ATWS	Spread 6	13231+84	0.04	N	N
Temp ATWS	Spread 6	13250+35	0.06	N	N
Temp ATWS	Spread 6	13251+63	0.06	N	N
Temp ATWS	Spread 6	13254+95	0.04	N	N
Temp ATWS	Spread 6	13255+93	0.08	N	N
Temp ATWS	Spread 6	13256+82	0.08	N	N
Temp ATWS	Spread 6	13257+22	0.06	N	N
Temp ATWS	Spread 6	13261+28	0.17	N	Y
Temp ATWS	Spread 6	13269+15	0.06	Y	Y
Temp ATWS	Spread 6	13269+54	0.06	Y	Y
Temp ATWS	Spread 6	13271+60	0.06	Y	Y
Temp ATWS	Spread 6	13271+95	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13277+61	0.06	Y	Y
Temp ATWS	Spread 6	13280+54	0.06	Y	Y
Temp ATWS	Spread 6	13284+94	0.06	Y	Y
Temp ATWS	Spread 6	13285+39	0.24	Y	Y
Temp ATWS	Spread 6	13287+75	0.06	Y	Y
Temp ATWS	Spread 6	13290+12	0.17	Y	Y
Temp ATWS	Spread 6	13309+05	0.17	Y	Y
Temp ATWS	Spread 6	13310+98	0.16	Y	N
Temp ATWS	Spread 6	13314+07	0.17	N	N
Temp TS	Spread 6	13314+51	0.01	N	N
Temp ATWS	Spread 6	13315+36	0.17	N	N
Temp TS	Spread 6	13315+36	0.09	N	N
Temp TS	Spread 6	13318+21	0.24	N	N
Temp TS	Spread 6	13320+99	0.08	N	N
Temp ATWS	Spread 6	13321+06	0.17	N	N
Temp ATWS	Spread 6	13324+62	0.16	N	N
Temp ATWS	Spread 6	13330+69	0.16	N	Y
Temp ATWS	Spread 6	13330+69	0.10	N	Y
Temp ATWS	Spread 6	13333+28	0.06	Y	Y
Temp ATWS	Spread 6	13333+73	0.06	Y	Y
Temp TS	Spread 6	13339+19	0.12	Y	Y
Temp ATWS	Spread 6	13341+61	0.06	Y	Y
Temp ATWS	Spread 6	13342+09	0.06	Y	Y
Temp ATWS	Spread 6	13344+21	0.06	Y	Y
Temp TS	Spread 6	13346+58	0.08	N	Y
Temp ATWS	Spread 6	13346+68	0.04	N	Y
Temp ATWS	Spread 6	13346+70	0.19	Y	Y
Temp ATWS	Spread 6	13347+90	0.19	N	Y
Temp TS	Spread 6	13348+84	0.11	N	N
Temp ATWS	Spread 6	13348+96	0.19	N	Y
Temp ATWS	Spread 6	13350+20	0.20	N	N
Temp TS	Spread 6	13350+29	0.06	N	N
Temp ATWS	Spread 6	13351+66	0.17	N	N
Temp TS	Spread 6	13351+67	0.09	N	N
Temp TS	Spread 6	13354+45	0.12	N	N
Temp ATWS	Spread 6	13354+48	0.23	N	N
Temp TS	Spread 6	13364+64	1.05	N	N
Temp TS	Spread 6	13378+62	0.39	N	N
Temp ATWS	Spread 6	13380+77	0.64	N	N
Temp ATWS	Spread 6	13402+01	0.36	N	N
Temp ATWS	Spread 6	13402+13	0.10	N	N
Temp TS	Spread 6	13404+58	0.13	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 6	13406+59	0.10	Y	Y
Temp ATWS	Spread 6	13409+24	0.40	Y	Y
Temp ATWS	Spread 6	13440+53	0.06	Y	Y
Temp ATWS	Spread 6	13441+24	0.06	Y	Y
Temp ATWS	Spread 6	13443+49	0.05	Y	Y
Temp ATWS	Spread 6	13443+88	0.06	Y	Y
Temp ATWS	Spread 6	13446+24	0.17	Y	Y
Temp ATWS	Spread 6	13447+11	0.14	Y	Y
Temp ATWS	Spread 6	13451+59	0.05	Y	Y
Temp ATWS	Spread 6	13451+81	0.06	Y	Y
Temp ATWS	Spread 6	13462+09	0.06	Y	Y
Temp ATWS	Spread 6	13462+36	0.06	Y	Y
Temp ATWS	Spread 6	13464+42	0.06	Y	Y
Temp ATWS	Spread 6	13464+85	0.06	Y	Y
Temp ATWS	Spread 6	13468+30	0.07	Y	Y
Temp ATWS	Spread 6	13470+48	0.06	Y	Y
Temp ATWS	Spread 6	13472+97	0.06	Y	Y
Temp ATWS	Spread 6	13473+40	0.05	Y	Y
Temp ATWS	Spread 6	13475+42	0.06	Y	Y
Temp ATWS	Spread 6	13475+64	0.06	Y	Y
Temp ATWS	Spread 6	13481+95	0.06	N	N
Temp ATWS	Spread 6	13481+96	0.06	N	N
Temp ATWS	Spread 6	13484+19	0.06	N	N
Temp ATWS	Spread 6	13484+36	0.05	N	N
Temp ATWS	Spread 6	13489+76	0.06	N	N
Temp ATWS	Spread 6	13490+39	0.06	N	N
Temp ATWS	Spread 6	13492+47	0.05	N	N
Temp ATWS	Spread 6	13495+17	0.06	N	N
Temp ATWS	Spread 6	13495+20	0.07	N	N
Temp ATWS	Spread 6	13496+14	0.11	N	N
Temp ATWS	Spread 6	13496+57	0.18	N	N
Temp ATWS	Spread 6	13498+10	0.16	Y	Y
Temp ATWS	Spread 6	13498+89	0.17	Y	Y
Temp ATWS	Spread 6	13520+44	0.17	Y	Y
Temp ATWS	Spread 6	13521+06	0.17	Y	Y
Temp ATWS	Spread 6	13527+02	0.16	N	N
Temp ATWS	Spread 6	13532+92	0.22	N	N
Temp ATWS	Spread 6	13533+00	0.13	N	N
Temp ATWS	Spread 6	13537+66	0.06	N	N
Temp ATWS	Spread 6	13538+72	0.06	N	N
Temp ATWS	Spread 6	13540+87	0.06	Y	Y
Temp ATWS	Spread 6	13541+42	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13553+60	0.06	Y	Y
Temp ATWS	Spread 6	13557+18	0.06	Y	Y
Temp ATWS	Spread 6	13561+88	0.06	Y	Y
Temp ATWS	Spread 6	13562+42	0.06	Y	Y
Temp ATWS	Spread 6	13564+40	0.07	N	Y
Temp ATWS	Spread 6	13567+35	0.06	Y	Y
Temp ATWS	Spread 6	13573+00	0.17	Y	Y
Temp ATWS	Spread 6	13573+18	0.06	Y	Y
Temp ATWS	Spread 6	13576+49	0.17	Y	Y
Temp ATWS	Spread 6	13577+22	0.17	N	Y
Temp ATWS	Spread 6	13582+61	0.17	Y	Y
Temp ATWS	Spread 6	13583+71	0.17	Y	Y
Temp ATWS	Spread 6	13587+05	0.17	Y	Y
Temp ATWS	Spread 6	13587+88	0.27	Y	Y
Temp ATWS	Spread 6	13589+11	0.21	Y	Y
Temp ATWS	Spread 6	13590+20	0.18	N	N
Temp ATWS	Spread 6	13591+36	0.21	N	Y
Temp TS	Spread 6	13591+62	0.08	N	N
Temp TS	Spread 6	13596+81	0.55	N	N
Temp TS	Spread 6	13602+89	0.07	N	N
Temp ATWS	Spread 6	13603+13	0.19	N	N
Temp TS	Spread 6	13604+95	0.10	N	N
Temp ATWS	Spread 6	13605+14	0.14	N	N
Temp ATWS	Spread 6	13605+58	0.15	N	N
Temp ATWS	Spread 6	13607+44	0.19	N	N
Temp TS	Spread 6	13615+15	1.07	Y	Y
Temp ATWS	Spread 6	13630+48	0.06	Y	Y
Temp ATWS	Spread 6	13630+69	0.13	Y	Y
Temp ATWS	Spread 6	13633+55	0.06	Y	Y
Temp ATWS	Spread 6	13634+79	0.15	Y	Y
Temp ATWS	Spread 6	13647+19	0.15	Y	Y
Temp ATWS	Spread 6	13647+28	0.18	Y	Y
Temp ATWS	Spread 6	13651+01	0.07	Y	Y
Temp ATWS	Spread 6	13652+11	0.16	Y	Y
Temp TS	Spread 6	13653+53	0.36	Y	Y
Temp ATWS	Spread 6	13661+60	0.16	Y	Y
Temp ATWS	Spread 6	13662+57	0.16	Y	Y
Temp ATWS	Spread 6	13663+60	0.20	Y	Y
Temp TS	Spread 6	13663+70	0.09	Y	Y
Temp TS	Spread 6	13665+39	0.10	Y	Y
Temp ATWS	Spread 6	13670+16	0.12	Y	Y
Temp ATWS	Spread 6	13670+78	0.18	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13673+83	0.17	Y	Y
Temp ATWS	Spread 6	13674+17	0.17	Y	Y
Temp ATWS	Spread 6	13677+00	0.17	Y	Y
Temp ATWS	Spread 6	13677+29	0.17	Y	Y
Temp ATWS	Spread 6	13680+44	0.17	Y	Y
Temp ATWS	Spread 6	13680+82	0.17	Y	Y
Temp TS	Spread 6	13686+52	0.27	Y	Y
Temp ATWS	Spread 6	13695+25	0.18	Y	Y
Temp ATWS	Spread 6	13695+28	0.17	Y	Y
Temp ATWS	Spread 6	13697+28	0.17	Y	Y
Temp ATWS	Spread 6	13697+31	0.17	Y	Y
Temp ATWS	Spread 6	13705+15	0.06	Y	Y
Temp ATWS	Spread 6	13705+73	0.06	Y	Y
Temp ATWS	Spread 6	13707+87	0.06	Y	Y
Temp ATWS	Spread 6	13708+04	0.06	Y	Y
Temp ATWS	Spread 6	13714+17	0.17	Y	Y
Temp ATWS	Spread 6	13718+79	0.17	Y	Y
Temp ATWS	Spread 6	13726+30	0.18	Y	Y
Temp ATWS	Spread 6	13726+76	0.17	Y	Y
Temp ATWS	Spread 6	13728+02	0.17	Y	Y
Temp ATWS	Spread 6	13728+42	0.17	Y	Y
Temp ATWS	Spread 6	13737+17	0.17	Y	Y
Temp ATWS	Spread 6	13737+53	0.17	Y	Y
Temp ATWS	Spread 6	13740+72	0.17	Y	Y
Temp ATWS	Spread 6	13741+08	0.06	Y	Y
Temp TS	Spread 6	13747+56	0.73	Y	Y
Temp ATWS	Spread 6	13755+19	0.06	Y	Y
Temp ATWS	Spread 6	13755+23	0.06	Y	Y
Temp ATWS	Spread 6	13757+75	0.06	Y	Y
Temp ATWS	Spread 6	13757+75	0.06	Y	Y
Temp ATWS	Spread 6	13764+75	0.02	Y	Y
Temp ATWS	Spread 6	13766+30	0.06	Y	Y
Temp ATWS	Spread 6	13768+42	0.05	Y	Y
Temp ATWS	Spread 6	13768+58	0.06	Y	Y
Temp ATWS	Spread 6	13791+95	0.06	Y	Y
Temp ATWS	Spread 6	13792+01	0.06	Y	Y
Temp ATWS	Spread 6	13794+03	0.07	Y	Y
Temp ATWS	Spread 6	13797+94	0.17	Y	Y
Temp ATWS	Spread 6	13798+40	0.18	Y	Y
Temp TS	Spread 6	13798+51	0.08	Y	Y
Temp TS	Spread 6	13802+23	0.33	Y	Y
Temp ATWS	Spread 6	13810+14	0.06	Y	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13812+57	0.06	Y	Y
Temp TS	Spread 6	13813+61	0.09	Y	Y
Temp TS	Spread 6	13815+06	0.08	Y	Y
Temp ATWS	Spread 6	13815+12	0.17	Y	Y
Temp ATWS	Spread 6	13815+47	0.18	Y	Y
Temp ATWS	Spread 6	13817+37	0.17	Y	Y
Temp ATWS	Spread 6	13817+72	0.32	Y	Y
Temp ATWS	Spread 6	13821+30	0.05	Y	Y
Temp ATWS	Spread 6	13823+51	0.25	Y	Y
Temp ATWS	Spread 6	13828+91	0.05	Y	Y
Temp ATWS	Spread 6	13830+00	0.06	Y	Y
Temp ATWS	Spread 6	13830+63	0.06	Y	Y
Temp ATWS	Spread 6	13832+71	0.06	Y	Y
Temp ATWS	Spread 6	13833+20	0.06	Y	Y
Temp ATWS	Spread 6	13838+32	0.17	Y	Y
Temp ATWS	Spread 6	13839+68	0.13	N	N
Temp ATWS	Spread 6	13839+83	0.17	Y	Y
Temp ATWS	Spread 6	13839+84	0.17	Y	Y
Temp ATWS	Spread 6	13849+66	0.17	Y	Y
Temp ATWS	Spread 6	13849+66	0.17	N	N
Temp ATWS	Spread 6	13851+49	0.06	Y	Y
Temp TS	Spread 6	13875+01	0.06	Y	Y
Temp ATWS	Spread 6	13878+21	0.17	Y	Y
Temp ATWS	Spread 6	13878+48	0.06	Y	Y
Temp ATWS	Spread 6	13881+69	0.06	Y	Y
Temp ATWS	Spread 6	13881+87	0.16	Y	Y
Temp ATWS	Spread 6	13883+70	0.17	Y	Y
Temp ATWS	Spread 6	13887+20	0.11	Y	Y
Temp ATWS	Spread 6	13890+16	0.14	Y	Y
Temp ATWS	Spread 6	13890+76	0.17	Y	Y
Temp TS	Spread 6	13891+62	0.14	Y	Y
Temp ATWS	Spread 6	13895+53	0.17	Y	Y
Temp ATWS	Spread 6	13896+13	0.19	Y	Y
Temp ATWS	Spread 6	13897+24	0.18	Y	Y
Temp ATWS	Spread 6	13897+77	0.16	Y	Y
Temp TS	Spread 6	13897+84	0.07	Y	Y
Temp TS	Spread 6	13907+55	1.06	Y	Y
Temp ATWS	Spread 6	13923+08	0.06	Y	Y
Temp ATWS	Spread 6	13923+50	0.06	Y	Y
Temp ATWS	Spread 6	13925+89	0.06	Y	Y
Temp ATWS	Spread 6	13926+37	0.05	Y	Y
Temp ATWS	Spread 6	13932+68	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	13932+93	0.06	Y	Y
Temp ATWS	Spread 6	13935+56	0.09	Y	Y
Temp ATWS	Spread 6	13937+98	0.06	Y	Y
Temp ATWS	Spread 6	13938+86	0.06	Y	Y
Temp TS	Spread 6	13954+25	1.06	Y	Y
Temp TS	Spread 6	13964+47	0.14	N	N
Temp ATWS	Spread 6	13966+08	0.42	Y	Y
Temp ATWS	Spread 6	13971+46	0.60	N	Y
Temp ATWS	Spread 6	13972+00	0.55	N	Y
Temp ATWS	Spread 6	13975+41	0.06	N	Y
Temp ATWS	Spread 6	13977+27	0.06	N	Y
Temp ATWS	Spread 6	13980+14	0.06	N	Y
Temp ATWS	Spread 6	13982+67	0.06	Y	Y
Temp ATWS	Spread 6	13985+11	0.06	Y	Y
Temp ATWS	Spread 6	13985+34	0.07	Y	Y
Temp ATWS	Spread 6	13987+59	0.06	Y	Y
Temp ATWS	Spread 6	13989+53	0.05	Y	Y
Temp ATWS	Spread 6	13990+87	0.06	Y	Y
Temp ATWS	Spread 6	13991+71	0.06	Y	Y
Temp ATWS	Spread 6	13993+95	0.06	Y	Y
Temp ATWS	Spread 6	13996+73	0.06	Y	Y
Temp ATWS	Spread 6	13999+85	0.05	Y	Y
Temp ATWS	Spread 6	14000+06	0.07	Y	Y
Temp ATWS	Spread 6	14002+28	0.06	Y	Y
Temp ATWS	Spread 6	14002+34	0.06	Y	Y
Temp ATWS	Spread 6	14008+87	0.17	Y	Y
Temp ATWS	Spread 6	14009+99	0.06	Y	Y
Temp ATWS	Spread 6	14012+59	0.17	Y	Y
Temp ATWS	Spread 6	14013+10	0.06	Y	Y
Temp ATWS	Spread 6	14014+09	0.06	Y	Y
Temp ATWS	Spread 6	14014+30	0.07	Y	Y
Temp ATWS	Spread 6	14016+58	0.06	Y	Y
Temp ATWS	Spread 6	14017+42	0.06	Y	Y
Temp ATWS	Spread 6	14027+45	0.12	Y	Y
Temp ATWS	Spread 6	14027+46	0.17	Y	Y
Temp ATWS	Spread 6	14033+00	0.18	Y	Y
Temp ATWS	Spread 6	14035+44	0.06	Y	Y
Temp ATWS	Spread 6	14042+30	0.06	Y	Y
Temp ATWS	Spread 6	14042+79	0.01	Y	Y
Temp ATWS	Spread 6	14045+30	0.06	Y	Y
Temp ATWS	Spread 6	14045+43	0.06	Y	Y
Temp ATWS	Spread 6	14047+87	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	14048+54	0.06	Y	Y
Temp ATWS	Spread 6	14050+81	0.06	Y	Y
Temp TS	Spread 6	14054+10	0.08	Y	Y
Temp ATWS	Spread 6	14054+31	0.06	Y	Y
Temp TS	Spread 6	14055+47	0.08	Y	Y
Temp ATWS	Spread 6	14055+53	0.17	Y	Y
Temp ATWS	Spread 6	14056+33	0.15	Y	Y
Temp TS	Spread 6	14057+43	0.08	Y	Y
Temp ATWS	Spread 6	14057+47	0.15	Y	Y
Temp ATWS	Spread 6	14058+01	0.17	Y	Y
Temp TS	Spread 6	14058+39	0.03	Y	Y
Temp TS	Spread 6	14061+03	0.26	Y	Y
Temp ATWS	Spread 6	14063+71	0.06	Y	Y
Temp ATWS	Spread 6	14063+79	0.10	Y	Y
Temp TS	Spread 6	14063+79	0.06	N	Y
Temp ATWS	Spread 6	14067+20	0.12	Y	Y
Temp ATWS	Spread 6	14067+77	0.17	Y	Y
Temp ATWS	Spread 6	14069+40	0.17	Y	Y
Temp ATWS	Spread 6	14071+31	0.17	Y	Y
Temp ATWS	Spread 6	14074+23	0.17	Y	Y
Temp ATWS	Spread 6	14076+11	0.16	Y	Y
Temp ATWS	Spread 6	14105+37	0.17	Y	Y
Temp ATWS	Spread 6	14105+45	0.17	Y	Y
Temp ATWS	Spread 6	14108+49	0.17	Y	Y
Temp ATWS	Spread 6	14108+62	0.17	Y	Y
Temp ATWS	Spread 6	14110+08	0.05	Y	Y
Temp ATWS	Spread 6	14112+35	0.05	Y	Y
Temp ATWS	Spread 6	14114+61	0.06	Y	Y
Temp TS	Spread 6	14135+82	0.10	Y	Y
Temp ATWS	Spread 6	14136+88	0.18	Y	Y
Temp ATWS	Spread 6	14137+44	0.18	Y	Y
Temp TS	Spread 6	14137+48	0.09	Y	Y
Temp ATWS	Spread 6	14138+72	0.18	Y	Y
Temp ATWS	Spread 6	14139+24	0.18	Y	Y
Temp ATWS	Spread 6	14154+17	0.06	Y	Y
Temp ATWS	Spread 6	14154+82	0.06	Y	Y
Temp ATWS	Spread 6	14156+68	0.06	Y	Y
Temp ATWS	Spread 6	14157+55	0.06	Y	Y
Temp ATWS	Spread 6	14160+93	0.06	Y	Y
Temp ATWS	Spread 6	14161+49	0.06	Y	Y
Temp ATWS	Spread 6	14163+65	0.06	Y	Y
Temp ATWS	Spread 6	14163+94	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	14175+22	0.14	Y	Y
Temp ATWS	Spread 6	14176+62	0.16	Y	Y
Temp ATWS	Spread 6	14182+71	0.24	Y	Y
Temp ATWS	Spread 6	14183+43	0.18	Y	Y
Temp ATWS	Spread 6	14184+35	0.01	Y	Y
Temp ATWS	Spread 6	14184+54	0.03	Y	Y
Temp ATWS	Spread 6	14184+91	0.02	Y	Y
Temp TS	Spread 6	14184+99	0.01	Y	Y
Temp ATWS	Spread 6	14186+57	0.06	Y	Y
Temp ATWS	Spread 6	14187+16	0.08	Y	Y
Temp ATWS	Spread 6	14187+85	0.06	N	Y
Temp TS	Spread 6	14189+84	0.05	Y	Y
Temp ATWS	Spread 6	14189+86	0.05	Y	Y
Temp ATWS	Spread 6	14189+97	0.06	Y	Y
Temp TS	Spread 6	14192+23	0.21	Y	Y
Temp TS	Spread 6	14197+19	0.32	Y	Y
Temp ATWS	Spread 6	14198+79	0.17	Y	Y
Temp ATWS	Spread 6	14200+50	0.13	Y	Y
Temp TS	Spread 6	14200+79	0.03	Y	Y
Temp ATWS	Spread 6	14208+94	0.17	Y	Y
Temp ATWS	Spread 6	14209+91	0.16	Y	Y
Temp ATWS	Spread 6	14213+92	0.06	Y	Y
Temp ATWS	Spread 6	14215+05	0.06	Y	Y
Temp ATWS	Spread 6	14217+49	0.06	Y	Y
Temp ATWS	Spread 6	14217+93	0.06	Y	Y
Temp ATWS	Spread 6	14229+69	0.06	Y	Y
Temp ATWS	Spread 6	14229+74	0.06	Y	Y
Temp ATWS	Spread 6	14232+04	0.05	Y	Y
Temp ATWS	Spread 6	14232+04	0.05	Y	Y
Temp ATWS	Spread 6	14247+35	0.06	N	Y
Temp ATWS	Spread 6	14247+52	0.06	N	Y
Temp ATWS	Spread 6	14249+66	0.06	N	Y
Temp ATWS	Spread 6	14250+16	0.06	N	Y
Temp ATWS	Spread 6	14254+36	0.06	Y	Y
Temp ATWS	Spread 6	14254+69	0.05	Y	Y
Temp ATWS	Spread 6	14256+72	0.06	Y	Y
Temp ATWS	Spread 6	14257+37	0.06	Y	Y
Temp ATWS	Spread 6	14267+57	0.18	Y	Y
Temp ATWS	Spread 6	14267+65	0.17	Y	Y
Temp ATWS	Spread 6	14269+17	0.26	Y	Y
Temp ATWS	Spread 6	14270+12	0.06	Y	Y
Temp ATWS	Spread 6	14277+65	0.17	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 6	14278+93	0.16	Y	Y
Temp ATWS	Spread 6	14281+60	0.04	Y	Y
Temp ATWS	Spread 6	14281+67	0.06	Y	Y
Temp TS	Spread 6	14294+48	0.22	Y	Y
Temp ATWS	Spread 6	14296+97	0.17	Y	Y
Temp ATWS	Spread 6	14297+10	0.17	Y	Y
Temp TS	Spread 6	14297+10	0.09	Y	Y
Temp ATWS	Spread 6	14298+61	0.17	Y	Y
Temp ATWS	Spread 6	14298+81	0.17	Y	Y
Temp TS	Spread 6	14298+98	0.07	Y	Y
Temp TS	Spread 6	14303+46	0.45	Y	Y
Temp ATWS	Spread 6	14317+36	0.06	Y	Y
Temp ATWS	Spread 6	14321+45	0.05	Y	Y
Temp ATWS	Spread 6	14323+53	0.05	Y	Y
Temp ATWS	Spread 6	14324+44	0.06	Y	Y
Temp TS	Spread 6	14338+53	0.17	Y	Y
Temp ATWS	Spread 6	14339+22	0.17	Y	Y
Temp ATWS	Spread 6	14344+97	0.17	Y	Y
Temp ATWS	Spread 6	14347+85	0.17	Y	Y
Temp ATWS	Spread 6	14349+32	0.06	Y	Y
Temp ATWS	Spread 6	14350+70	0.12	Y	Y
Temp ATWS	Spread 6	14354+07	0.17	Y	Y
Temp ATWS	Spread 6	14355+73	0.06	Y	Y
Temp ATWS	Spread 6	14365+33	0.17	Y	Y
Temp ATWS	Spread 6	14367+43	0.06	N	Y
Temp ATWS	Spread 6	14369+51	0.06	Y	Y
Temp ATWS	Spread 6	14369+64	0.06	Y	Y
Temp TS	Spread 6	14377+72	0.11	Y	Y
Temp TS	Spread 6	14385+12	0.07	Y	Y
Temp TS	Spread 6	14389+54	0.35	Y	Y
Temp ATWS	Spread 6	14393+06	0.17	Y	Y
Temp ATWS	Spread 6	14393+16	0.16	Y	Y
Temp TS	Spread 6	14393+16	0.08	Y	Y
Temp ATWS	Spread 6	14394+91	0.18	Y	Y
Temp ATWS	Spread 6	14394+93	0.18	Y	Y
Temp ATWS	Spread 6	14402+65	7.69	Y	Y
Temp ATWS	Spread 7	32	0.05	N	N
Temp ATWS	Spread 7	14407+53	0.06	N	N
Temp ATWS	Spread 7	14408+47	0.06	N	N
Temp ATWS	Spread 7	14411+09	0.11	N	N
Temp ATWS	Spread 7	14411+72	0.07	N	N
Temp ATWS	Spread 7	14414+72	0.05	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	14414+79	0.06	N	N
Temp ATWS	Spread 7	14438+89	0.17	N	N
Temp ATWS	Spread 7	14440+39	0.17	N	N
Temp ATWS	Spread 7	14443+09	0.17	N	N
Temp ATWS	Spread 7	14451+79	0.16	N	N
Temp ATWS	Spread 7	14452+72	0.13	N	N
Temp ATWS	Spread 7	14453+25	0.17	N	N
Temp ATWS	Spread 7	14454+23	0.17	N	N
Temp TS	Spread 7	14457+42	0.11	N	N
Temp ATWS	Spread 7	14465+30	0.18	N	N
Temp ATWS	Spread 7	14465+94	0.18	N	N
Temp TS	Spread 7	14467+03	0.09	N	N
Temp ATWS	Spread 7	14467+10	0.16	N	N
Temp ATWS	Spread 7	14467+86	0.18	N	N
Temp TS	Spread 7	14468+75	0.10	N	N
Temp ATWS	Spread 7	14471+50	0.06	N	N
Temp ATWS	Spread 7	14473+62	0.06	N	N
Temp TS	Spread 7	14477+53	0.16	N	N
Temp TS	Spread 7	14482+62	0.37	N	N
Temp ATWS	Spread 7	14491+62	0.11	N	N
Temp ATWS	Spread 7	14492+21	0.20	N	N
Temp ATWS	Spread 7	14495+53	0.10	N	N
Temp ATWS	Spread 7	14501+33	0.16	N	N
Temp ATWS	Spread 7	14502+33	0.21	N	N
Temp ATWS	Spread 7	14503+49	0.28	N	N
Temp ATWS	Spread 7	14503+80	0.20	N	N
Temp ATWS	Spread 7	14515+03	0.06	N	N
Temp TS	Spread 7	14523+48	0.20	N	N
Temp TS	Spread 7	14532+82	0.13	N	N
Temp ATWS	Spread 7	14533+95	0.16	N	N
Temp ATWS	Spread 7	14534+54	0.18	N	N
Temp TS	Spread 7	14534+57	0.10	N	N
Temp ATWS	Spread 7	14535+97	0.18	N	N
Temp ATWS	Spread 7	14536+27	0.18	N	N
Temp TS	Spread 7	14536+30	0.08	N	N
Temp TS	Spread 7	14542+03	0.57	N	N
Temp ATWS	Spread 7	14553+85	0.06	N	N
Temp ATWS	Spread 7	14555+66	0.05	N	N
Temp ATWS	Spread 7	14557+65	0.04	N	N
Temp ATWS	Spread 7	14559+06	0.06	N	N
Temp ATWS	Spread 7	14566+20	0.17	N	N
Temp ATWS	Spread 7	14567+01	0.14	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	14579+14	0.17	N	N
Temp ATWS	Spread 7	14579+38	0.17	N	N
Temp ATWS	Spread 7	14610+50	0.21	N	N
Temp ATWS	Spread 7	14610+93	0.11	N	N
Temp ATWS	Spread 7	14612+39	0.17	N	N
Temp ATWS	Spread 7	14612+39	0.17	N	N
Temp ATWS	Spread 7	14632+31	0.17	N	N
Temp ATWS	Spread 7	14632+88	0.15	N	N
Temp ATWS	Spread 7	14641+86	0.08	N	N
Temp ATWS	Spread 7	14642+01	0.17	N	N
Temp ATWS	Spread 7	14650+28	0.06	N	N
Temp ATWS	Spread 7	14650+41	0.06	N	N
Temp ATWS	Spread 7	14652+54	0.06	N	N
Temp ATWS	Spread 7	14652+69	0.06	N	N
Temp ATWS	Spread 7	14658+36	0.06	N	N
Temp ATWS	Spread 7	14658+45	0.06	N	N
Temp ATWS	Spread 7	14660+52	0.06	N	N
Temp ATWS	Spread 7	14660+76	0.06	N	N
Temp ATWS	Spread 7	14667+46	0.06	N	N
Temp ATWS	Spread 7	14668+23	0.06	N	N
Temp ATWS	Spread 7	14670+27	0.06	N	N
Temp ATWS	Spread 7	14671+29	0.06	N	N
Temp ATWS	Spread 7	14677+02	0.06	N	N
Temp ATWS	Spread 7	14677+02	0.13	N	N
Temp ATWS	Spread 7	14679+32	0.06	N	N
Temp ATWS	Spread 7	14679+88	0.13	N	N
Temp ATWS	Spread 7	14684+18	0.17	N	N
Temp ATWS	Spread 7	14687+05	0.15	N	N
Temp ATWS	Spread 7	14692+41	0.34	N	N
Temp ATWS	Spread 7	14692+44	0.33	N	N
Temp ATWS	Spread 7	14694+26	0.06	N	N
Temp ATWS	Spread 7	14694+27	0.04	N	N
Temp ATWS	Spread 7	14704+06	0.05	N	N
Temp ATWS	Spread 7	14704+12	0.05	N	N
Temp ATWS	Spread 7	14706+69	0.05	N	N
Temp ATWS	Spread 7	14707+81	0.06	N	N
Temp ATWS	Spread 7	14709+52	0.06	N	N
Temp ATWS	Spread 7	14711+26	0.05	N	N
Temp ATWS	Spread 7	14713+60	0.10	N	N
Temp ATWS	Spread 7	14717+46	0.15	N	N
Temp ATWS	Spread 7	14722+30	0.06	N	N
Temp ATWS	Spread 7	14735+75	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	14735+86	0.15	N	N
Temp ATWS	Spread 7	14739+60	0.17	N	N
Temp ATWS	Spread 7	14740+38	0.17	N	N
Temp TS	Spread 7	14755+05	0.49	N	N
Temp TS	Spread 7	14766+64	0.50	N	N
Temp ATWS	Spread 7	14771+22	0.18	N	N
Temp ATWS	Spread 7	14772+04	0.17	N	N
Temp ATWS	Spread 7	14772+93	0.16	N	N
Temp ATWS	Spread 7	14773+83	0.19	N	N
Temp ATWS	Spread 7	14790+32	0.06	N	N
Temp ATWS	Spread 7	14790+43	0.06	N	N
Temp ATWS	Spread 7	14793+09	0.18	N	N
Temp ATWS	Spread 7	14793+16	0.17	N	N
Temp ATWS	Spread 7	14795+33	0.08	N	N
Temp ATWS	Spread 7	14795+44	0.10	N	N
Temp ATWS	Spread 7	14796+23	0.05	N	N
Temp ATWS	Spread 7	14797+17	0.16	N	N
Temp ATWS	Spread 7	14798+62	0.17	N	N
Temp ATWS	Spread 7	14802+23	0.16	N	N
Temp ATWS	Spread 7	14806+41	0.18	N	N
Temp ATWS	Spread 7	14806+46	0.29	N	N
Temp ATWS	Spread 7	14808+34	0.15	N	N
Temp ATWS	Spread 7	14808+73	0.13	N	N
Temp ATWS	Spread 7	14810+09	0.17	N	N
Temp ATWS	Spread 7	14810+52	0.20	N	N
Temp ATWS	Spread 7	14826+36	0.06	N	N
Temp ATWS	Spread 7	14831+51	0.05	N	N
Temp ATWS	Spread 7	14834+08	0.16	N	N
Temp ATWS	Spread 7	14835+10	0.17	N	N
Temp ATWS	Spread 7	14837+67	0.20	N	N
Temp TS	Spread 7	14839+51	0.13	N	N
Temp ATWS	Spread 7	14839+63	0.20	N	N
Temp ATWS	Spread 7	14839+71	0.20	N	N
Temp TS	Spread 7	14840+84	0.03	N	N
Temp ATWS	Spread 7	14841+67	0.20	N	N
Temp TS	Spread 7	14841+89	0.08	N	N
Temp TS	Spread 7	14843+60	0.12	N	N
Temp TS	Spread 7	14845+25	0.07	N	N
Temp ATWS	Spread 7	14845+32	0.16	N	N
Temp ATWS	Spread 7	14846+18	0.18	N	N
Temp ATWS	Spread 7	14846+77	0.17	N	N
Temp ATWS	Spread 7	14847+58	0.04	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	14850+33	0.23	N	N
Temp ATWS	Spread 7	14850+51	0.20	N	N
Temp ATWS	Spread 7	14853+84	0.06	N	N
Temp ATWS	Spread 7	14861+55	0.06	N	N
Temp ATWS	Spread 7	14861+97	0.11	N	N
Temp ATWS	Spread 7	14863+98	0.05	N	N
Temp ATWS	Spread 7	14867+84	0.17	N	N
Temp ATWS	Spread 7	14872+28	0.17	N	N
Temp ATWS	Spread 7	14872+32	0.17	N	N
Temp ATWS	Spread 7	14876+00	0.17	N	N
Temp ATWS	Spread 7	14876+34	0.17	N	N
Temp ATWS	Spread 7	14901+19	0.19	N	N
Temp ATWS	Spread 7	14901+33	0.16	N	N
Temp ATWS	Spread 7	14905+06	0.17	N	N
Temp ATWS	Spread 7	14905+07	0.17	N	N
Temp ATWS	Spread 7	14906+77	0.17	N	N
Temp ATWS	Spread 7	14906+99	0.17	N	N
Temp ATWS	Spread 7	14910+40	0.17	N	N
Temp ATWS	Spread 7	14910+49	0.17	N	N
Temp ATWS	Spread 7	14928+06	0.15	N	N
Temp ATWS	Spread 7	14930+16	0.05	N	N
Temp ATWS	Spread 7	14933+82	0.22	N	N
Temp TS	Spread 7	14934+14	0.03	N	N
Temp ATWS	Spread 7	14936+20	0.04	N	N
Temp ATWS	Spread 7	14936+72	0.06	N	N
Temp ATWS	Spread 7	14938+23	0.17	N	N
Temp ATWS	Spread 7	14939+25	0.15	N	N
Temp ATWS	Spread 7	14941+93	0.13	N	N
Temp ATWS	Spread 7	14942+66	0.17	N	N
Temp ATWS	Spread 7	14944+83	0.17	N	N
Temp ATWS	Spread 7	14946+23	0.06	N	N
Temp TS	Spread 7	14948+13	0.03	N	N
Temp ATWS	Spread 7	14949+03	0.06	N	N
Temp TS	Spread 7	14953+96	0.70	N	N
Temp ATWS	Spread 7	14960+17	0.06	N	N
Temp ATWS	Spread 7	14963+99	0.14	N	N
Temp ATWS	Spread 7	14967+25	0.17	N	N
Temp ATWS	Spread 7	14967+68	0.17	N	N
Temp ATWS	Spread 7	14976+72	0.06	N	N
Temp ATWS	Spread 7	14977+14	0.17	N	N
Temp ATWS	Spread 7	14979+49	0.04	N	N
Temp ATWS	Spread 7	14980+04	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	14981+23	0.17	N	N
Temp ATWS	Spread 7	14985+38	0.14	N	N
Temp ATWS	Spread 7	14990+55	0.17	N	N
Temp ATWS	Spread 7	14991+37	0.17	N	N
Temp ATWS	Spread 7	14997+60	0.17	N	N
Temp ATWS	Spread 7	14997+71	0.17	N	N
Temp TS	Spread 7	14999+73	0.09	N	N
Temp ATWS	Spread 7	14999+74	0.17	N	N
Temp ATWS	Spread 7	14999+93	0.18	N	N
Temp TS	Spread 7	15004+63	0.45	N	N
Temp TS	Spread 7	15013+49	0.38	N	N
Temp ATWS	Spread 7	15016+82	0.17	N	N
Temp ATWS	Spread 7	15017+19	0.13	N	N
Temp TS	Spread 7	15017+19	0.07	N	N
Temp ATWS	Spread 7	15020+00	0.17	N	N
Temp ATWS	Spread 7	15021+89	0.17	N	N
Temp TS	Spread 7	15022+14	0.06	N	N
Temp TS	Spread 7	15024+66	0.23	N	N
Temp ATWS	Spread 7	15026+35	0.17	N	N
Temp ATWS	Spread 7	15027+30	0.14	N	N
Temp TS	Spread 7	15027+30	0.07	N	N
Temp ATWS	Spread 7	15029+71	0.15	N	N
Temp ATWS	Spread 7	15031+14	0.12	N	N
Temp ATWS	Spread 7	15034+30	0.10	N	N
Temp ATWS	Spread 7	15037+11	0.11	N	N
Temp ATWS	Spread 7	15037+34	0.16	N	N
Temp ATWS	Spread 7	15039+73	0.06	N	N
Temp ATWS	Spread 7	15040+43	0.03	N	N
Temp ATWS	Spread 7	15042+25	0.05	N	N
Temp ATWS	Spread 7	15042+90	0.06	N	N
Temp ATWS	Spread 7	15045+15	0.06	N	N
Temp ATWS	Spread 7	15045+60	0.05	N	N
Temp ATWS	Spread 7	15047+45	0.04	N	N
Temp ATWS	Spread 7	15048+05	0.06	N	N
Temp ATWS	Spread 7	15058+46	0.17	N	N
Temp ATWS	Spread 7	15058+61	0.15	N	N
Temp ATWS	Spread 7	15063+11	0.28	N	N
Temp ATWS	Spread 7	15063+86	0.06	N	N
Temp ATWS	Spread 7	15065+90	0.05	N	N
Temp ATWS	Spread 7	15066+43	0.06	N	N
Temp ATWS	Spread 7	15087+13	0.12	N	N
Temp ATWS	Spread 7	15088+46	0.16	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15091+38	0.13	N	N
Temp ATWS	Spread 7	15091+86	0.17	N	N
Temp ATWS	Spread 7	15097+04	0.17	N	N
Temp ATWS	Spread 7	15097+22	0.17	N	N
Temp ATWS	Spread 7	15100+09	0.16	N	N
Temp ATWS	Spread 7	15100+73	0.17	N	N
Temp ATWS	Spread 7	15106+96	0.17	N	N
Temp ATWS	Spread 7	15107+24	0.14	N	N
Temp ATWS	Spread 7	15109+89	0.17	N	N
Temp ATWS	Spread 7	15110+68	0.17	N	N
Temp ATWS	Spread 7	15115+27	0.17	N	N
Temp ATWS	Spread 7	15115+59	0.15	N	N
Temp ATWS	Spread 7	15118+18	0.16	N	N
Temp ATWS	Spread 7	15118+41	0.17	N	N
Temp ATWS	Spread 7	15136+62	0.25	N	N
Temp ATWS	Spread 7	15138+59	0.17	N	N
Temp ATWS	Spread 7	15139+90	0.17	N	N
Temp ATWS	Spread 7	15151+57	0.06	N	N
Temp ATWS	Spread 7	15151+78	0.14	N	N
Temp ATWS	Spread 7	15159+70	0.03	N	N
Temp ATWS	Spread 7	15160+27	0.17	N	N
Temp ATWS	Spread 7	15160+98	0.05	N	N
Temp ATWS	Spread 7	15163+17	0.08	N	N
Temp ATWS	Spread 7	15163+78	0.06	N	N
Temp ATWS	Spread 7	15170+04	0.19	N	N
Temp ATWS	Spread 7	15174+79	0.14	N	N
Temp ATWS	Spread 7	15174+89	0.19	N	N
Temp TS	Spread 7	15175+02	0.09	N	N
Temp TS	Spread 7	15176+13	0.09	N	N
Temp ATWS	Spread 7	15178+33	0.17	N	N
Temp ATWS	Spread 7	15179+36	0.15	N	N
Temp ATWS	Spread 7	15184+50	0.07	N	N
Temp ATWS	Spread 7	15186+13	0.21	N	N
Temp ATWS	Spread 7	15188+67	0.17	N	N
Temp ATWS	Spread 7	15190+78	0.17	N	N
Temp ATWS	Spread 7	15195+88	0.10	N	N
Temp ATWS	Spread 7	15198+13	0.19	N	N
Temp TS	Spread 7	15198+39	0.15	N	N
Temp ATWS	Spread 7	15198+41	0.29	N	N
Temp ATWS	Spread 7	15202+08	0.14	N	N
Temp ATWS	Spread 7	15203+26	0.26	N	N
Temp ATWS	Spread 7	15205+55	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15207+39	0.14	N	N
Temp ATWS	Spread 7	15211+82	0.16	N	N
Temp ATWS	Spread 7	15212+32	0.17	N	N
Temp ATWS	Spread 7	15214+18	0.06	N	N
Temp ATWS	Spread 7	15215+46	0.06	N	N
Temp ATWS	Spread 7	15217+87	0.07	N	N
Temp ATWS	Spread 7	15218+00	0.08	N	N
Temp ATWS	Spread 7	15220+17	0.04	N	N
Temp ATWS	Spread 7	15220+37	0.06	N	N
Temp ATWS	Spread 7	15241+04	0.17	N	N
Temp ATWS	Spread 7	15242+13	0.17	N	N
Temp ATWS	Spread 7	15246+63	0.24	N	N
Temp ATWS	Spread 7	15246+65	0.17	N	N
Temp ATWS	Spread 7	15248+38	0.11	N	N
Temp ATWS	Spread 7	15251+07	0.15	N	N
Temp ATWS	Spread 7	15254+14	0.17	N	N
Temp ATWS	Spread 7	15256+05	0.17	N	N
Temp ATWS	Spread 7	15256+43	0.16	N	N
Temp ATWS	Spread 7	15260+59	0.17	N	N
Temp ATWS	Spread 7	15260+66	0.17	N	N
Temp ATWS	Spread 7	15266+47	0.17	N	N
Temp ATWS	Spread 7	15266+63	0.17	N	N
Temp ATWS	Spread 7	15268+66	0.22	N	N
Temp ATWS	Spread 7	15268+84	0.21	N	N
Temp ATWS	Spread 7	15272+62	0.14	N	N
Temp TS	Spread 7	15272+62	0.07	N	N
Temp ATWS	Spread 7	15273+61	0.06	N	N
Temp TS	Spread 7	15275+14	0.22	N	N
Temp ATWS	Spread 7	15282+41	0.06	N	N
Temp ATWS	Spread 7	15283+53	0.15	N	N
Temp ATWS	Spread 7	15286+27	0.04	N	N
Temp ATWS	Spread 7	15300+92	0.06	N	N
Temp ATWS	Spread 7	15304+95	0.15	N	N
Temp ATWS	Spread 7	15305+28	0.17	N	N
Temp ATWS	Spread 7	15309+20	0.05	N	N
Temp ATWS	Spread 7	15310+08	0.08	N	N
Temp ATWS	Spread 7	15310+55	0.15	N	N
Temp ATWS	Spread 7	15312+97	0.04	N	N
Temp ATWS	Spread 7	15313+63	0.04	N	N
Temp ATWS	Spread 7	15316+01	0.06	N	N
Temp ATWS	Spread 7	15322+12	0.06	N	N
Temp ATWS	Spread 7	15337+30	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15337+47	0.17	N	N
Temp ATWS	Spread 7	15341+04	0.17	N	N
Temp ATWS	Spread 7	15341+04	0.16	N	N
Temp TS	Spread 7	15350+87	0.46	N	N
Temp ATWS	Spread 7	15354+75	0.19	N	N
Temp ATWS	Spread 7	15355+65	0.15	N	N
Temp TS	Spread 7	15355+73	0.08	N	N
Temp ATWS	Spread 7	15356+01	0.06	N	N
Temp ATWS	Spread 7	15356+76	0.09	N	N
Temp ATWS	Spread 7	15357+31	0.18	N	N
Temp TS	Spread 7	15357+38	0.08	N	N
Temp TS	Spread 7	15359+62	0.10	N	N
Temp ATWS	Spread 7	15361+21	0.06	N	N
Temp TS	Spread 7	15376+10	1.05	N	N
Temp TS	Spread 7	15398+24	0.67	N	N
Temp ATWS	Spread 7	15437+97	0.13	N	N
Temp ATWS	Spread 7	15438+22	0.16	N	N
Temp ATWS	Spread 7	15443+95	0.23	N	N
Temp ATWS	Spread 7	15444+10	0.17	N	N
Temp TS	Spread 7	15444+12	0.08	N	N
Temp TS	Spread 7	15446+58	0.20	N	N
Temp ATWS	Spread 7	15450+85	0.06	N	N
Temp TS	Spread 7	15450+85	0.03	N	N
Temp ATWS	Spread 7	15454+30	0.17	N	N
Temp TS	Spread 7	15454+71	0.02	N	N
Temp TS	Spread 7	15456+41	0.17	N	N
Temp ATWS	Spread 7	15456+47	0.36	N	N
Temp ATWS	Spread 7	15457+49	0.17	N	N
Temp ATWS	Spread 7	15459+02	0.12	N	N
Temp ATWS	Spread 7	15459+32	0.14	N	N
Temp ATWS	Spread 7	15461+89	0.17	N	N
Temp ATWS	Spread 7	15470+64	0.06	N	N
Temp ATWS	Spread 7	15473+00	0.06	N	N
Temp TS	Spread 7	15478+13	0.24	N	N
Temp ATWS	Spread 7	15494+22	0.06	N	N
Temp ATWS	Spread 7	15495+13	0.05	N	N
Temp ATWS	Spread 7	15497+49	0.05	N	N
Temp ATWS	Spread 7	15500+08	0.06	N	N
Temp TS	Spread 7	15500+08	0.06	N	N
Temp TS	Spread 7	15502+42	0.20	N	N
Temp ATWS	Spread 7	15505+18	0.66	N	N
Temp ATWS	Spread 7	15505+24	0.07	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15539+69	4.41	N	N
Temp ATWS	Spread 7	15543+52	0.06	N	N
Temp ATWS	Spread 7	15543+84	0.14	N	N
Temp ATWS	Spread 7	15546+97	0.17	N	N
Temp ATWS	Spread 7	15547+37	0.23	N	N
Temp ATWS	Spread 7	15551+36	0.17	N	N
Temp TS	Spread 7	15552+74	0.19	N	N
Temp ATWS	Spread 7	15558+30	0.17	N	N
Temp ATWS	Spread 7	15558+53	0.14	N	N
Temp ATWS	Spread 7	15561+22	0.14	N	N
Temp ATWS	Spread 7	15561+41	0.15	N	N
Temp TS	Spread 7	15561+42	0.07	N	N
Temp ATWS	Spread 7	15564+08	0.14	N	N
Temp ATWS	Spread 7	15564+60	0.17	N	N
Temp TS	Spread 7	15568+98	0.20	N	N
Temp ATWS	Spread 7	15571+76	0.06	N	N
Temp ATWS	Spread 7	15572+40	0.06	N	N
Temp ATWS	Spread 7	15574+41	0.05	N	N
Temp ATWS	Spread 7	15574+73	0.06	N	N
Temp ATWS	Spread 7	15596+76	0.18	N	N
Temp ATWS	Spread 7	15597+27	0.16	N	N
Temp ATWS	Spread 7	15598+56	0.17	N	N
Temp ATWS	Spread 7	15599+09	0.18	N	N
Temp ATWS	Spread 7	15609+96	0.17	N	N
Temp ATWS	Spread 7	15610+17	0.16	N	N
Temp ATWS	Spread 7	15614+64	0.17	N	N
Temp ATWS	Spread 7	15615+83	0.17	N	N
Temp ATWS	Spread 7	15626+18	0.17	N	N
Temp ATWS	Spread 7	15627+01	0.15	N	N
Temp ATWS	Spread 7	15635+08	0.15	N	N
Temp ATWS	Spread 7	15637+34	0.19	N	N
Temp ATWS	Spread 7	15678+23	0.06	N	N
Temp ATWS	Spread 7	15680+64	0.06	N	N
Temp ATWS	Spread 7	15682+93	0.18	N	N
Temp ATWS	Spread 7	15684+11	0.15	N	N
Temp ATWS	Spread 7	15684+71	0.17	N	N
Temp ATWS	Spread 7	15685+94	0.19	N	N
Temp TS	Spread 7	15695+12	0.42	N	N
Temp ATWS	Spread 7	15699+52	0.17	N	N
Temp TS	Spread 7	15699+52	0.09	N	N
Temp ATWS	Spread 7	15702+55	0.17	N	N
Temp TS	Spread 7	15705+02	0.20	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15718+40	0.06	N	N
Temp ATWS	Spread 7	15719+19	0.06	N	N
Temp ATWS	Spread 7	15721+23	0.05	N	N
Temp ATWS	Spread 7	15722+44	0.06	N	N
Temp ATWS	Spread 7	15724+49	0.06	N	N
Temp ATWS	Spread 7	15724+54	0.05	N	N
Temp ATWS	Spread 7	15727+13	0.17	N	N
Temp ATWS	Spread 7	15728+38	0.03	N	N
Temp ATWS	Spread 7	15729+29	0.09	N	N
Temp ATWS	Spread 7	15747+16	0.06	N	N
Temp ATWS	Spread 7	15748+06	0.05	N	N
Temp ATWS	Spread 7	15751+82	0.06	N	N
Temp ATWS	Spread 7	15760+56	0.18	N	N
Temp ATWS	Spread 7	15761+58	0.16	N	N
Temp ATWS	Spread 7	15764+63	0.16	N	N
Temp ATWS	Spread 7	15764+99	0.09	N	N
Temp ATWS	Spread 7	15772+66	0.06	N	N
Temp ATWS	Spread 7	15773+01	0.06	N	N
Temp ATWS	Spread 7	15775+25	0.08	N	N
Temp ATWS	Spread 7	15777+74	0.06	N	N
Temp ATWS	Spread 7	15778+03	0.06	N	N
Temp ATWS	Spread 7	15785+00	0.17	N	N
Temp ATWS	Spread 7	15787+59	0.06	N	N
Temp ATWS	Spread 7	15788+14	0.06	N	N
Temp ATWS	Spread 7	15798+59	0.06	N	N
Temp ATWS	Spread 7	15799+36	0.06	N	N
Temp ATWS	Spread 7	15801+57	0.05	N	N
Temp ATWS	Spread 7	15801+59	0.06	N	N
Temp ATWS	Spread 7	15807+79	0.06	N	N
Temp ATWS	Spread 7	15807+81	0.06	N	N
Temp ATWS	Spread 7	15810+33	0.05	N	N
Temp ATWS	Spread 7	15810+92	0.06	N	N
Temp ATWS	Spread 7	15824+96	0.17	N	N
Temp ATWS	Spread 7	15825+07	0.15	N	N
Temp ATWS	Spread 7	15828+96	0.13	N	N
Temp ATWS	Spread 7	15829+87	0.17	N	N
Temp ATWS	Spread 7	15832+98	0.17	N	N
Temp ATWS	Spread 7	15833+81	0.12	N	N
Temp ATWS	Spread 7	15837+88	0.15	N	N
Temp ATWS	Spread 7	15838+07	0.17	N	N
Temp ATWS	Spread 7	15841+85	0.12	N	N
Temp ATWS	Spread 7	15842+41	0.09	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	15845+92	0.16	N	N
Temp ATWS	Spread 7	15846+44	0.17	N	N
Temp ATWS	Spread 7	15865+04	0.15	N	N
Temp ATWS	Spread 7	15869+37	0.23	N	N
Temp ATWS	Spread 7	15873+15	0.17	N	N
Temp ATWS	Spread 7	15882+38	0.07	N	N
Temp ATWS	Spread 7	15884+46	0.16	N	N
Temp ATWS	Spread 7	15887+80	0.30	N	N
Temp ATWS	Spread 7	15887+97	0.17	N	N
Temp ATWS	Spread 7	15890+70	0.17	N	N
Temp ATWS	Spread 7	15895+25	0.17	N	N
Temp ATWS	Spread 7	15896+93	0.21	N	N
Temp ATWS	Spread 7	15897+57	0.19	N	N
Temp ATWS	Spread 7	15899+09	0.05	N	N
Temp ATWS	Spread 7	15899+13	0.66	N	N
Temp ATWS	Spread 7	15916+29	0.11	N	N
Temp ATWS	Spread 7	15919+99	3.73	N	N
Temp ATWS	Spread 7	15927+02	0.10	N	N
Temp ATWS	Spread 7	15932+88	0.17	N	N
Temp ATWS	Spread 7	15935+63	0.17	N	N
Temp ATWS	Spread 7	15938+95	0.17	N	N
Temp ATWS	Spread 7	15944+02	0.04	N	N
Temp ATWS	Spread 7	15947+33	0.06	N	N
Temp TS	Spread 7	15952+11	0.07	N	N
Temp TS	Spread 7	15958+14	0.14	N	N
Temp TS	Spread 7	15965+58	0.19	N	N
Temp ATWS	Spread 7	15971+23	0.17	N	N
Temp ATWS	Spread 7	15973+94	0.05	N	N
Temp ATWS	Spread 7	15977+17	0.23	N	N
Temp ATWS	Spread 7	15977+70	0.14	N	N
Temp TS	Spread 7	15982+71	0.17	N	N
Temp TS	Spread 7	15986+01	0.16	N	N
Temp TS	Spread 7	15988+11	0.08	N	N
Temp ATWS	Spread 7	15988+14	0.17	N	N
Temp TS	Spread 7	15990+69	0.14	N	N
Temp ATWS	Spread 7	15990+85	0.24	N	N
Temp TS	Spread 7	15993+84	0.34	N	N
Temp TS	Spread 7	15999+39	0.12	N	N
Temp ATWS	Spread 7	16001+10	0.19	N	N
Temp ATWS	Spread 7	16002+97	0.19	N	N
Temp TS	Spread 7	16003+07	0.08	N	N
Temp TS	Spread 7	16004+14	0.04	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	16005+24	0.17	N	N
Temp ATWS	Spread 7	16009+18	0.17	N	N
Temp TS	Spread 7	16009+28	0.07	N	N
Temp TS	Spread 7	16011+71	0.20	N	N
Temp ATWS	Spread 7	16014+65	0.17	N	N
Temp ATWS	Spread 7	16018+25	0.13	N	N
Temp ATWS	Spread 7	16033+26	0.17	N	N
Temp ATWS	Spread 7	16037+06	0.13	N	N
Temp ATWS	Spread 7	16048+52	0.06	N	N
Temp ATWS	Spread 7	16051+09	0.06	N	N
Temp TS	Spread 7	16066+51	0.38	N	N
Temp ATWS	Spread 7	16070+65	0.18	N	N
Temp TS	Spread 7	16070+74	0.10	N	N
Temp ATWS	Spread 7	16072+58	0.18	N	N
Temp ATWS	Spread 7	16090+23	0.07	N	N
Temp ATWS	Spread 7	16092+36	0.06	N	N
Temp ATWS	Spread 7	16109+97	0.03	N	N
Temp ATWS	Spread 7	16111+66	0.17	N	N
Temp ATWS	Spread 7	16115+16	0.05	N	N
Temp ATWS	Spread 7	16142+97	0.06	N	N
Temp ATWS	Spread 7	16145+81	0.06	N	N
Temp ATWS	Spread 7	16160+14	0.02	N	N
Temp ATWS	Spread 7	16163+25	0.04	N	N
Temp ATWS	Spread 7	16164+32	0.17	N	N
Temp ATWS	Spread 7	16211+21	0.04	N	N
Temp ATWS	Spread 7	16213+69	0.04	N	N
Temp ATWS	Spread 7	16226+13	0.06	N	N
Temp ATWS	Spread 7	16228+29	0.05	N	N
Temp ATWS	Spread 7	16235+88	0.06	N	N
Temp ATWS	Spread 7	16239+29	0.03	N	N
Temp ATWS	Spread 7	16239+89	0.04	N	N
Temp TS	Spread 7	16245+56	0.08	N	N
Temp ATWS	Spread 7	16245+63	0.15	N	N
Temp TS	Spread 7	16247+99	0.20	N	N
Temp TS	Spread 7	16250+04	0.04	N	N
Temp ATWS	Spread 7	16250+34	0.15	N	N
Temp ATWS	Spread 7	16276+58	0.29	N	N
Temp ATWS	Spread 7	16283+00	0.44	N	N
Temp TS	Spread 7	16293+24	0.39	N	N
Temp TS	Spread 7	16297+11	0.06	N	N
Temp ATWS	Spread 7	16297+32	0.16	N	N
Temp ATWS	Spread 7	16300+75	0.12	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	16305+68	0.23	N	N
Temp ATWS	Spread 7	16307+99	0.18	N	N
Temp ATWS	Spread 7	16309+54	0.11	N	N
Temp ATWS	Spread 7	16319+78	0.17	N	N
Temp ATWS	Spread 7	16325+53	0.17	N	N
Temp ATWS	Spread 7	16327+29	0.17	N	N
Temp ATWS	Spread 7	16336+15	0.06	N	N
Temp ATWS	Spread 7	16359+34	0.06	N	N
Temp ATWS	Spread 7	16362+70	0.06	N	N
Temp ATWS	Spread 7	16367+90	0.17	N	N
Temp ATWS	Spread 7	16370+63	0.06	N	N
Temp ATWS	Spread 7	16376+55	0.15	N	N
Temp ATWS	Spread 7	16380+54	0.17	N	N
Temp ATWS	Spread 7	16400+39	0.06	N	N
Temp ATWS	Spread 7	16404+94	0.06	N	N
Temp ATWS	Spread 7	16406+37	0.06	N	N
Temp ATWS	Spread 7	16424+41	0.05	N	N
Temp ATWS	Spread 7	16427+29	0.17	N	N
Temp TS	Spread 7	16442+09	0.41	N	N
Temp ATWS	Spread 7	16444+93	0.09	N	N
Temp TS	Spread 7	16449+00	0.03	N	N
Temp TS	Spread 7	16450+21	0.17	N	N
Temp ATWS	Spread 7	16461+57	0.06	N	N
Temp ATWS	Spread 7	16464+82	0.06	N	N
Temp ATWS	Spread 7	16474+94	0.06	N	N
Temp ATWS	Spread 7	16481+02	0.06	N	N
Temp ATWS	Spread 7	16491+42	0.17	N	N
Temp ATWS	Spread 7	16491+88	0.17	N	N
Temp ATWS	Spread 7	16494+80	0.17	N	N
Temp ATWS	Spread 7	16496+10	0.17	N	N
Temp ATWS	Spread 7	16497+23	0.06	N	N
Temp ATWS	Spread 7	16498+02	0.06	N	N
Temp ATWS	Spread 7	16502+55	0.06	N	N
Temp ATWS	Spread 7	16502+92	0.06	N	N
Temp ATWS	Spread 7	16513+20	0.17	N	N
Temp ATWS	Spread 7	16513+21	0.17	N	N
Temp ATWS	Spread 7	16516+01	0.16	N	N
Temp ATWS	Spread 7	16516+05	0.17	N	N
Temp ATWS	Spread 7	16522+26	0.06	N	N
Temp ATWS	Spread 7	16522+26	0.06	N	N
Temp ATWS	Spread 7	16524+75	0.06	N	N
Temp ATWS	Spread 7	16524+85	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	16540+59	0.17	N	N
Temp ATWS	Spread 7	16542+07	0.04	N	N
Temp ATWS	Spread 7	16544+06	0.11	N	N
Temp ATWS	Spread 7	16544+48	0.06	N	N
Temp ATWS	Spread 7	16549+46	0.06	N	N
Temp ATWS	Spread 7	16550+15	0.06	N	N
Temp ATWS	Spread 7	16552+16	0.06	N	N
Temp ATWS	Spread 7	16552+96	0.06	N	N
Temp ATWS	Spread 7	16554+89	0.17	N	N
Temp ATWS	Spread 7	16558+47	0.16	N	N
Temp ATWS	Spread 7	16566+58	0.11	N	N
Temp ATWS	Spread 7	16568+45	0.22	N	N
Temp ATWS	Spread 7	16569+17	0.21	N	N
Temp ATWS	Spread 7	16570+65	0.13	N	N
Temp ATWS	Spread 7	16575+21	0.17	N	N
Temp ATWS	Spread 7	16575+23	0.17	N	N
Temp TS	Spread 7	16586+20	0.08	N	N
Temp TS	Spread 7	16587+98	0.27	N	N
Temp TS	Spread 7	16589+09	0.07	N	N
Temp ATWS	Spread 7	16589+20	0.17	N	N
Temp TS	Spread 7	16592+29	0.14	N	N
Temp ATWS	Spread 7	16593+15	0.17	N	N
Temp TS	Spread 7	16601+35	0.10	N	N
Temp TS	Spread 7	16603+31	0.07	N	N
Temp ATWS	Spread 7	16604+85	0.17	N	N
Temp ATWS	Spread 7	16605+49	0.15	N	N
Temp ATWS	Spread 7	16608+38	0.16	N	N
Temp ATWS	Spread 7	16608+85	0.17	N	N
Temp TS	Spread 7	16632+91	0.35	N	N
Temp ATWS	Spread 7	16637+67	0.09	N	N
Temp ATWS	Spread 7	16637+71	0.15	N	N
Temp ATWS	Spread 7	16639+40	0.04	N	N
Temp ATWS	Spread 7	16641+29	0.12	N	N
Temp ATWS	Spread 7	16641+48	0.13	N	N
Temp ATWS	Spread 7	16642+59	0.08	N	N
Temp ATWS	Spread 7	16646+08	0.17	N	N
Temp ATWS	Spread 7	16646+83	0.34	N	N
Temp TS	Spread 7	16646+83	0.17	N	N
Temp ATWS	Spread 7	16649+92	0.17	N	N
Temp ATWS	Spread 7	16653+32	0.47	N	N
Temp ATWS	Spread 7	16658+28	0.17	N	N
Temp ATWS	Spread 7	16659+84	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	16663+26	0.17	N	N
Temp ATWS	Spread 7	16663+69	0.17	N	N
Temp ATWS	Spread 7	16683+70	0.17	N	N
Temp ATWS	Spread 7	16689+54	0.17	N	N
Temp ATWS	Spread 7	16691+35	0.17	N	N
Temp ATWS	Spread 7	16692+99	0.21	N	N
Temp ATWS	Spread 7	16696+14	0.14	N	N
Temp ATWS	Spread 7	16697+55	0.15	N	N
Temp ATWS	Spread 7	16699+27	0.23	N	N
Temp ATWS	Spread 7	16704+88	0.22	N	N
Temp ATWS	Spread 7	16708+68	0.17	N	N
Temp ATWS	Spread 7	16711+05	0.19	N	N
Temp ATWS	Spread 7	16712+92	0.17	N	N
Temp ATWS	Spread 7	16718+50	0.14	N	N
Temp ATWS	Spread 7	16719+89	0.13	N	N
Temp ATWS	Spread 7	16724+41	0.15	N	N
Temp ATWS	Spread 7	16724+98	0.17	N	N
Temp ATWS	Spread 7	16730+00	0.13	N	N
Temp ATWS	Spread 7	16731+24	0.17	N	N
Temp ATWS	Spread 7	16736+03	0.17	N	N
Temp TS	Spread 7	16740+70	0.26	N	N
Temp ATWS	Spread 7	16745+82	0.17	N	N
Temp ATWS	Spread 7	16747+93	0.05	N	N
Temp ATWS	Spread 7	16750+06	0.06	N	N
Temp ATWS	Spread 7	16751+72	0.14	N	N
Temp ATWS	Spread 7	16754+37	0.18	N	N
Temp ATWS	Spread 7	16758+10	0.11	N	N
Temp ATWS	Spread 7	16764+28	0.07	N	N
Temp ATWS	Spread 7	16766+89	0.17	N	N
Temp ATWS	Spread 7	16769+91	0.27	N	N
Temp ATWS	Spread 7	16775+63	0.08	N	N
Temp ATWS	Spread 7	16776+76	0.17	N	N
Temp ATWS	Spread 7	16777+69	0.15	N	N
Temp ATWS	Spread 7	16784+37	0.28	N	N
Temp ATWS	Spread 7	16791+05	0.15	N	N
Temp ATWS	Spread 7	16792+31	0.03	N	N
Temp ATWS	Spread 7	16793+22	0.10	N	N
Temp ATWS	Spread 7	16795+84	0.17	N	N
Temp ATWS	Spread 7	16799+67	0.17	N	N
Temp ATWS	Spread 7	16804+65	0.17	N	N
Temp ATWS	Spread 7	16805+54	0.05	N	N
Temp ATWS	Spread 7	16808+11	0.08	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	16809+55	0.06	N	N
Temp TS	Spread 7	16813+17	0.54	N	N
Temp ATWS	Spread 7	16835+14	0.19	N	N
Temp ATWS	Spread 7	16836+89	0.20	N	N
Temp ATWS	Spread 7	16837+55	0.20	N	N
Temp ATWS	Spread 7	16839+36	0.20	N	N
Temp ATWS	Spread 7	16839+89	0.06	N	N
Temp ATWS	Spread 7	16841+13	0.04	N	N
Temp ATWS	Spread 7	16843+17	0.06	N	N
Temp ATWS	Spread 7	16843+76	0.06	N	N
Temp ATWS	Spread 7	16849+27	0.17	N	N
Temp ATWS	Spread 7	16849+35	0.17	N	N
Temp ATWS	Spread 7	16852+82	0.16	N	N
Temp ATWS	Spread 7	16853+37	0.17	N	N
Temp ATWS	Spread 7	16864+85	0.08	N	N
Temp ATWS	Spread 7	16865+97	0.51	N	N
Temp ATWS	Spread 7	16890+46	0.37	N	N
Temp ATWS	Spread 7	16893+10	0.18	N	N
Temp ATWS	Spread 7	16895+98	0.06	N	N
Temp ATWS	Spread 7	16896+27	0.17	N	N
Temp ATWS	Spread 7	16903+19	0.16	N	N
Temp ATWS	Spread 7	16907+72	3.57	N	N
Temp ATWS	Spread 7	16931+11	0.17	N	N
Temp ATWS	Spread 7	16937+96	0.17	N	N
Temp ATWS	Spread 7	16943+59	0.17	N	N
Temp ATWS	Spread 7	16945+18	0.17	N	N
Temp ATWS	Spread 7	16947+34	0.17	N	N
Temp ATWS	Spread 7	16947+43	0.17	N	N
Temp ATWS	Spread 7	16957+73	0.15	N	N
Temp ATWS	Spread 7	16960+88	0.17	N	N
Temp ATWS	Spread 7	16966+81	0.09	N	N
Temp ATWS	Spread 7	16967+55	0.17	N	N
Temp ATWS	Spread 7	16967+74	0.02	N	N
Temp ATWS	Spread 7	16968+92	0.10	N	N
Temp ATWS	Spread 7	16972+35	0.15	N	N
Temp ATWS	Spread 7	16974+83	0.17	N	N
Temp ATWS	Spread 7	16985+94	0.06	N	N
Temp ATWS	Spread 7	16986+68	0.14	N	N
Temp ATWS	Spread 7	16988+36	0.03	N	N
Temp ATWS	Spread 7	16994+51	0.10	N	N
Temp ATWS	Spread 7	16997+55	0.25	N	N
Temp ATWS	Spread 7	16999+95	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	17002+38	0.04	N	N
Temp ATWS	Spread 7	17004+17	0.12	N	N
Temp ATWS	Spread 7	17008+26	0.10	N	N
Temp ATWS	Spread 7	17010+54	0.17	N	N
Temp ATWS	Spread 7	17065+13	0.06	N	N
Temp ATWS	Spread 7	17065+15	0.05	N	N
Temp ATWS	Spread 7	17067+37	0.06	N	N
Temp ATWS	Spread 7	17067+40	0.05	N	N
Temp ATWS	Spread 7	17068+59	0.17	N	N
Temp ATWS	Spread 7	17069+42	0.14	N	N
Temp ATWS	Spread 7	17076+40	0.15	N	N
Temp ATWS	Spread 7	17077+10	0.07	N	N
Temp ATWS	Spread 7	17081+61	0.17	N	N
Temp ATWS	Spread 7	17082+63	0.44	N	N
Temp ATWS	Spread 7	17083+78	0.06	N	N
Temp ATWS	Spread 7	17085+02	0.05	N	N
Temp ATWS	Spread 7	17093+51	0.03	N	N
Temp ATWS	Spread 7	17093+74	0.08	N	N
Temp ATWS	Spread 7	17094+86	0.16	N	N
Temp ATWS	Spread 7	17095+39	0.18	N	N
Temp TS	Spread 7	17126+75	0.56	N	N
Temp ATWS	Spread 7	17129+76	0.22	N	N
Temp ATWS	Spread 7	17132+03	0.13	N	N
Temp ATWS	Spread 7	17132+26	0.15	N	N
Temp TS	Spread 7	17132+49	0.10	N	N
Temp ATWS	Spread 7	17134+54	0.20	N	N
Temp ATWS	Spread 7	17137+69	0.17	N	N
Temp ATWS	Spread 7	17138+55	0.14	N	N
Temp ATWS	Spread 7	17141+25	0.15	N	N
Temp ATWS	Spread 7	17142+13	0.15	N	N
Temp TS	Spread 7	17144+92	0.23	N	N
Temp TS	Spread 7	17147+62	0.08	N	N
Temp ATWS	Spread 7	17147+73	0.18	N	N
Temp ATWS	Spread 7	17148+90	0.14	N	N
Temp TS	Spread 7	17149+36	0.08	N	N
Temp ATWS	Spread 7	17149+46	0.14	N	N
Temp ATWS	Spread 7	17150+52	0.16	N	N
Temp TS	Spread 7	17156+15	0.70	N	N
Temp ATWS	Spread 7	17169+21	0.17	N	N
Temp TS	Spread 7	17182+74	0.15	N	N
Temp TS	Spread 7	17184+78	0.08	N	N
Temp ATWS	Spread 7	17184+81	0.18	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	17185+14	0.17	N	N
Temp ATWS	Spread 7	17186+82	0.17	N	N
Temp ATWS	Spread 7	17187+14	0.18	N	N
Temp TS	Spread 7	17190+67	0.81	N	N
Temp ATWS	Spread 7	17193+76	0.17	N	N
Temp ATWS	Spread 7	17194+06	0.15	N	N
Temp ATWS	Spread 7	17220+51	0.25	N	N
Temp ATWS	Spread 7	17224+13	0.17	N	N
Temp ATWS	Spread 7	17226+79	0.14	N	N
Temp ATWS	Spread 7	17230+61	0.13	N	N
Temp ATWS	Spread 7	17230+81	0.17	N	N
Temp ATWS	Spread 7	17234+35	0.15	N	N
Temp ATWS	Spread 7	17237+22	0.17	N	N
Temp TS	Spread 7	17240+10	0.64	N	N
Temp ATWS	Spread 7	17246+10	0.06	N	N
Temp TS	Spread 7	17246+10	0.06	N	N
Temp ATWS	Spread 7	17251+57	0.06	N	N
Temp TS	Spread 7	17251+57	0.06	N	N
Temp TS	Spread 7	17252+85	0.11	N	N
Temp ATWS	Spread 7	17253+53	0.13	N	N
Temp TS	Spread 7	17253+53	0.07	N	N
Temp ATWS	Spread 7	17253+78	0.14	N	N
Temp ATWS	Spread 7	17254+40	0.01	N	N
Temp TS	Spread 7	17254+41	0.00	N	N
Temp TS	Spread 7	17256+40	0.09	N	N
Temp ATWS	Spread 7	17256+57	0.21	N	N
Temp ATWS	Spread 7	17258+78	0.18	N	N
Temp ATWS	Spread 7	17258+93	0.15	N	N
Temp TS	Spread 7	17317+01	0.10	N	N
Temp TS	Spread 7	17324+31	0.12	N	N
Temp ATWS	Spread 7	17340+60	0.18	N	N
Temp ATWS	Spread 7	17340+90	0.17	N	N
Temp TS	Spread 7	17342+57	0.09	N	N
Temp ATWS	Spread 7	17342+61	0.17	N	N
Temp ATWS	Spread 7	17342+90	0.17	N	N
Temp TS	Spread 7	17344+42	0.22	N	N
Temp TS	Spread 7	17360+48	1.08	N	N
Temp ATWS	Spread 7	17376+62	0.17	N	N
Temp ATWS	Spread 7	17376+95	0.17	N	N
Temp TS	Spread 7	17385+31	0.04	N	N
Temp ATWS	Spread 7	17385+31	0.08	N	N
Temp ATWS	Spread 7	17386+89	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 7	17388+75	0.35	N	N
Temp ATWS	Spread 7	17392+57	0.17	N	N
Temp TS	Spread 7	17392+57	0.09	N	N
Temp ATWS	Spread 7	17393+30	0.17	N	N
Temp ATWS	Spread 7	17397+29	0.14	N	N
Temp ATWS	Spread 7	17398+27	0.17	N	N
Temp ATWS	Spread 7	17402+64	0.17	N	N
Temp ATWS	Spread 7	17402+79	0.17	N	N
Temp ATWS	Spread 7	17406+33	0.17	N	N
Temp ATWS	Spread 7	17406+84	0.14	N	N
Temp TS	Spread 7	17414+14	0.67	N	N
Temp TS	Spread 7	17421+27	0.08	N	N
Temp ATWS	Spread 7	17421+36	0.21	N	N
Temp ATWS	Spread 7	17422+97	0.20	N	N
Temp ATWS	Spread 7	17423+79	0.20	N	N
Temp TS	Spread 7	17423+95	0.08	N	N
Temp ATWS	Spread 7	17425+35	0.20	N	N
Temp TS	Spread 7	17425+96	0.15	N	N
Temp TS	Spread 7	17434+21	0.15	N	N
Temp TS	Spread 7	17437+49	0.09	N	N
Temp TS	Spread 7	17438+52	0.03	N	N
Temp ATWS	Spread 7	17439+00	0.17	N	N
Temp TS	Spread 7	17440+29	0.06	N	N
Temp TS	Spread 7	17441+42	0.07	N	N
Temp ATWS	Spread 7	17441+53	0.16	N	N
Temp ATWS	Spread 7	17447+04	0.04	N	N
Temp ATWS	Spread 7	17450+91	0.15	N	N
Temp ATWS	Spread 7	17456+97	0.11	N	N
Temp ATWS	Spread 7	17463+86	0.27	N	N
Temp ATWS	Spread 7	17467+46	0.13	N	N
Temp ATWS	Spread 7	17468+63	0.08	N	N
Temp ATWS	Spread 7	17474+53	0.15	N	N
Temp ATWS	Spread 7	17476+58	0.17	N	N
Temp TS	Spread 7	17476+61	0.08	N	N
Temp TS	Spread 7	17477+47	0.02	N	N
Temp ATWS	Spread 7	17478+30	0.17	N	N
Temp TS	Spread 7	17478+30	0.09	N	N
Temp ATWS	Spread 7	17478+65	0.14	N	N
Temp ATWS	Spread 7	17482+44	0.16	N	N
Temp ATWS	Spread 7	17482+44	0.16	N	N
Temp ATWS	Spread 7	17483+53	0.09	N	N
Temp ATWS	Spread 7	17483+94	0.19	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 7	17484+67	0.17	N	N
Temp ATWS	Spread 7	17485+50	0.17	N	N
Temp ATWS	Spread 7	17497+91	0.09	N	N
Temp ATWS	Spread 7	17519+50	0.12	N	N
Temp ATWS	Spread 7	17519+53	0.12	N	N
Temp ATWS	Spread 7	17522+91	0.10	N	N
Temp ATWS	Spread 7	17523+57	0.08	N	N
Temp ATWS	Spread 7	17524+94	0.10	N	N
Temp ATWS	Spread 7	17532+27	0.27	N	N
Temp ATWS	Spread 7	17533+79	0.05	N	N
Temp ATWS	Spread 7	17537+10	0.17	N	N
Temp ATWS	Spread 7	17538+32	0.17	N	N
Temp TS	Spread 7	17538+76	0.03	N	N
Temp TS	Spread 7	17540+42	0.16	N	N
Temp ATWS	Spread 7	17542+08	0.17	N	N
Temp ATWS	Spread 7	17542+49	0.17	N	N
Temp TS	Spread 7	17542+49	0.08	N	N
Temp ATWS	Spread 7	17555+75	0.17	N	N
Temp ATWS	Spread 7	17556+55	0.17	N	N
Temp TS	Spread 7	17566+52	0.62	N	N
Temp ATWS	Spread 7	17573+95	0.17	N	N
Temp ATWS	Spread 7	17574+87	0.16	N	N
Temp ATWS	Spread 7	17603+26	0.17	N	N
Temp ATWS	Spread 7	17603+66	0.17	N	N
Temp ATWS	Spread 7	17607+10	0.10	N	N
Temp TS	Spread 7	17612+27	0.08	N	N
Temp ATWS	Spread 7	17612+90	0.18	N	N
Temp ATWS	Spread 7	17613+68	0.16	N	N
Temp TS	Spread 7	17613+74	0.09	N	N
Temp ATWS	Spread 8	1001+97	0.06	Y	Y
Temp ATWS	Spread 8	1002+71	0.06	Y	Y
Temp TS	Spread 8	1002+71	0.06	Y	Y
Temp TS	Spread 8	1003+51	0.03	Y	Y
Temp ATWS	Spread 8	1004+71	0.06	Y	Y
Temp ATWS	Spread 8	1006+08	0.06	Y	Y
Temp TS	Spread 8	1006+09	0.06	Y	Y
Temp TS	Spread 8	1009+50	0.33	Y	Y
Temp ATWS	Spread 8	1013+66	0.06	Y	Y
Temp ATWS	Spread 8	1013+76	0.05	Y	Y
Temp TS	Spread 8	1013+84	0.04	Y	Y
Temp ATWS	Spread 8	1015+05	0.05	Y	Y
Temp ATWS	Spread 8	1015+23	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	1015+23	0.06	Y	Y
Temp TS	Spread 8	1022+84	1.29	Y	Y
Temp ATWS	Spread 8	1026+35	1.27	Y	Y
Temp ATWS	Spread 8	1038+01	0.06	Y	Y
Temp ATWS	Spread 8	1039+91	0.06	Y	Y
Temp ATWS	Spread 8	1043+20	0.06	Y	Y
Temp ATWS	Spread 8	1046+07	0.06	Y	Y
Temp ATWS	Spread 8	105+43	0.06	Y	Y
Temp ATWS	Spread 8	1059+52	0.11	Y	Y
Temp ATWS	Spread 8	106+63	0.06	Y	Y
Temp ATWS	Spread 8	1065+00	0.06	Y	Y
Temp ATWS	Spread 8	1065+01	0.06	Y	Y
Temp ATWS	Spread 8	1103+49	0.04	Y	Y
Temp ATWS	Spread 8	1103+63	0.05	Y	Y
Temp ATWS	Spread 8	1107+40	0.06	Y	Y
Temp ATWS	Spread 8	1109+35	0.05	Y	Y
Temp ATWS	Spread 8	1109+74	0.06	Y	Y
Temp TS	Spread 8	1109+78	0.05	Y	Y
Temp TS	Spread 8	1111+60	0.16	Y	Y
Temp ATWS	Spread 8	1113+12	0.06	Y	Y
Temp ATWS	Spread 8	1113+17	0.06	Y	Y
Temp TS	Spread 8	1113+17	0.06	Y	Y
Temp TS	Spread 8	1120+68	0.06	Y	Y
Temp ATWS	Spread 8	1120+69	0.06	Y	Y
Temp TS	Spread 8	1123+73	0.29	Y	Y
Temp ATWS	Spread 8	1125+05	0.06	Y	Y
Temp TS	Spread 8	1126+60	0.04	Y	Y
Temp ATWS	Spread 8	1126+73	0.05	Y	Y
Temp ATWS	Spread 8	1128+06	0.05	Y	Y
Temp TS	Spread 8	1128+31	0.06	Y	Y
Temp ATWS	Spread 8	1128+44	0.05	Y	Y
Temp ATWS	Spread 8	1129+78	0.05	Y	Y
Temp TS	Spread 8	1130+37	0.17	Y	Y
Temp ATWS	Spread 8	1131+92	0.06	Y	Y
Temp TS	Spread 8	1132+36	0.06	Y	Y
Temp ATWS	Spread 8	1132+36	0.06	Y	Y
Temp ATWS	Spread 8	1133+95	0.04	Y	Y
Temp TS	Spread 8	1133+95	0.04	Y	Y
Temp TS	Spread 8	1136+76	0.11	Y	Y
Temp ATWS	Spread 8	1138+25	0.06	Y	Y
Temp TS	Spread 8	1138+25	0.06	Y	Y
Temp ATWS	Spread 8	1170+51	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	1172+80	0.06	Y	Y
Temp ATWS	Spread 8	1179+76	0.06	N	N
Temp ATWS	Spread 8	1180+32	0.06	Y	Y
Temp ATWS	Spread 8	1183+82	0.09	Y	Y
Temp ATWS	Spread 8	1185+25	0.06	Y	Y
Temp ATWS	Spread 8	1185+28	0.06	Y	Y
Temp ATWS	Spread 8	1189+08	0.06	Y	Y
Temp ATWS	Spread 8	1189+34	0.06	Y	Y
Temp ATWS	Spread 8	1192+68	0.06	Y	Y
Temp ATWS	Spread 8	1193+22	0.07	Y	Y
Temp ATWS	Spread 8	1194+96	0.06	Y	Y
Temp ATWS	Spread 8	1200+13	0.06	Y	Y
Temp ATWS	Spread 8	1203+54	0.06	Y	Y
Temp ATWS	Spread 8	1203+87	0.06	Y	Y
Temp TS	Spread 8	1211+28	0.21	Y	Y
Temp ATWS	Spread 8	1213+52	0.06	Y	Y
Temp ATWS	Spread 8	1213+57	0.06	Y	Y
Temp TS	Spread 8	1213+58	0.06	Y	Y
Temp ATWS	Spread 8	1215+13	0.06	Y	Y
Temp ATWS	Spread 8	1215+18	0.06	Y	Y
Temp TS	Spread 8	1215+19	0.06	Y	Y
Temp TS	Spread 8	1218+25	0.29	Y	Y
Temp ATWS	Spread 8	1222+20	0.06	Y	Y
Temp ATWS	Spread 8	1222+61	0.06	Y	Y
Temp ATWS	Spread 8	1226+00	0.08	Y	Y
Temp ATWS	Spread 8	1230+39	0.06	Y	Y
Temp ATWS	Spread 8	1231+09	0.06	Y	Y
Temp ATWS	Spread 8	1240+26	0.06	Y	Y
Temp ATWS	Spread 8	1241+30	0.06	Y	Y
Temp TS	Spread 8	1249+45	0.07	N	N
Temp ATWS	Spread 8	1249+45	0.07	N	N
Temp TS	Spread 8	125+21	1.18	Y	Y
Temp ATWS	Spread 8	1252+69	0.06	N	N
Temp TS	Spread 8	1253+88	0.08	N	N
Temp ATWS	Spread 8	1255+06	0.06	N	N
Temp TS	Spread 8	1255+07	0.06	N	N
Temp ATWS	Spread 8	1258+49	0.06	N	N
Temp ATWS	Spread 8	1258+68	0.05	N	N
Temp TS	Spread 8	1261+13	0.14	Y	Y
Temp TS	Spread 8	1262+32	0.28	Y	Y
Temp ATWS	Spread 8	1262+60	0.06	Y	Y
Temp ATWS	Spread 8	1262+87	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	1264+24	0.06	Y	Y
Temp ATWS	Spread 8	1264+51	0.06	Y	Y
Temp TS	Spread 8	1264+54	0.05	Y	Y
Temp TS	Spread 8	1265+57	0.07	Y	Y
Temp ATWS	Spread 8	1267+42	0.06	Y	Y
Temp ATWS	Spread 8	1268+68	0.06	Y	Y
Temp ATWS	Spread 8	127+38	0.05	Y	Y
Temp ATWS	Spread 8	1272+28	0.06	Y	Y
Temp TS	Spread 8	1272+52	0.06	Y	Y
Temp ATWS	Spread 8	1272+52	0.06	Y	Y
Temp TS	Spread 8	1276+82	0.44	Y	Y
Temp ATWS	Spread 8	1282+26	0.06	Y	Y
Temp ATWS	Spread 8	1284+36	0.06	Y	Y
Temp ATWS	Spread 8	1286+79	0.06	Y	Y
Temp TS	Spread 8	129+10	0.06	Y	Y
Temp ATWS	Spread 8	129+25	0.15	Y	Y
Temp ATWS	Spread 8	1290+43	0.06	Y	Y
Temp ATWS	Spread 8	1295+18	0.06	Y	Y
Temp ATWS	Spread 8	1295+38	0.06	Y	Y
Temp ATWS	Spread 8	130+82	0.05	Y	Y
Temp ATWS	Spread 8	1304+24	0.06	Y	Y
Temp ATWS	Spread 8	1304+99	0.06	Y	Y
Temp ATWS	Spread 8	1305+43	0.15	Y	Y
Temp ATWS	Spread 8	1319+41	0.06	Y	Y
Temp ATWS	Spread 8	1319+54	0.21	Y	Y
Temp ATWS	Spread 8	1323+54	0.06	Y	Y
Temp ATWS	Spread 8	1327+26	0.06	Y	Y
Temp ATWS	Spread 8	1328+85	0.11	Y	Y
Temp ATWS	Spread 8	1335+63	0.06	Y	Y
Temp ATWS	Spread 8	1336+31	0.06	Y	Y
Temp ATWS	Spread 8	1338+24	0.17	Y	Y
Temp ATWS	Spread 8	1339+46	0.05	Y	Y
Temp ATWS	Spread 8	1348+11	0.06	Y	Y
Temp ATWS	Spread 8	1348+12	0.06	Y	Y
Temp ATWS	Spread 8	1354+55	0.06	Y	Y
Temp ATWS	Spread 8	1355+42	0.06	Y	Y
Temp ATWS	Spread 8	1358+44	0.08	Y	Y
Temp ATWS	Spread 8	1358+47	0.06	Y	Y
Temp ATWS	Spread 8	1361+54	0.06	Y	Y
Temp ATWS	Spread 8	1377+16	0.06	N	N
Temp TS	Spread 8	1377+16	0.06	N	N
Temp ATWS	Spread 8	1377+17	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	1379+28	0.15	N	N
Temp ATWS	Spread 8	1380+13	0.06	N	N
Temp ATWS	Spread 8	1380+46	0.06	N	N
Temp TS	Spread 8	1380+49	0.06	N	N
Temp ATWS	Spread 8	1381+76	0.06	N	N
Temp ATWS	Spread 8	1382+07	0.06	N	N
Temp TS	Spread 8	1382+10	0.05	N	N
Temp TS	Spread 8	1383+13	0.07	N	N
Temp TS	Spread 8	1386+52	0.13	N	N
Temp ATWS	Spread 8	1388+73	0.06	N	N
Temp ATWS	Spread 8	1388+75	0.06	N	N
Temp ATWS	Spread 8	1394+78	0.06	N	N
Temp ATWS	Spread 8	1395+39	0.05	N	N
Temp TS	Spread 8	1397+83	0.27	Y	Y
Temp ATWS	Spread 8	14+99	0.06	Y	Y
Temp ATWS	Spread 8	1400+67	0.04	N	Y
Temp ATWS	Spread 8	1402+57	0.05	N	Y
Temp ATWS	Spread 8	1402+78	0.04	N	N
Temp ATWS	Spread 8	1404+27	0.05	N	N
Temp TS	Spread 8	1406+20	0.35	N	N
Temp ATWS	Spread 8	1409+69	0.05	N	N
Temp ATWS	Spread 8	1414+28	0.06	N	N
Temp ATWS	Spread 8	1435+51	0.06	Y	Y
Temp ATWS	Spread 8	1435+55	0.06	Y	Y
Temp TS	Spread 8	1442+28	0.20	N	Y
Temp ATWS	Spread 8	1444+17	0.06	N	Y
Temp ATWS	Spread 8	1444+32	0.06	N	Y
Temp TS	Spread 8	1444+32	0.06	N	Y
Temp ATWS	Spread 8	1446+91	0.06	Y	Y
Temp ATWS	Spread 8	1447+01	0.06	Y	Y
Temp TS	Spread 8	1447+01	0.06	N	Y
Temp TS	Spread 8	1453+81	0.60	Y	Y
Temp TS	Spread 8	1458+85	0.05	Y	Y
Temp ATWS	Spread 8	1458+91	0.05	Y	Y
Temp ATWS	Spread 8	1459+86	0.05	Y	Y
Temp ATWS	Spread 8	1460+53	0.05	N	N
Temp ATWS	Spread 8	1461+53	0.05	N	Y
Temp ATWS	Spread 8	1461+78	0.06	N	N
Temp TS	Spread 8	1462+32	0.04	N	N
Temp ATWS	Spread 8	1463+16	0.06	N	N
Temp TS	Spread 8	1463+16	0.06	N	N
Temp TS	Spread 8	1463+95	0.03	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	1479+55	0.06	Y	Y
Temp ATWS	Spread 8	1479+91	0.06	Y	Y
Temp TS	Spread 8	1483+35	0.42	Y	Y
Temp ATWS	Spread 8	1488+70	0.06	Y	Y
Temp ATWS	Spread 8	1488+71	0.06	Y	Y
Temp TS	Spread 8	149+26	1.50	Y	Y
Temp ATWS	Spread 8	1493+39	0.06	Y	Y
Temp ATWS	Spread 8	1493+48	0.06	Y	Y
Temp TS	Spread 8	1506+59	0.64	Y	Y
Temp ATWS	Spread 8	1511+92	0.05	Y	Y
Temp ATWS	Spread 8	1512+55	0.05	Y	Y
Temp TS	Spread 8	1512+60	0.05	Y	Y
Temp ATWS	Spread 8	1513+52	0.05	Y	Y
Temp TS	Spread 8	1516+43	0.27	Y	Y
Temp ATWS	Spread 8	1516+44	0.56	Y	Y
Temp TS	Spread 8	1526+54	0.83	Y	Y
Temp TS	Spread 8	1542+92	0.80	Y	Y
Temp TS	Spread 8	1550+16	0.01	Y	Y
Temp ATWS	Spread 8	1550+18	0.01	Y	Y
Temp ATWS	Spread 8	1550+76	0.06	Y	Y
Temp TS	Spread 8	1550+81	0.03	Y	Y
Temp ATWS	Spread 8	1550+84	0.03	Y	Y
Temp ATWS	Spread 8	1554+35	0.05	Y	Y
Temp ATWS	Spread 8	1558+64	0.03	Y	Y
Temp ATWS	Spread 8	1558+75	0.05	Y	Y
Temp TS	Spread 8	1559+98	0.18	N	Y
Temp ATWS	Spread 8	1560+11	0.34	Y	Y
Temp ATWS	Spread 8	1561+73	0.06	Y	Y
Temp ATWS	Spread 8	1565+12	0.06	Y	Y
Temp ATWS	Spread 8	1565+12	0.06	Y	Y
Temp TS	Spread 8	1570+47	0.35	Y	Y
Temp ATWS	Spread 8	1573+89	0.06	Y	Y
Temp ATWS	Spread 8	1574+01	0.06	Y	Y
Temp TS	Spread 8	1574+01	0.06	Y	Y
Temp TS	Spread 8	1574+63	0.01	Y	Y
Temp ATWS	Spread 8	1579+35	0.06	Y	Y
Temp ATWS	Spread 8	1579+37	0.06	Y	Y
Temp ATWS	Spread 8	1594+47	0.06	Y	Y
Temp ATWS	Spread 8	1594+47	0.06	Y	Y
Temp ATWS	Spread 8	16+01	0.06	Y	Y
Temp ATWS	Spread 8	1601+21	0.06	Y	Y
Temp ATWS	Spread 8	1602+68	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	1608+97	0.60	Y	Y
Temp ATWS	Spread 8	161+92	0.06	Y	Y
Temp ATWS	Spread 8	1614+42	0.06	Y	Y
Temp ATWS	Spread 8	1614+74	0.06	Y	Y
Temp TS	Spread 8	1614+78	0.06	Y	Y
Temp ATWS	Spread 8	1616+04	0.06	Y	Y
Temp ATWS	Spread 8	1616+88	0.11	Y	Y
Temp TS	Spread 8	1616+91	0.11	Y	Y
Temp ATWS	Spread 8	1617+88	0.06	Y	Y
Temp ATWS	Spread 8	162+85	0.06	Y	Y
Temp TS	Spread 8	1621+31	0.02	Y	Y
Temp TS	Spread 8	1622+00	0.06	Y	Y
Temp ATWS	Spread 8	1622+00	0.06	Y	Y
Temp ATWS	Spread 8	1623+79	0.06	Y	Y
Temp TS	Spread 8	1624+35	0.21	Y	Y
Temp TS	Spread 8	1630+70	0.19	Y	Y
Temp ATWS	Spread 8	1634+23	0.06	Y	Y
Temp ATWS	Spread 8	1634+79	0.06	Y	Y
Temp ATWS	Spread 8	1638+84	0.06	Y	Y
Temp TS	Spread 8	1641+65	0.13	Y	Y
Temp ATWS	Spread 8	1643+30	0.06	Y	Y
Temp TS	Spread 8	1643+30	0.06	Y	Y
Temp TS	Spread 8	1646+49	0.31	Y	Y
Temp TS	Spread 8	1654+75	0.23	Y	Y
Temp ATWS	Spread 8	1657+97	0.06	Y	Y
Temp ATWS	Spread 8	1658+08	0.06	Y	Y
Temp ATWS	Spread 8	1664+08	0.08	Y	Y
Temp ATWS	Spread 8	1664+39	0.06	Y	Y
Temp ATWS	Spread 8	1666+46	0.06	Y	Y
Temp ATWS	Spread 8	1666+67	0.06	Y	Y
Temp ATWS	Spread 8	167+87	0.06	Y	Y
Temp ATWS	Spread 8	167+87	0.06	Y	Y
Temp TS	Spread 8	1670+62	0.07	Y	Y
Temp ATWS	Spread 8	1671+73	0.06	Y	Y
Temp ATWS	Spread 8	1672+84	0.06	Y	Y
Temp ATWS	Spread 8	1675+70	0.06	Y	Y
Temp ATWS	Spread 8	1675+98	0.06	Y	Y
Temp TS	Spread 8	1682+65	0.44	Y	Y
Temp ATWS	Spread 8	1686+79	0.06	Y	Y
Temp ATWS	Spread 8	1687+01	0.06	Y	Y
Temp TS	Spread 8	1687+03	0.06	Y	Y
Temp ATWS	Spread 8	1688+41	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	1688+63	0.06	Y	Y
Temp TS	Spread 8	1688+65	0.05	Y	Y
Temp TS	Spread 8	1690+79	0.19	Y	Y
Temp ATWS	Spread 8	1692+74	0.06	Y	Y
Temp ATWS	Spread 8	1692+96	0.06	Y	Y
Temp ATWS	Spread 8	1696+20	0.06	Y	Y
Temp ATWS	Spread 8	1696+43	0.06	Y	Y
Temp TS	Spread 8	1696+47	0.05	Y	Y
Temp TS	Spread 8	1698+28	0.21	Y	Y
Temp TS	Spread 8	1703+25	0.21	Y	Y
Temp TS	Spread 8	1708+56	0.40	Y	Y
Temp TS	Spread 8	1712+79	0.05	Y	Y
Temp ATWS	Spread 8	1712+83	0.05	Y	Y
Temp ATWS	Spread 8	1713+83	0.06	Y	Y
Temp ATWS	Spread 8	1720+28	0.06	Y	Y
Temp ATWS	Spread 8	1721+09	0.06	Y	Y
Temp TS	Spread 8	173+32	0.42	Y	Y
Temp TS	Spread 8	1738+87	1.65	Y	Y
Temp ATWS	Spread 8	1752+55	0.05	Y	Y
Temp ATWS	Spread 8	1753+41	0.06	Y	Y
Temp TS	Spread 8	1753+41	0.06	Y	Y
Temp ATWS	Spread 8	1754+91	0.06	Y	Y
Temp ATWS	Spread 8	1755+76	0.06	Y	Y
Temp TS	Spread 8	1755+83	0.05	Y	Y
Temp TS	Spread 8	1757+60	0.16	Y	Y
Temp ATWS	Spread 8	1757+88	0.06	Y	Y
Temp ATWS	Spread 8	1759+44	0.06	Y	Y
Temp TS	Spread 8	1759+45	0.06	Y	Y
Temp ATWS	Spread 8	1760+70	0.06	Y	Y
Temp ATWS	Spread 8	1762+27	0.06	Y	Y
Temp TS	Spread 8	1762+27	0.06	Y	Y
Temp TS	Spread 8	1766+85	0.51	Y	Y
Temp TS	Spread 8	177+45	0.06	Y	Y
Temp ATWS	Spread 8	177+45	0.06	Y	Y
Temp ATWS	Spread 8	1774+22	0.05	Y	Y
Temp ATWS	Spread 8	1775+48	0.06	Y	Y
Temp ATWS	Spread 8	1776+08	0.06	Y	Y
Temp ATWS	Spread 8	1777+34	0.05	Y	Y
Temp ATWS	Spread 8	1781+41	0.06	Y	Y
Temp ATWS	Spread 8	1782+73	0.06	Y	Y
Temp ATWS	Spread 8	1789+02	0.06	Y	Y
Temp ATWS	Spread 8	179+12	0.06	Y	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	1793+52	0.22	Y	Y
Temp TS	Spread 8	1793+64	0.09	N	Y
Temp ATWS	Spread 8	1801+16	0.84	Y	Y
Temp ATWS	Spread 8	181+91	0.06	Y	Y
Temp TS	Spread 8	1822+50	0.07	Y	Y
Temp ATWS	Spread 8	1822+99	0.50	Y	Y
Temp ATWS	Spread 8	1823+42	0.05	Y	Y
Temp TS	Spread 8	1827+21	0.26	Y	Y
Temp ATWS	Spread 8	183+55	0.06	Y	Y
Temp ATWS	Spread 8	1830+92	0.36	Y	Y
Temp TS	Spread 8	1830+95	0.18	N	Y
Temp ATWS	Spread 8	1831+07	0.00	N	N
Temp ATWS	Spread 8	184+88	0.05	Y	Y
Temp TS	Spread 8	1843+96	1.37	Y	Y
Temp TS	Spread 8	1856+62	0.08	Y	Y
Temp TS	Spread 8	1858+64	0.07	Y	Y
Temp ATWS	Spread 8	1858+72	0.06	Y	Y
Temp ATWS	Spread 8	1859+68	0.05	Y	Y
Temp TS	Spread 8	1859+76	0.06	Y	Y
Temp ATWS	Spread 8	186+10	0.12	Y	Y
Temp TS	Spread 8	1860+21	0.06	Y	Y
Temp ATWS	Spread 8	1860+31	0.05	Y	Y
Temp ATWS	Spread 8	1861+29	0.05	Y	Y
Temp TS	Spread 8	1861+43	0.06	Y	Y
Temp ATWS	Spread 8	1861+43	0.06	Y	Y
Temp ATWS	Spread 8	1864+55	0.06	Y	Y
Temp ATWS	Spread 8	1864+55	0.06	Y	Y
Temp ATWS	Spread 8	1870+06	0.06	Y	Y
Temp ATWS	Spread 8	1871+06	0.06	Y	Y
Temp ATWS	Spread 8	1874+00	0.06	Y	Y
Temp ATWS	Spread 8	1874+57	0.12	Y	Y
Temp TS	Spread 8	1875+49	0.11	Y	Y
Temp ATWS	Spread 8	1876+88	0.05	Y	Y
Temp ATWS	Spread 8	1879+04	0.06	Y	Y
Temp ATWS	Spread 8	188+35	0.06	Y	Y
Temp ATWS	Spread 8	188+46	0.16	Y	Y
Temp ATWS	Spread 8	1880+37	0.06	Y	Y
Temp ATWS	Spread 8	1881+77	0.03	Y	Y
Temp ATWS	Spread 8	1884+88	0.06	Y	Y
Temp ATWS	Spread 8	1885+50	0.06	Y	Y
Temp TS	Spread 8	1892+85	0.45	Y	Y
Temp ATWS	Spread 8	191+59	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	192+29	0.06	Y	Y
Temp TS	Spread 8	1943+90	0.39	Y	Y
Temp ATWS	Spread 8	1950+18	0.06	Y	Y
Temp ATWS	Spread 8	1950+21	0.06	Y	Y
Temp TS	Spread 8	1962+45	0.06	N	Y
Temp ATWS	Spread 8	1962+45	0.06	Y	Y
Temp ATWS	Spread 8	1963+51	0.06	Y	Y
Temp ATWS	Spread 8	1964+39	0.06	Y	Y
Temp ATWS	Spread 8	1965+27	0.06	Y	Y
Temp ATWS	Spread 8	1967+94	0.04	Y	Y
Temp ATWS	Spread 8	1968+83	0.06	Y	Y
Temp TS	Spread 8	1969+40	0.12	Y	Y
Temp ATWS	Spread 8	1971+21	0.04	Y	Y
Temp ATWS	Spread 8	1971+63	0.17	Y	Y
Temp ATWS	Spread 8	1971+73	0.01	Y	Y
Temp ATWS	Spread 8	1972+90	0.05	Y	Y
Temp TS	Spread 8	1973+73	0.05	Y	Y
Temp ATWS	Spread 8	1975+51	0.27	Y	Y
Temp ATWS	Spread 8	1976+84	0.06	Y	Y
Temp ATWS	Spread 8	1986+20	0.06	Y	Y
Temp ATWS	Spread 8	1987+40	0.06	Y	Y
Temp TS	Spread 8	1988+95	0.20	Y	Y
Temp ATWS	Spread 8	199+33	0.06	Y	Y
Temp ATWS	Spread 8	199+33	0.06	Y	Y
Temp ATWS	Spread 8	20+29	0.06	Y	Y
Temp TS	Spread 8	2004+54	1.16	Y	Y
Temp ATWS	Spread 8	2018+05	0.06	Y	Y
Temp ATWS	Spread 8	2018+92	0.06	Y	Y
Temp ATWS	Spread 8	2021+46	0.06	Y	Y
Temp ATWS	Spread 8	2023+13	0.07	Y	Y
Temp ATWS	Spread 8	2023+93	0.06	Y	Y
Temp ATWS	Spread 8	2028+44	0.06	Y	Y
Temp ATWS	Spread 8	2031+41	0.06	Y	Y
Temp ATWS	Spread 8	2032+93	0.06	Y	Y
Temp ATWS	Spread 8	2033+11	0.06	Y	Y
Temp ATWS	Spread 8	2034+70	0.06	Y	Y
Temp ATWS	Spread 8	2035+37	0.11	Y	Y
Temp ATWS	Spread 8	2036+88	0.06	Y	Y
Temp ATWS	Spread 8	2040+09	0.06	Y	Y
Temp ATWS	Spread 8	2040+37	0.06	Y	Y
Temp ATWS	Spread 8	2047+86	0.06	Y	Y
Temp ATWS	Spread 8	2048+94	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	2053+20	0.06	Y	Y
Temp ATWS	Spread 8	2053+26	0.06	Y	Y
Temp ATWS	Spread 8	2056+77	0.06	Y	Y
Temp ATWS	Spread 8	2057+86	0.06	Y	Y
Temp ATWS	Spread 8	2061+16	0.06	Y	Y
Temp ATWS	Spread 8	2062+52	0.06	Y	Y
Temp ATWS	Spread 8	2071+12	0.06	Y	Y
Temp ATWS	Spread 8	2071+42	0.06	Y	Y
Temp ATWS	Spread 8	2074+40	0.06	Y	Y
Temp ATWS	Spread 8	2075+29	0.06	Y	Y
Temp ATWS	Spread 8	2077+11	0.06	Y	Y
Temp ATWS	Spread 8	2077+74	0.06	Y	Y
Temp ATWS	Spread 8	2081+62	0.06	Y	Y
Temp ATWS	Spread 8	2083+30	0.06	Y	Y
Temp ATWS	Spread 8	2089+55	0.06	Y	Y
Temp ATWS	Spread 8	2089+95	0.06	Y	Y
Temp ATWS	Spread 8	2096+96	0.08	Y	Y
Temp ATWS	Spread 8	2097+20	0.08	Y	Y
Temp ATWS	Spread 8	2108+20	0.06	Y	Y
Temp ATWS	Spread 8	2109+37	0.06	Y	Y
Temp TS	Spread 8	2113+80	0.33	Y	Y
Temp TS	Spread 8	2116+66	0.06	Y	Y
Temp ATWS	Spread 8	2116+69	0.06	Y	Y
Temp ATWS	Spread 8	2116+91	0.06	Y	Y
Temp ATWS	Spread 8	2118+28	0.06	Y	Y
Temp ATWS	Spread 8	2118+50	0.06	Y	Y
Temp TS	Spread 8	2118+52	0.05	Y	Y
Temp TS	Spread 8	2119+50	0.06	Y	Y
Temp ATWS	Spread 8	2121+46	0.06	Y	Y
Temp ATWS	Spread 8	2122+83	0.06	Y	Y
Temp ATWS	Spread 8	2125+00	0.06	Y	Y
Temp ATWS	Spread 8	2125+80	0.06	Y	Y
Temp ATWS	Spread 8	2132+80	0.05	Y	Y
Temp ATWS	Spread 8	2133+21	0.06	Y	Y
Temp ATWS	Spread 8	2136+58	0.06	Y	Y
Temp ATWS	Spread 8	2137+42	0.06	Y	Y
Temp TS	Spread 8	2138+34	0.05	Y	Y
Temp TS	Spread 8	2139+80	0.14	N	Y
Temp ATWS	Spread 8	2141+87	0.06	Y	Y
Temp ATWS	Spread 8	2142+03	0.06	Y	Y
Temp ATWS	Spread 8	2146+04	0.06	Y	Y
Temp TS	Spread 8	2146+16	0.04	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	2146+64	1.30	N	N
Temp ATWS	Spread 8	2146+89	0.06	Y	Y
Temp TS	Spread 8	2146+99	0.05	Y	Y
Temp TS	Spread 8	2148+43	0.11	N	N
Temp ATWS	Spread 8	2148+55	0.05	Y	Y
Temp ATWS	Spread 8	2149+04	0.29	Y	Y
Temp TS	Spread 8	2149+41	0.07	Y	Y
Temp ATWS	Spread 8	2150+56	0.06	N	N
Temp ATWS	Spread 8	2151+06	0.06	N	N
Temp TS	Spread 8	2151+11	0.06	N	N
Temp TS	Spread 8	2153+00	0.15	N	N
Temp ATWS	Spread 8	2155+57	0.05	N	N
Temp TS	Spread 8	2155+68	0.04	N	N
Temp ATWS	Spread 8	2157+62	0.06	N	N
Temp TS	Spread 8	2157+66	0.05	N	N
Temp TS	Spread 8	2158+81	0.08	N	N
Temp ATWS	Spread 8	2160+50	0.11	N	N
Temp ATWS	Spread 8	2177+39	0.50	N	N
Temp ATWS	Spread 8	2177+58	0.13	N	N
Temp TS	Spread 8	2178+99	0.07	N	N
Temp ATWS	Spread 8	2180+61	0.10	Y	Y
Temp ATWS	Spread 8	2181+10	0.33	Y	Y
Temp TS	Spread 8	2181+17	0.15	N	Y
Temp ATWS	Spread 8	2187+43	0.06	Y	Y
Temp TS	Spread 8	2187+43	0.06	Y	Y
Temp ATWS	Spread 8	2187+71	0.06	Y	Y
Temp TS	Spread 8	2189+23	0.15	Y	Y
Temp ATWS	Spread 8	2191+02	0.06	N	Y
Temp ATWS	Spread 8	2191+03	0.06	Y	Y
Temp TS	Spread 8	2191+03	0.06	Y	Y
Temp ATWS	Spread 8	2196+00	0.06	Y	Y
Temp ATWS	Spread 8	2196+30	0.06	Y	Y
Temp ATWS	Spread 8	22+17	0.06	Y	Y
Temp ATWS	Spread 8	2218+92	0.06	Y	Y
Temp ATWS	Spread 8	2219+87	0.06	Y	Y
Temp ATWS	Spread 8	2222+39	0.06	Y	Y
Temp ATWS	Spread 8	2222+71	0.02	Y	Y
Temp ATWS	Spread 8	2226+05	0.06	Y	Y
Temp ATWS	Spread 8	2226+57	0.06	Y	Y
Temp ATWS	Spread 8	2229+78	0.06	Y	Y
Temp ATWS	Spread 8	2229+80	0.06	Y	Y
Temp TS	Spread 8	223+85	0.13	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	2231+43	0.06	Y	Y
Temp ATWS	Spread 8	2231+75	0.06	Y	Y
Temp ATWS	Spread 8	2234+62	0.06	Y	Y
Temp ATWS	Spread 8	2235+03	0.06	Y	Y
Temp ATWS	Spread 8	2236+90	0.05	N	Y
Temp ATWS	Spread 8	2237+61	0.05	N	Y
Temp ATWS	Spread 8	2239+15	0.05	N	Y
Temp ATWS	Spread 8	224+98	0.05	Y	Y
Temp TS	Spread 8	225+04	0.06	Y	Y
Temp TS	Spread 8	225+85	0.06	Y	Y
Temp ATWS	Spread 8	225+91	0.05	Y	Y
Temp ATWS	Spread 8	2253+40	0.08	N	N
Temp ATWS	Spread 8	2253+60	0.06	N	N
Temp ATWS	Spread 8	2256+24	0.06	N	N
Temp TS	Spread 8	2256+24	0.06	N	N
Temp ATWS	Spread 8	226+59	0.05	Y	Y
Temp TS	Spread 8	2260+29	0.45	N	N
Temp ATWS	Spread 8	2281+57	0.06	N	N
Temp ATWS	Spread 8	2284+11	0.06	N	N
Temp ATWS	Spread 8	2286+92	0.06	N	N
Temp ATWS	Spread 8	2288+06	0.05	N	N
Temp TS	Spread 8	229+12	0.32	Y	Y
Temp TS	Spread 8	2291+13	0.39	N	N
Temp ATWS	Spread 8	2306+11	0.06	Y	Y
Temp ATWS	Spread 8	2306+17	0.06	Y	Y
Temp ATWS	Spread 8	2307+72	0.06	Y	Y
Temp TS	Spread 8	2307+72	0.06	Y	Y
Temp ATWS	Spread 8	2307+78	0.06	Y	Y
Temp TS	Spread 8	2315+32	0.81	Y	Y
Temp ATWS	Spread 8	2328+49	0.06	Y	Y
Temp ATWS	Spread 8	2329+49	0.06	N	N
Temp ATWS	Spread 8	2331+41	0.06	N	N
Temp ATWS	Spread 8	2337+13	0.05	N	N
Temp ATWS	Spread 8	2338+06	0.06	N	N
Temp ATWS	Spread 8	2346+65	0.06	N	N
Temp ATWS	Spread 8	2347+57	0.06	N	N
Temp ATWS	Spread 8	2356+17	0.02	N	N
Temp ATWS	Spread 8	2357+15	0.06	Y	Y
Temp ATWS	Spread 8	2357+46	0.06	Y	Y
Temp TS	Spread 8	2357+48	0.05	Y	Y
Temp TS	Spread 8	2358+07	0.01	Y	Y
Temp TS	Spread 8	2362+57	0.51	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	2371+29	0.06	Y	Y
Temp ATWS	Spread 8	2371+37	0.06	Y	Y
Temp ATWS	Spread 8	2375+74	0.04	Y	Y
Temp ATWS	Spread 8	2378+11	0.06	Y	Y
Temp TS	Spread 8	2385+65	0.42	N	Y
Temp ATWS	Spread 8	2390+65	0.06	N	Y
Temp ATWS	Spread 8	2391+48	0.06	N	Y
Temp ATWS	Spread 8	2396+48	0.06	N	N
Temp TS	Spread 8	2396+74	0.03	N	N
Temp TS	Spread 8	2397+45	0.05	N	N
Temp ATWS	Spread 8	2398+77	0.06	Y	Y
Temp TS	Spread 8	2403+08	0.28	Y	Y
Temp ATWS	Spread 8	2405+85	0.06	Y	Y
Temp ATWS	Spread 8	2405+86	0.06	Y	Y
Temp TS	Spread 8	2405+86	0.06	Y	Y
Temp ATWS	Spread 8	2407+62	0.06	Y	Y
Temp ATWS	Spread 8	2407+62	0.06	Y	Y
Temp TS	Spread 8	2407+62	0.06	Y	Y
Temp TS	Spread 8	2408+52	0.05	Y	Y
Temp TS	Spread 8	2417+07	0.55	Y	Y
Temp ATWS	Spread 8	2423+93	0.06	Y	Y
Temp ATWS	Spread 8	2424+72	0.06	Y	Y
Temp ATWS	Spread 8	2429+24	0.06	Y	Y
Temp ATWS	Spread 8	2429+86	0.05	Y	Y
Temp ATWS	Spread 8	2430+40	0.06	Y	Y
Temp TS	Spread 8	2432+00	0.06	Y	Y
Temp ATWS	Spread 8	2432+01	0.06	Y	Y
Temp ATWS	Spread 8	2432+05	0.06	Y	Y
Temp TS	Spread 8	2433+24	0.08	Y	Y
Temp TS	Spread 8	2434+31	0.04	Y	Y
Temp ATWS	Spread 8	2434+48	0.06	Y	Y
Temp ATWS	Spread 8	2435+00	0.06	Y	Y
Temp ATWS	Spread 8	2444+85	0.06	N	N
Temp TS	Spread 8	2444+85	0.06	N	N
Temp ATWS	Spread 8	2447+06	0.06	N	N
Temp TS	Spread 8	2447+79	0.29	N	N
Temp TS	Spread 8	2450+98	0.03	N	N
Temp ATWS	Spread 8	2451+13	0.05	N	N
Temp ATWS	Spread 8	2452+61	0.05	N	N
Temp ATWS	Spread 8	2453+14	0.05	N	N
Temp ATWS	Spread 8	2454+56	0.05	N	N
Temp TS	Spread 8	2454+69	0.03	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	246+24	1.57	Y	Y
Temp TS	Spread 8	2460+49	0.66	N	N
Temp TS	Spread 8	2466+92	0.08	N	N
Temp TS	Spread 8	2473+97	0.75	N	N
Temp TS	Spread 8	2480+80	0.04	Y	Y
Temp ATWS	Spread 8	2480+91	0.05	Y	Y
Temp ATWS	Spread 8	2481+66	0.06	Y	Y
Temp ATWS	Spread 8	2483+22	0.05	Y	Y
Temp ATWS	Spread 8	2484+38	0.17	Y	Y
Temp TS	Spread 8	2494+70	0.87	Y	Y
Temp ATWS	Spread 8	2502+81	0.06	Y	Y
Temp ATWS	Spread 8	2503+15	0.06	Y	Y
Temp TS	Spread 8	2503+17	0.06	Y	Y
Temp ATWS	Spread 8	2504+40	0.06	Y	Y
Temp ATWS	Spread 8	2504+76	0.06	Y	Y
Temp TS	Spread 8	2504+79	0.06	Y	Y
Temp TS	Spread 8	2511+99	0.68	Y	Y
Temp ATWS	Spread 8	2520+61	0.06	Y	Y
Temp ATWS	Spread 8	2521+21	0.06	Y	Y
Temp ATWS	Spread 8	2523+65	0.06	Y	Y
Temp ATWS	Spread 8	2523+66	0.06	Y	Y
Temp ATWS	Spread 8	2541+72	0.26	N	N
Temp ATWS	Spread 8	2582+84	0.11	N	N
Temp TS	Spread 8	2582+84	0.11	N	N
Temp TS	Spread 8	2584+94	0.06	N	N
Temp TS	Spread 8	2584+96	0.06	N	N
Temp TS	Spread 8	2589+23	0.09	N	N
Temp ATWS	Spread 8	2589+33	0.20	N	N
Temp ATWS	Spread 8	260+84	0.23	Y	Y
Temp ATWS	Spread 8	2602+81	0.06	N	N
Temp ATWS	Spread 8	2603+15	0.06	N	N
Temp ATWS	Spread 8	2605+49	0.06	N	N
Temp ATWS	Spread 8	2606+02	0.06	N	N
Temp ATWS	Spread 8	2612+53	0.06	N	N
Temp ATWS	Spread 8	2621+84	0.06	N	N
Temp ATWS	Spread 8	2622+72	0.06	Y	Y
Temp ATWS	Spread 8	263+98	0.05	Y	Y
Temp ATWS	Spread 8	2634+55	0.65	Y	Y
Temp ATWS	Spread 8	2635+37	0.06	Y	Y
Temp ATWS	Spread 8	2638+54	0.06	Y	Y
Temp ATWS	Spread 8	2638+57	0.06	Y	Y
Temp ATWS	Spread 8	264+50	0.05	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	2641+34	0.06	Y	Y
Temp ATWS	Spread 8	2641+95	0.06	Y	Y
Temp ATWS	Spread 8	2644+09	0.06	Y	Y
Temp ATWS	Spread 8	2644+14	0.05	Y	Y
Temp TS	Spread 8	2653+00	0.86	Y	Y
Temp ATWS	Spread 8	2660+35	0.01	Y	Y
Temp ATWS	Spread 8	2660+57	0.02	Y	Y
Temp ATWS	Spread 8	2661+00	0.03	Y	Y
Temp ATWS	Spread 8	2661+13	0.06	Y	Y
Temp TS	Spread 8	2661+16	0.06	Y	Y
Temp ATWS	Spread 8	2662+36	0.06	N	Y
Temp ATWS	Spread 8	2662+71	0.06	N	N
Temp TS	Spread 8	2662+74	0.05	N	N
Temp TS	Spread 8	2668+45	0.61	Y	Y
Temp ATWS	Spread 8	267+57	0.13	Y	Y
Temp ATWS	Spread 8	2675+38	0.06	Y	Y
Temp TS	Spread 8	2675+38	0.06	Y	Y
Temp ATWS	Spread 8	2675+40	0.06	Y	Y
Temp ATWS	Spread 8	2676+84	0.04	Y	Y
Temp ATWS	Spread 8	2677+00	0.06	Y	Y
Temp ATWS	Spread 8	268+34	0.17	Y	Y
Temp ATWS	Spread 8	2683+16	0.05	Y	Y
Temp ATWS	Spread 8	2687+74	0.06	N	N
Temp ATWS	Spread 8	2687+83	0.06	N	N
Temp TS	Spread 8	2699+11	0.94	N	N
Temp TS	Spread 8	2708+04	0.08	N	N
Temp ATWS	Spread 8	2708+09	0.18	N	N
Temp ATWS	Spread 8	2708+70	0.20	N	N
Temp ATWS	Spread 8	2714+36	0.05	Y	Y
Temp ATWS	Spread 8	2715+55	0.06	Y	Y
Temp TS	Spread 8	2719+29	0.20	Y	Y
Temp TS	Spread 8	2728+48	0.57	Y	Y
Temp ATWS	Spread 8	2733+93	0.05	Y	Y
Temp ATWS	Spread 8	2734+58	0.22	Y	Y
Temp TS	Spread 8	2734+70	0.13	N	N
Temp ATWS	Spread 8	2735+59	0.05	Y	Y
Temp ATWS	Spread 8	2736+68	0.05	Y	Y
Temp TS	Spread 8	2736+78	0.04	Y	Y
Temp ATWS	Spread 8	274+00	0.06	Y	Y
Temp TS	Spread 8	2740+34	0.49	Y	Y
Temp ATWS	Spread 8	2747+36	0.06	Y	Y
Temp ATWS	Spread 8	2749+71	0.06	Y	Y



**TABLE C-1****Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	275+47	0.06	Y	Y
Temp ATWS	Spread 8	2754+39	0.06	N	N
Temp ATWS	Spread 8	2755+27	0.06	N	N
Temp ATWS	Spread 8	2761+46	0.06	Y	Y
Temp ATWS	Spread 8	2761+73	0.06	Y	Y
Temp TS	Spread 8	2767+73	0.57	N	N
Temp ATWS	Spread 8	2774+16	0.06	Y	Y
Temp ATWS	Spread 8	2775+73	0.06	Y	Y
Temp ATWS	Spread 8	2779+44	0.06	Y	Y
Temp ATWS	Spread 8	2779+85	0.06	Y	Y
Temp TS	Spread 8	2783+84	0.40	Y	Y
Temp TS	Spread 8	2787+81	0.06	Y	Y
Temp ATWS	Spread 8	2787+85	0.06	Y	Y
Temp ATWS	Spread 8	2788+17	0.06	Y	Y
Temp TS	Spread 8	2789+74	0.05	Y	Y
Temp ATWS	Spread 8	2789+74	0.06	Y	Y
Temp ATWS	Spread 8	2789+84	0.06	Y	Y
Temp TS	Spread 8	2791+81	0.18	Y	Y
Temp TS	Spread 8	2794+05	0.04	Y	Y
Temp ATWS	Spread 8	2794+15	0.05	Y	Y
Temp ATWS	Spread 8	2795+27	0.05	N	Y
Temp ATWS	Spread 8	2795+82	0.05	Y	Y
Temp ATWS	Spread 8	2796+94	0.05	Y	Y
Temp TS	Spread 8	2797+05	0.04	Y	Y
Temp TS	Spread 8	2803+48	0.61	Y	Y
Temp TS	Spread 8	2822+26	1.53	N	N
Temp TS	Spread 8	2841+17	0.49	N	N
Temp ATWS	Spread 8	2845+89	0.06	Y	Y
Temp ATWS	Spread 8	2845+93	0.06	Y	Y
Temp ATWS	Spread 8	2850+90	0.06	Y	Y
Temp ATWS	Spread 8	2851+29	0.06	Y	Y
Temp ATWS	Spread 8	2854+99	0.30	N	Y
Temp TS	Spread 8	2855+15	0.17	N	Y
Temp ATWS	Spread 8	2856+09	0.06	Y	Y
Temp ATWS	Spread 8	2857+27	0.06	Y	Y
Temp ATWS	Spread 8	2861+76	0.06	Y	Y
Temp ATWS	Spread 8	2863+22	0.06	Y	Y
Temp ATWS	Spread 8	2864+39	0.06	Y	Y
Temp ATWS	Spread 8	2866+57	0.06	Y	Y
Temp ATWS	Spread 8	2893+28	0.06	N	Y
Temp ATWS	Spread 8	2893+57	0.06	N	Y
Temp TS	Spread 8	2893+58	0.06	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	2897+63	0.41	N	Y
Temp ATWS	Spread 8	2900+82	0.06	N	Y
Temp TS	Spread 8	2901+66	0.05	N	Y
Temp ATWS	Spread 8	2901+68	0.06	N	Y
Temp ATWS	Spread 8	2915+82	0.06	Y	Y
Temp ATWS	Spread 8	2918+26	0.06	Y	Y
Temp TS	Spread 8	2922+66	0.65	N	Y
Temp ATWS	Spread 8	2927+86	0.06	N	Y
Temp ATWS	Spread 8	2928+80	0.06	N	Y
Temp TS	Spread 8	2928+80	0.06	N	Y
Temp TS	Spread 8	2934+47	0.06	Y	Y
Temp ATWS	Spread 8	2934+47	0.06	Y	Y
Temp ATWS	Spread 8	2934+96	0.06	Y	Y
Temp TS	Spread 8	2949+48	1.64	Y	Y
Temp TS	Spread 8	2966+80	0.31	Y	Y
Temp ATWS	Spread 8	2970+00	0.06	Y	Y
Temp TS	Spread 8	2971+23	0.20	Y	Y
Temp TS	Spread 8	2973+46	0.06	N	Y
Temp ATWS	Spread 8	2973+46	0.06	Y	Y
Temp TS	Spread 8	2975+74	0.06	N	Y
Temp ATWS	Spread 8	2975+74	0.06	N	Y
Temp ATWS	Spread 8	2976+38	0.05	Y	Y
Temp TS	Spread 8	2976+53	0.07	N	Y
Temp ATWS	Spread 8	2981+30	0.06	Y	Y
Temp ATWS	Spread 8	2981+96	0.06	Y	Y
Temp ATWS	Spread 8	2989+96	0.06	Y	Y
Temp ATWS	Spread 8	2990+17	0.06	Y	Y
Temp ATWS	Spread 8	2993+73	0.06	Y	Y
Temp ATWS	Spread 8	2995+75	0.06	N	Y
Temp TS	Spread 8	2996+94	0.06	N	Y
Temp ATWS	Spread 8	2996+95	0.06	N	Y
Temp TS	Spread 8	2997+68	0.03	N	Y
Temp TS	Spread 8	2998+92	0.11	N	Y
Temp ATWS	Spread 8	2999+22	0.29	Y	Y
Temp TS	Spread 8	3000+42	0.06	N	Y
Temp ATWS	Spread 8	3030+47	0.30	Y	Y
Temp ATWS	Spread 8	3032+90	0.52	Y	Y
Temp ATWS	Spread 8	3049+55	0.06	N	N
Temp ATWS	Spread 8	3050+82	0.06	N	N
Temp TS	Spread 8	3058+56	0.38	N	N
Temp TS	Spread 8	3067+33	0.78	N	N
Temp ATWS	Spread 8	308+66	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	308+66	0.06	Y	Y
Temp ATWS	Spread 8	308+68	0.06	Y	Y
Temp TS	Spread 8	3082+02	0.84	N	N
Temp TS	Spread 8	3090+56	0.06	N	N
Temp ATWS	Spread 8	3090+57	0.06	N	N
Temp ATWS	Spread 8	3090+71	0.06	N	N
Temp ATWS	Spread 8	3092+06	0.02	Y	Y
Temp ATWS	Spread 8	310+38	0.06	Y	Y
Temp ATWS	Spread 8	3103+53	0.05	Y	Y
Temp ATWS	Spread 8	3104+38	0.26	Y	Y
Temp ATWS	Spread 8	3105+41	0.06	Y	Y
Temp ATWS	Spread 8	3114+27	0.06	Y	Y
Temp ATWS	Spread 8	3120+89	0.06	Y	Y
Temp TS	Spread 8	3133+48	0.08	N	N
Temp ATWS	Spread 8	3134+71	0.06	Y	Y
Temp ATWS	Spread 8	3135+34	0.23	Y	Y
Temp TS	Spread 8	3135+38	0.11	Y	Y
Temp TS	Spread 8	3136+91	0.07	Y	Y
Temp ATWS	Spread 8	3137+25	0.06	Y	Y
Temp ATWS	Spread 8	3137+98	0.06	Y	Y
Temp ATWS	Spread 8	3139+90	0.06	Y	Y
Temp ATWS	Spread 8	3140+15	0.06	Y	Y
Temp TS	Spread 8	3140+17	0.05	Y	Y
Temp TS	Spread 8	3143+21	0.29	Y	Y
Temp ATWS	Spread 8	3146+80	0.06	Y	Y
Temp TS	Spread 8	315+89	0.46	Y	Y
Temp ATWS	Spread 8	3150+10	0.06	Y	Y
Temp ATWS	Spread 8	3151+56	0.09	Y	Y
Temp ATWS	Spread 8	3154+86	0.06	Y	Y
Temp ATWS	Spread 8	3155+58	0.06	Y	Y
Temp ATWS	Spread 8	3162+45	0.09	Y	Y
Temp ATWS	Spread 8	3162+45	0.43	Y	Y
Temp TS	Spread 8	3181+37	0.22	Y	Y
Temp TS	Spread 8	3184+85	0.14	Y	Y
Temp TS	Spread 8	3187+73	0.16	Y	Y
Temp ATWS	Spread 8	3191+44	0.91	Y	Y
Temp TS	Spread 8	3198+02	0.32	Y	Y
Temp ATWS	Spread 8	3201+05	0.24	Y	Y
Temp TS	Spread 8	3201+36	0.05	Y	Y
Temp ATWS	Spread 8	3201+37	0.06	Y	Y
Temp ATWS	Spread 8	3203+02	0.06	Y	Y
Temp ATWS	Spread 8	3203+15	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	3203+16	0.05	Y	Y
Temp TS	Spread 8	3211+26	0.87	Y	Y
Temp TS	Spread 8	3218+29	0.14	Y	Y
Temp ATWS	Spread 8	3219+27	0.04	Y	Y
Temp TS	Spread 8	3221+06	0.07	Y	Y
Temp ATWS	Spread 8	3221+19	0.06	Y	Y
Temp ATWS	Spread 8	3221+28	0.04	Y	Y
Temp TS	Spread 8	3222+04	0.04	Y	Y
Temp ATWS	Spread 8	3223+64	0.05	N	Y
Temp ATWS	Spread 8	3224+21	0.06	Y	Y
Temp TS	Spread 8	3224+51	0.02	Y	Y
Temp TS	Spread 8	3226+31	0.18	Y	Y
Temp ATWS	Spread 8	3227+57	0.05	Y	Y
Temp ATWS	Spread 8	3228+38	0.05	Y	Y
Temp TS	Spread 8	3228+46	0.06	Y	Y
Temp ATWS	Spread 8	3229+15	0.05	Y	Y
Temp ATWS	Spread 8	3229+98	0.05	Y	Y
Temp TS	Spread 8	3230+05	0.04	Y	Y
Temp ATWS	Spread 8	3248+19	0.06	Y	Y
Temp ATWS	Spread 8	3249+16	0.17	Y	Y
Temp TS	Spread 8	3249+17	0.17	Y	Y
Temp TS	Spread 8	3253+39	0.28	Y	Y
Temp ATWS	Spread 8	3255+76	0.13	Y	Y
Temp TS	Spread 8	3255+82	0.07	Y	Y
Temp ATWS	Spread 8	3257+30	0.14	Y	Y
Temp TS	Spread 8	3257+34	0.07	Y	Y
Temp TS	Spread 8	3261+49	0.41	Y	Y
Temp ATWS	Spread 8	3264+77	0.06	Y	Y
Temp TS	Spread 8	3265+53	0.06	Y	Y
Temp ATWS	Spread 8	3265+53	0.06	Y	Y
Temp TS	Spread 8	3266+11	0.01	Y	Y
Temp ATWS	Spread 8	3272+05	0.06	Y	Y
Temp ATWS	Spread 8	3272+16	0.06	Y	Y
Temp TS	Spread 8	3279+06	0.58	Y	Y
Temp TS	Spread 8	328+24	0.89	Y	Y
Temp ATWS	Spread 8	3284+27	0.05	Y	Y
Temp ATWS	Spread 8	3284+50	0.07	Y	Y
Temp TS	Spread 8	3284+52	0.06	Y	Y
Temp ATWS	Spread 8	3285+75	0.06	N	N
Temp TS	Spread 8	3286+27	0.12	N	N
Temp ATWS	Spread 8	3286+30	0.12	N	N
Temp TS	Spread 8	3289+02	0.20	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	3291+22	0.06	N	N
Temp TS	Spread 8	3291+22	0.06	N	N
Temp TS	Spread 8	339+15	0.24	Y	Y
Temp ATWS	Spread 8	341+69	0.06	Y	Y
Temp TS	Spread 8	341+74	0.06	Y	Y
Temp ATWS	Spread 8	343+92	0.06	Y	Y
Temp ATWS	Spread 8	343+97	0.06	Y	Y
Temp TS	Spread 8	343+97	0.06	Y	Y
Temp ATWS	Spread 8	345+96	0.06	Y	Y
Temp ATWS	Spread 8	346+01	0.06	Y	Y
Temp TS	Spread 8	346+01	0.06	Y	Y
Temp TS	Spread 8	349+86	0.18	Y	Y
Temp TS	Spread 8	356+32	0.53	Y	Y
Temp ATWS	Spread 8	36+20	0.06	Y	Y
Temp ATWS	Spread 8	36+66	0.06	Y	Y
Temp TS	Spread 8	364+48	0.17	Y	Y
Temp TS	Spread 8	371+84	0.55	Y	Y
Temp ATWS	Spread 8	385+91	0.06	Y	Y
Temp ATWS	Spread 8	386+16	0.06	Y	Y
Temp ATWS	Spread 8	387+50	0.06	Y	Y
Temp ATWS	Spread 8	387+75	0.06	Y	Y
Temp ATWS	Spread 8	39+40	0.06	Y	Y
Temp ATWS	Spread 8	39+71	0.06	Y	Y
Temp TS	Spread 8	395+83	0.79	Y	Y
Temp TS	Spread 8	403+50	0.05	Y	Y
Temp ATWS	Spread 8	403+73	0.15	Y	Y
Temp ATWS	Spread 8	405+42	0.05	Y	Y
Temp ATWS	Spread 8	405+87	0.05	Y	Y
Temp TS	Spread 8	405+91	0.05	Y	Y
Temp TS	Spread 8	411+98	0.62	Y	Y
Temp ATWS	Spread 8	424+73	0.06	Y	Y
Temp ATWS	Spread 8	425+39	0.06	Y	Y
Temp ATWS	Spread 8	427+71	0.06	Y	Y
Temp ATWS	Spread 8	428+63	0.06	Y	Y
Temp TS	Spread 8	429+07	0.02	Y	Y
Temp TS	Spread 8	429+69	0.05	Y	Y
Temp ATWS	Spread 8	429+73	0.06	Y	Y
Temp ATWS	Spread 8	430+05	0.06	Y	Y
Temp ATWS	Spread 8	431+53	0.06	Y	Y
Temp TS	Spread 8	431+54	0.06	Y	Y
Temp ATWS	Spread 8	431+76	0.05	Y	Y
Temp TS	Spread 8	434+94	0.35	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	435+18	1.87	Y	Y
Temp ATWS	Spread 8	435+53	3.25	Y	Y
Temp ATWS	Spread 8	438+49	0.06	Y	Y
Temp ATWS	Spread 8	438+50	0.06	Y	Y
Temp TS	Spread 8	438+50	0.06	Y	Y
Temp ATWS	Spread 8	440+48	0.06	Y	Y
Temp TS	Spread 8	440+51	0.06	Y	Y
Temp ATWS	Spread 8	440+51	0.06	Y	Y
Temp TS	Spread 8	443+56	0.28	Y	Y
Temp ATWS	Spread 8	448+85	0.06	Y	Y
Temp ATWS	Spread 8	451+70	0.06	Y	Y
Temp ATWS	Spread 8	455+45	0.06	Y	Y
Temp ATWS	Spread 8	455+56	0.06	Y	Y
Temp TS	Spread 8	460+36	0.40	Y	Y
Temp ATWS	Spread 8	468+84	0.05	Y	Y
Temp ATWS	Spread 8	469+16	0.06	Y	Y
Temp ATWS	Spread 8	471+64	0.05	Y	Y
Temp ATWS	Spread 8	473+24	0.06	Y	Y
Temp ATWS	Spread 8	48+08	0.06	Y	Y
Temp ATWS	Spread 8	48+88	0.06	Y	Y
Temp TS	Spread 8	487+23	0.41	Y	Y
Temp TS	Spread 8	491+76	0.11	Y	Y
Temp ATWS	Spread 8	493+71	0.11	Y	Y
Temp TS	Spread 8	496+44	0.20	Y	Y
Temp ATWS	Spread 8	508+35	0.06	Y	Y
Temp ATWS	Spread 8	510+09	0.06	Y	Y
Temp ATWS	Spread 8	512+53	0.06	Y	Y
Temp ATWS	Spread 8	512+60	0.06	Y	Y
Temp ATWS	Spread 8	517+36	0.01	Y	Y
Temp ATWS	Spread 8	518+50	0.44	Y	Y
Temp ATWS	Spread 8	518+76	0.06	Y	Y
Temp ATWS	Spread 8	534+65	0.15	Y	Y
Temp ATWS	Spread 8	535+99	0.16	Y	Y
Temp ATWS	Spread 8	538+08	0.06	Y	Y
Temp ATWS	Spread 8	54+56	0.06	Y	Y
Temp ATWS	Spread 8	541+40	0.03	Y	Y
Temp ATWS	Spread 8	541+41	0.06	Y	Y
Temp ATWS	Spread 8	547+58	0.41	N	Y
Temp TS	Spread 8	549+28	0.84	Y	Y
Temp ATWS	Spread 8	55+54	0.05	Y	Y
Temp ATWS	Spread 8	56+47	0.06	Y	Y
Temp ATWS	Spread 8	56+68	0.05	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 8	562+66	0.48	N	Y
Temp ATWS	Spread 8	569+72	0.06	Y	Y
Temp ATWS	Spread 8	570+16	0.06	Y	Y
Temp ATWS	Spread 8	573+57	0.06	Y	Y
Temp ATWS	Spread 8	573+57	0.06	Y	Y
Temp TS	Spread 8	580+40	0.30	N	Y
Temp TS	Spread 8	584+35	0.12	N	Y
Temp ATWS	Spread 8	584+36	0.23	N	Y
Temp TS	Spread 8	587+93	0.29	N	Y
Temp ATWS	Spread 8	60+06	0.06	Y	Y
Temp ATWS	Spread 8	60+25	0.06	Y	Y
Temp ATWS	Spread 8	603+38	0.04	Y	Y
Temp ATWS	Spread 8	604+06	0.06	Y	Y
Temp ATWS	Spread 8	606+89	0.10	Y	Y
Temp ATWS	Spread 8	608+27	0.10	Y	Y
Temp ATWS	Spread 8	610+46	0.06	Y	Y
Temp ATWS	Spread 8	612+98	0.06	Y	Y
Temp ATWS	Spread 8	618+76	0.06	Y	Y
Temp ATWS	Spread 8	619+52	0.06	Y	Y
Temp ATWS	Spread 8	62+81	0.06	Y	Y
Temp ATWS	Spread 8	621+58	0.05	Y	Y
Temp ATWS	Spread 8	622+58	0.07	Y	Y
Temp ATWS	Spread 8	624+67	0.06	Y	Y
Temp ATWS	Spread 8	626+05	0.06	Y	Y
Temp ATWS	Spread 8	627+58	0.10	Y	Y
Temp ATWS	Spread 8	629+54	0.06	Y	Y
Temp ATWS	Spread 8	63+09	0.06	Y	Y
Temp ATWS	Spread 8	631+35	0.12	Y	Y
Temp ATWS	Spread 8	636+24	0.06	Y	Y
Temp ATWS	Spread 8	640+59	0.06	Y	Y
Temp ATWS	Spread 8	657+93	0.06	Y	Y
Temp ATWS	Spread 8	658+49	0.06	Y	Y
Temp ATWS	Spread 8	660+87	0.06	Y	Y
Temp ATWS	Spread 8	662+42	0.06	Y	Y
Temp TS	Spread 8	663+66	0.06	Y	Y
Temp ATWS	Spread 8	663+67	0.06	Y	Y
Temp ATWS	Spread 8	665+14	0.06	Y	Y
Temp TS	Spread 8	668+55	0.57	Y	Y
Temp TS	Spread 8	675+81	0.25	Y	Y
Temp ATWS	Spread 8	676+00	0.06	Y	Y
Temp TS	Spread 8	678+45	0.06	Y	Y
Temp ATWS	Spread 8	678+45	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	68+21	0.06	Y	Y
Temp TS	Spread 8	681+07	0.06	Y	Y
Temp ATWS	Spread 8	681+07	0.06	Y	Y
Temp TS	Spread 8	682+76	0.18	Y	Y
Temp ATWS	Spread 8	683+34	0.06	Y	Y
Temp ATWS	Spread 8	69+66	0.06	Y	Y
Temp TS	Spread 8	692+73	0.92	Y	Y
Temp ATWS	Spread 8	70+38	0.06	Y	Y
Temp ATWS	Spread 8	701+22	0.06	Y	Y
Temp TS	Spread 8	701+24	0.06	Y	Y
Temp TS	Spread 8	701+40	0.01	Y	Y
Temp ATWS	Spread 8	702+28	0.06	N	N
Temp ATWS	Spread 8	708+64	0.06	Y	Y
Temp ATWS	Spread 8	71+00	0.06	Y	Y
Temp TS	Spread 8	712+03	0.33	Y	Y
Temp ATWS	Spread 8	720+18	0.52	Y	Y
Temp ATWS	Spread 8	721+94	0.06	Y	Y
Temp ATWS	Spread 8	722+29	0.06	Y	Y
Temp ATWS	Spread 8	723+84	0.06	Y	Y
Temp ATWS	Spread 8	723+85	0.06	Y	Y
Temp ATWS	Spread 8	725+42	0.06	Y	Y
Temp ATWS	Spread 8	725+46	0.06	Y	Y
Temp TS	Spread 8	725+46	0.06	Y	Y
Temp TS	Spread 8	726+11	0.02	Y	Y
Temp ATWS	Spread 8	730+09	0.05	Y	Y
Temp ATWS	Spread 8	733+94	0.06	Y	Y
Temp ATWS	Spread 8	734+65	0.06	Y	Y
Temp TS	Spread 8	740+39	0.60	Y	Y
Temp TS	Spread 8	745+98	0.04	Y	Y
Temp ATWS	Spread 8	746+14	0.06	Y	Y
Temp ATWS	Spread 8	747+14	0.06	Y	Y
Temp ATWS	Spread 8	751+02	0.07	Y	Y
Temp ATWS	Spread 8	751+31	0.06	Y	Y
Temp ATWS	Spread 8	757+18	0.06	Y	Y
Temp ATWS	Spread 8	758+58	0.06	Y	Y
Temp ATWS	Spread 8	761+34	0.06	Y	Y
Temp TS	Spread 8	766+40	0.93	Y	Y
Temp ATWS	Spread 8	775+25	0.08	Y	Y
Temp TS	Spread 8	776+01	0.06	Y	Y
Temp ATWS	Spread 8	776+01	0.06	Y	Y
Temp ATWS	Spread 8	778+27	0.06	Y	Y
Temp ATWS	Spread 8	779+18	0.00	Y	Y



**TABLE C-1****Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	779+50	0.06	Y	Y
Temp TS	Spread 8	783+66	0.50	Y	Y
Temp TS	Spread 8	798+62	0.11	N	N
Temp ATWS	Spread 8	798+62	0.23	Y	Y
Temp TS	Spread 8	801+65	0.23	Y	Y
Temp ATWS	Spread 8	805+66	0.03	Y	Y
Temp ATWS	Spread 8	806+08	0.05	Y	Y
Temp ATWS	Spread 8	809+70	0.15	Y	Y
Temp ATWS	Spread 8	811+88	1.00	Y	Y
Temp TS	Spread 8	818+67	0.14	Y	Y
Temp ATWS	Spread 8	828+93	0.06	Y	Y
Temp ATWS	Spread 8	83+55	0.06	Y	Y
Temp ATWS	Spread 8	83+98	0.08	Y	Y
Temp ATWS	Spread 8	830+36	0.06	Y	Y
Temp ATWS	Spread 8	832+76	0.06	Y	Y
Temp ATWS	Spread 8	836+16	0.06	Y	Y
Temp ATWS	Spread 8	836+66	0.06	Y	Y
Temp ATWS	Spread 8	839+75	0.06	Y	Y
Temp ATWS	Spread 8	840+38	0.06	Y	Y
Temp ATWS	Spread 8	846+44	0.06	Y	Y
Temp ATWS	Spread 8	848+58	0.06	Y	Y
Temp ATWS	Spread 8	85+12	0.06	Y	Y
Temp ATWS	Spread 8	850+21	0.06	Y	Y
Temp ATWS	Spread 8	851+11	0.06	Y	Y
Temp ATWS	Spread 8	856+38	0.06	Y	Y
Temp ATWS	Spread 8	856+88	0.06	Y	Y
Temp ATWS	Spread 8	859+29	0.06	Y	Y
Temp ATWS	Spread 8	860+22	0.06	Y	Y
Temp ATWS	Spread 8	869+65	0.05	Y	Y
Temp ATWS	Spread 8	87+86	0.06	Y	Y
Temp ATWS	Spread 8	870+75	0.06	Y	Y
Temp ATWS	Spread 8	877+59	0.05	Y	Y
Temp ATWS	Spread 8	878+07	0.05	Y	Y
Temp ATWS	Spread 8	879+14	0.05	Y	Y
Temp ATWS	Spread 8	880+05	0.04	Y	Y
Temp TS	Spread 8	882+82	0.30	Y	Y
Temp ATWS	Spread 8	886+50	0.05	N	N
Temp TS	Spread 8	886+53	0.05	N	N
Temp ATWS	Spread 8	886+62	0.06	N	N
Temp ATWS	Spread 8	888+21	0.06	Y	Y
Temp ATWS	Spread 8	90+42	0.06	Y	Y
Temp ATWS	Spread 8	91+56	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 8	916+08	0.05	Y	Y
Temp TS	Spread 8	927+51	0.36	N	N
Temp ATWS	Spread 8	939+18	0.06	N	N
Temp ATWS	Spread 8	947+71	0.03	Y	Y
Temp ATWS	Spread 8	948+66	0.06	Y	Y
Temp ATWS	Spread 8	95+50	0.06	Y	Y
Temp ATWS	Spread 8	956+42	0.05	Y	Y
Temp ATWS	Spread 8	956+56	0.06	Y	Y
Temp TS	Spread 8	956+56	0.06	Y	Y
Temp TS	Spread 8	958+63	0.18	Y	Y
Temp TS	Spread 8	960+69	0.06	Y	Y
Temp ATWS	Spread 8	960+69	0.06	Y	Y
Temp ATWS	Spread 8	962+65	0.06	Y	Y
Temp ATWS	Spread 8	971+28	0.06	Y	Y
Temp ATWS	Spread 8	971+57	0.06	Y	Y
Temp TS	Spread 8	975+76	0.28	Y	Y
Temp ATWS	Spread 8	982+87	0.06	Y	Y
Temp ATWS	Spread 8	983+65	0.05	Y	Y
Temp ATWS	Spread 8	985+10	0.02	Y	Y
Temp TS	Spread 8	986+92	0.02	Y	Y
Temp ATWS	Spread 8	987+56	0.06	Y	Y
Temp ATWS	Spread 8	987+57	0.06	Y	Y
Temp TS	Spread 8	987+57	0.06	Y	Y
Temp TS	Spread 8	995+13	0.81	Y	Y
Temp ATWS	Spread 9	3292+78	0.06	N	N
Temp ATWS	Spread 9	3297+65	0.06	N	N
Temp ATWS	Spread 9	3302+55	0.06	N	N
Temp ATWS	Spread 9	3304+00	0.06	N	N
Temp TS	Spread 9	3304+01	0.06	N	N
Temp ATWS	Spread 9	3304+83	0.06	N	N
Temp TS	Spread 9	3309+29	0.55	N	N
Temp ATWS	Spread 9	3314+27	0.06	N	N
Temp TS	Spread 9	3314+30	0.06	N	N
Temp ATWS	Spread 9	3315+47	0.05	N	N
Temp ATWS	Spread 9	3316+39	0.22	N	N
Temp TS	Spread 9	3316+45	0.11	N	N
Temp TS	Spread 9	3318+39	0.12	N	N
Temp TS	Spread 9	3319+91	0.05	N	N
Temp ATWS	Spread 9	3319+97	0.06	N	N
Temp ATWS	Spread 9	3320+62	0.06	N	N
Temp ATWS	Spread 9	3330+78	0.06	N	N
Temp TS	Spread 9	3330+78	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3331+85	0.06	N	N
Temp TS	Spread 9	3332+72	0.17	N	N
Temp ATWS	Spread 9	3334+56	0.05	N	N
Temp TS	Spread 9	3334+58	0.05	N	N
Temp ATWS	Spread 9	3335+07	0.03	N	N
Temp TS	Spread 9	3338+16	0.28	N	N
Temp TS	Spread 9	3340+67	0.06	N	N
Temp ATWS	Spread 9	3340+67	0.06	N	N
Temp TS	Spread 9	3347+01	0.06	N	N
Temp ATWS	Spread 9	3347+10	0.05	N	N
Temp TS	Spread 9	3347+68	0.03	N	N
Temp ATWS	Spread 9	3356+65	0.06	N	N
Temp ATWS	Spread 9	3358+16	0.17	N	N
Temp ATWS	Spread 9	3358+44	0.00	N	N
Temp TS	Spread 9	3359+90	0.07	N	N
Temp ATWS	Spread 9	3360+02	0.06	N	N
Temp TS	Spread 9	3365+49	0.45	N	N
Temp TS	Spread 9	3371+55	0.26	N	N
Temp TS	Spread 9	3374+39	0.06	N	N
Temp ATWS	Spread 9	3374+39	0.06	N	N
Temp ATWS	Spread 9	3374+78	0.06	N	N
Temp ATWS	Spread 9	3378+58	0.06	N	N
Temp ATWS	Spread 9	3379+54	0.06	N	N
Temp ATWS	Spread 9	3379+57	0.06	N	N
Temp TS	Spread 9	3379+57	0.06	N	N
Temp TS	Spread 9	3381+80	0.20	N	N
Temp TS	Spread 9	3383+95	0.05	N	N
Temp ATWS	Spread 9	3384+02	0.06	N	N
Temp ATWS	Spread 9	3384+60	0.06	N	N
Temp ATWS	Spread 9	3386+32	0.06	N	N
Temp ATWS	Spread 9	3386+54	0.05	N	N
Temp TS	Spread 9	3388+75	0.26	N	N
Temp ATWS	Spread 9	3390+80	0.06	N	N
Temp ATWS	Spread 9	3391+56	0.06	N	N
Temp TS	Spread 9	3391+63	0.07	N	N
Temp ATWS	Spread 9	3392+58	0.06	N	N
Temp ATWS	Spread 9	3393+43	0.05	N	N
Temp TS	Spread 9	3393+54	0.04	N	N
Temp TS	Spread 9	3401+44	0.88	N	N
Temp TS	Spread 9	3409+26	0.05	N	N
Temp ATWS	Spread 9	3409+33	0.05	N	N
Temp ATWS	Spread 9	3410+21	0.02	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	3410+87	0.06	N	N
Temp ATWS	Spread 9	3410+93	0.05	N	N
Temp ATWS	Spread 9	3411+54	0.05	N	N
Temp ATWS	Spread 9	3424+87	0.16	N	N
Temp ATWS	Spread 9	3426+12	0.04	N	N
Temp TS	Spread 9	3427+27	1.43	N	N
Temp ATWS	Spread 9	3427+38	0.23	N	N
Temp ATWS	Spread 9	3436+24	0.06	N	N
Temp ATWS	Spread 9	3437+06	0.06	N	N
Temp TS	Spread 9	3437+06	0.06	N	N
Temp ATWS	Spread 9	3438+55	0.06	N	N
Temp ATWS	Spread 9	3439+39	0.06	N	N
Temp TS	Spread 9	3439+47	0.05	N	N
Temp TS	Spread 9	3440+69	0.09	N	N
Temp ATWS	Spread 9	3441+99	0.06	N	N
Temp ATWS	Spread 9	3442+35	0.14	N	N
Temp ATWS	Spread 9	3466+70	0.06	N	N
Temp ATWS	Spread 9	3466+97	0.06	N	N
Temp TS	Spread 9	3470+50	0.15	N	N
Temp ATWS	Spread 9	3471+18	0.23	N	N
Temp ATWS	Spread 9	3471+76	0.05	N	N
Temp TS	Spread 9	3471+77	0.05	N	N
Temp TS	Spread 9	3474+20	0.06	N	N
Temp ATWS	Spread 9	3474+20	0.06	N	N
Temp ATWS	Spread 9	3474+30	0.06	N	N
Temp TS	Spread 9	3476+31	0.19	N	N
Temp ATWS	Spread 9	3478+10	0.06	N	N
Temp TS	Spread 9	3478+23	0.03	N	N
Temp ATWS	Spread 9	3478+41	0.06	N	N
Temp ATWS	Spread 9	3484+44	0.06	N	N
Temp TS	Spread 9	3484+76	0.02	N	N
Temp TS	Spread 9	3486+10	0.13	N	N
Temp ATWS	Spread 9	3490+32	0.06	N	N
Temp TS	Spread 9	3492+52	0.13	N	N
Temp ATWS	Spread 9	3494+14	0.06	N	N
Temp TS	Spread 9	3494+14	0.06	N	N
Temp ATWS	Spread 9	3494+23	0.06	N	N
Temp TS	Spread 9	3496+17	0.06	N	N
Temp ATWS	Spread 9	3496+17	0.06	N	N
Temp ATWS	Spread 9	3496+25	0.06	N	N
Temp TS	Spread 9	3498+34	0.19	N	N
Temp ATWS	Spread 9	3500+19	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3500+56	0.06	N	N
Temp TS	Spread 9	3500+58	0.07	N	N
Temp TS	Spread 9	3501+78	0.06	N	N
Temp ATWS	Spread 9	3501+80	0.06	N	N
Temp ATWS	Spread 9	3502+04	0.06	N	N
Temp TS	Spread 9	3507+97	0.66	N	N
Temp ATWS	Spread 9	3513+74	0.06	N	N
Temp TS	Spread 9	3514+75	0.09	N	N
Temp ATWS	Spread 9	3514+86	0.20	N	N
Temp ATWS	Spread 9	3521+69	0.06	N	N
Temp ATWS	Spread 9	3522+94	0.15	N	N
Temp TS	Spread 9	3523+99	0.06	N	N
Temp ATWS	Spread 9	3525+53	0.23	N	N
Temp TS	Spread 9	3525+53	0.11	N	N
Temp TS	Spread 9	3528+65	0.25	N	N
Temp ATWS	Spread 9	3531+36	0.06	N	N
Temp TS	Spread 9	3531+36	0.06	N	N
Temp ATWS	Spread 9	3532+43	0.06	N	N
Temp TS	Spread 9	3533+63	0.06	N	N
Temp ATWS	Spread 9	3533+63	0.06	N	N
Temp TS	Spread 9	3534+72	0.07	N	N
Temp TS	Spread 9	3536+18	0.10	N	N
Temp ATWS	Spread 9	3536+33	0.23	N	N
Temp ATWS	Spread 9	3537+32	0.52	N	N
Temp ATWS	Spread 9	3544+86	0.06	N	N
Temp ATWS	Spread 9	3545+82	0.33	N	N
Temp TS	Spread 9	3545+92	0.18	N	N
Temp ATWS	Spread 9	3546+09	0.05	N	N
Temp ATWS	Spread 9	3548+13	0.03	N	N
Temp ATWS	Spread 9	3553+42	0.10	N	N
Temp ATWS	Spread 9	3569+13	0.23	N	N
Temp TS	Spread 9	3584+36	0.99	N	N
Temp ATWS	Spread 9	3589+70	0.06	N	N
Temp ATWS	Spread 9	3596+21	0.23	N	N
Temp ATWS	Spread 9	3597+03	0.06	N	N
Temp TS	Spread 9	3597+05	0.06	N	N
Temp TS	Spread 9	3599+48	0.01	N	N
Temp ATWS	Spread 9	3600+00	0.06	N	N
Temp ATWS	Spread 9	3600+62	0.21	N	N
Temp TS	Spread 9	3600+84	0.08	N	N
Temp TS	Spread 9	3604+48	0.24	N	N
Temp TS	Spread 9	3606+51	0.05	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3606+58	0.06	N	N
Temp ATWS	Spread 9	3606+76	0.06	N	N
Temp TS	Spread 9	3613+67	0.03	N	N
Temp TS	Spread 9	3614+42	0.06	N	N
Temp ATWS	Spread 9	3614+42	0.06	N	N
Temp ATWS	Spread 9	3614+58	0.06	N	N
Temp TS	Spread 9	3616+77	0.21	N	N
Temp ATWS	Spread 9	3619+78	0.06	N	N
Temp ATWS	Spread 9	3620+36	0.06	N	N
Temp ATWS	Spread 9	3624+60	0.05	N	N
Temp ATWS	Spread 9	3624+75	0.06	N	N
Temp TS	Spread 9	3624+81	0.05	N	N
Temp TS	Spread 9	3629+55	0.49	N	N
Temp ATWS	Spread 9	3633+85	0.06	N	N
Temp TS	Spread 9	3634+27	0.05	N	N
Temp ATWS	Spread 9	3634+34	0.06	N	N
Temp ATWS	Spread 9	3635+45	0.05	N	N
Temp ATWS	Spread 9	3636+05	0.05	N	N
Temp ATWS	Spread 9	3637+29	0.06	N	N
Temp ATWS	Spread 9	3637+30	0.06	N	N
Temp ATWS	Spread 9	3639+76	0.05	N	N
Temp ATWS	Spread 9	3640+83	0.06	N	N
Temp TS	Spread 9	3640+90	0.05	N	N
Temp TS	Spread 9	3647+19	0.67	N	N
Temp TS	Spread 9	3664+67	0.69	N	N
Temp ATWS	Spread 9	3675+81	0.06	N	N
Temp TS	Spread 9	3675+94	0.38	N	N
Temp ATWS	Spread 9	3679+73	0.06	N	N
Temp TS	Spread 9	3679+73	0.06	N	N
Temp TS	Spread 9	3683+25	0.03	N	N
Temp TS	Spread 9	3684+62	0.06	N	N
Temp ATWS	Spread 9	3684+67	0.06	N	N
Temp ATWS	Spread 9	3685+23	0.05	N	N
Temp TS	Spread 9	3686+37	0.14	N	N
Temp ATWS	Spread 9	3688+06	0.06	N	N
Temp TS	Spread 9	3688+06	0.06	N	N
Temp ATWS	Spread 9	3688+11	0.05	N	N
Temp ATWS	Spread 9	3693+43	0.06	N	N
Temp TS	Spread 9	3693+43	0.06	N	N
Temp ATWS	Spread 9	3694+00	0.06	N	N
Temp TS	Spread 9	3695+21	0.15	N	N
Temp ATWS	Spread 9	3696+58	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3697+00	0.06	N	N
Temp TS	Spread 9	3697+03	0.06	N	N
Temp ATWS	Spread 9	3698+22	0.06	N	N
Temp ATWS	Spread 9	3698+64	0.06	N	N
Temp TS	Spread 9	3698+68	0.05	N	N
Temp TS	Spread 9	3699+32	0.02	N	N
Temp ATWS	Spread 9	3699+93	0.06	N	N
Temp TS	Spread 9	3699+99	0.06	N	N
Temp ATWS	Spread 9	3699+99	0.06	N	N
Temp TS	Spread 9	3702+00	0.06	N	N
Temp ATWS	Spread 9	3702+00	0.06	N	N
Temp ATWS	Spread 9	3702+01	0.06	N	N
Temp TS	Spread 9	3705+64	0.36	N	N
Temp ATWS	Spread 9	3708+87	0.06	N	N
Temp ATWS	Spread 9	3708+98	0.05	N	N
Temp ATWS	Spread 9	3714+10	0.04	N	N
Temp ATWS	Spread 9	3714+36	0.04	N	N
Temp ATWS	Spread 9	3715+59	0.05	N	N
Temp ATWS	Spread 9	3715+79	0.06	N	N
Temp TS	Spread 9	3715+80	0.06	N	N
Temp TS	Spread 9	3718+15	0.21	N	N
Temp ATWS	Spread 9	3720+36	0.06	N	N
Temp ATWS	Spread 9	3721+26	0.06	N	N
Temp TS	Spread 9	3721+31	0.05	N	N
Temp ATWS	Spread 9	3727+00	0.06	N	N
Temp ATWS	Spread 9	3728+39	0.06	N	N
Temp TS	Spread 9	3728+56	0.04	N	N
Temp TS	Spread 9	3734+79	0.68	N	N
Temp ATWS	Spread 9	3740+75	0.06	N	N
Temp ATWS	Spread 9	3741+23	0.06	N	N
Temp TS	Spread 9	3741+23	0.06	N	N
Temp ATWS	Spread 9	3748+79	0.06	N	N
Temp ATWS	Spread 9	3749+49	0.06	N	N
Temp ATWS	Spread 9	3751+42	0.06	N	N
Temp ATWS	Spread 9	3752+27	0.06	N	N
Temp TS	Spread 9	3756+26	0.06	N	N
Temp ATWS	Spread 9	3756+26	0.06	N	N
Temp ATWS	Spread 9	3757+66	0.06	N	N
Temp TS	Spread 9	3767+35	0.84	N	N
Temp ATWS	Spread 9	3771+36	0.18	N	N
Temp ATWS	Spread 9	3771+83	0.06	N	N
Temp TS	Spread 9	3771+83	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3785+85	0.06	N	N
Temp TS	Spread 9	3786+98	0.10	N	N
Temp ATWS	Spread 9	3786+99	0.28	N	N
Temp TS	Spread 9	3788+18	0.06	N	N
Temp ATWS	Spread 9	3788+48	0.06	N	N
Temp TS	Spread 9	3789+79	0.06	N	N
Temp ATWS	Spread 9	3789+79	0.06	N	N
Temp ATWS	Spread 9	3790+08	0.06	N	N
Temp TS	Spread 9	3793+72	0.39	N	N
Temp ATWS	Spread 9	3797+02	0.06	N	N
Temp ATWS	Spread 9	3797+68	0.06	N	N
Temp ATWS	Spread 9	3806+49	0.06	N	N
Temp ATWS	Spread 9	3806+50	0.06	N	N
Temp TS	Spread 9	3809+17	0.25	N	N
Temp ATWS	Spread 9	3812+95	0.14	N	N
Temp ATWS	Spread 9	3813+09	0.06	N	N
Temp ATWS	Spread 9	3814+61	0.05	N	N
Temp ATWS	Spread 9	3814+66	0.05	N	N
Temp ATWS	Spread 9	3818+22	0.06	N	N
Temp ATWS	Spread 9	3819+20	0.02	N	N
Temp TS	Spread 9	3831+99	0.76	N	N
Temp ATWS	Spread 9	3850+33	0.06	N	N
Temp TS	Spread 9	3851+28	0.03	N	N
Temp TS	Spread 9	3852+04	0.05	N	N
Temp ATWS	Spread 9	3852+05	0.05	N	N
Temp ATWS	Spread 9	3853+62	0.06	N	N
Temp ATWS	Spread 9	3857+96	0.06	N	N
Temp ATWS	Spread 9	3858+14	0.06	N	N
Temp TS	Spread 9	3862+50	0.17	N	N
Temp ATWS	Spread 9	3865+97	0.06	N	N
Temp TS	Spread 9	3870+44	0.05	N	N
Temp ATWS	Spread 9	3870+91	0.11	N	N
Temp TS	Spread 9	3871+35	0.06	N	N
Temp ATWS	Spread 9	3871+37	0.06	N	N
Temp TS	Spread 9	3872+99	0.06	N	N
Temp ATWS	Spread 9	3872+99	0.06	N	N
Temp ATWS	Spread 9	3873+33	0.17	N	N
Temp TS	Spread 9	3878+06	0.52	N	N
Temp ATWS	Spread 9	3887+23	0.06	N	N
Temp ATWS	Spread 9	3887+26	0.06	N	N
Temp ATWS	Spread 9	3894+27	0.06	N	N
Temp ATWS	Spread 9	3896+69	0.06	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	3904+95	0.24	N	N
Temp ATWS	Spread 9	3917+00	0.35	N	N
Temp ATWS	Spread 9	3919+35	0.07	N	N
Temp ATWS	Spread 9	3920+42	0.16	N	N
Temp ATWS	Spread 9	3932+94	0.23	N	N
Temp ATWS	Spread 9	3932+98	0.31	N	N
Temp ATWS	Spread 9	3946+32	0.06	N	N
Temp ATWS	Spread 9	3946+79	0.06	N	N
Temp ATWS	Spread 9	3951+40	0.06	N	N
Temp TS	Spread 9	3951+40	0.06	N	N
Temp TS	Spread 9	3952+48	0.07	N	N
Temp ATWS	Spread 9	3952+65	0.06	N	N
Temp TS	Spread 9	3953+68	0.06	N	N
Temp TS	Spread 9	3955+21	0.03	N	N
Temp ATWS	Spread 9	3955+59	0.04	N	N
Temp ATWS	Spread 9	3955+79	0.04	N	N
Temp TS	Spread 9	3955+80	0.04	N	N
Temp ATWS	Spread 9	3957+45	0.05	N	N
Temp TS	Spread 9	3957+55	0.06	N	N
Temp ATWS	Spread 9	3958+33	0.05	N	N
Temp TS	Spread 9	3958+57	0.13	N	N
Temp ATWS	Spread 9	3959+81	0.06	N	N
Temp TS	Spread 9	3960+10	0.06	N	N
Temp ATWS	Spread 9	3960+10	0.06	N	N
Temp ATWS	Spread 9	3966+03	0.03	N	N
Temp ATWS	Spread 9	3966+25	0.06	N	N
Temp ATWS	Spread 9	3966+68	0.01	N	N
Temp TS	Spread 9	3969+16	0.28	N	N
Temp ATWS	Spread 9	3972+08	0.06	N	N
Temp TS	Spread 9	3972+08	0.06	N	N
Temp ATWS	Spread 9	3972+08	0.06	N	N
Temp ATWS	Spread 9	3977+53	0.06	N	N
Temp ATWS	Spread 9	3977+75	0.06	N	N
Temp TS	Spread 9	3979+77	0.04	N	N
Temp ATWS	Spread 9	3980+42	0.06	N	N
Temp ATWS	Spread 9	3980+62	0.06	N	N
Temp TS	Spread 9	3980+63	0.06	N	N
Temp ATWS	Spread 9	3982+43	0.06	N	N
Temp ATWS	Spread 9	3982+56	0.06	N	N
Temp TS	Spread 9	3982+57	0.06	N	N
Temp TS	Spread 9	3984+98	0.22	N	N
Temp ATWS	Spread 9	3987+34	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	3987+34	0.06	N	N
Temp ATWS	Spread 9	3987+35	0.06	N	N
Temp ATWS	Spread 9	3995+27	0.06	N	N
Temp TS	Spread 9	3995+27	0.06	N	N
Temp ATWS	Spread 9	3996+27	0.06	N	N
Temp TS	Spread 9	3998+85	0.35	N	N
Temp ATWS	Spread 9	4004+43	0.06	N	N
Temp ATWS	Spread 9	4004+54	0.06	N	N
Temp ATWS	Spread 9	4009+26	0.08	N	N
Temp ATWS	Spread 9	4015+44	0.06	N	N
Temp TS	Spread 9	4015+45	0.06	N	N
Temp ATWS	Spread 9	4019+16	0.06	N	N
Temp TS	Spread 9	4019+95	0.46	N	N
Temp TS	Spread 9	4028+03	0.36	N	N
Temp TS	Spread 9	4031+61	0.05	N	N
Temp ATWS	Spread 9	4031+65	0.06	N	N
Temp ATWS	Spread 9	4032+79	0.06	N	N
Temp TS	Spread 9	4043+30	0.11	N	N
Temp ATWS	Spread 9	4043+36	0.11	N	N
Temp ATWS	Spread 9	4044+41	0.05	N	N
Temp ATWS	Spread 9	4045+86	0.05	N	N
Temp ATWS	Spread 9	4046+08	0.23	N	N
Temp TS	Spread 9	4046+08	0.10	N	N
Temp TS	Spread 9	4049+51	0.31	N	N
Temp ATWS	Spread 9	4051+01	0.06	N	N
Temp ATWS	Spread 9	4052+45	0.09	N	N
Temp ATWS	Spread 9	4052+71	0.05	N	N
Temp ATWS	Spread 9	4101+76	0.06	N	N
Temp ATWS	Spread 9	4104+27	0.12	N	N
Temp ATWS	Spread 9	4104+70	0.06	N	N
Temp ATWS	Spread 9	4108+67	0.06	N	N
Temp ATWS	Spread 9	4109+67	0.06	N	N
Temp ATWS	Spread 9	4117+15	0.06	N	N
Temp ATWS	Spread 9	4117+15	0.06	N	N
Temp ATWS	Spread 9	4122+02	0.06	N	N
Temp ATWS	Spread 9	4122+02	0.06	N	N
Temp ATWS	Spread 9	4126+68	0.17	N	N
Temp ATWS	Spread 9	4126+93	0.06	N	N
Temp ATWS	Spread 9	4140+46	0.06	N	N
Temp ATWS	Spread 9	4142+06	0.06	N	N
Temp ATWS	Spread 9	4148+79	0.23	N	N
Temp ATWS	Spread 9	4149+23	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4165+53	0.06	N	N
Temp ATWS	Spread 9	4173+67	0.06	N	N
Temp ATWS	Spread 9	4179+67	0.13	N	N
Temp ATWS	Spread 9	4193+51	0.05	N	N
Temp ATWS	Spread 9	4193+51	0.23	N	N
Temp TS	Spread 9	4193+55	0.05	N	N
Temp TS	Spread 9	4196+93	0.34	N	N
Temp ATWS	Spread 9	4199+70	0.19	N	N
Temp ATWS	Spread 9	4200+37	0.06	N	N
Temp TS	Spread 9	4200+40	0.06	N	N
Temp ATWS	Spread 9	4201+44	0.04	N	N
Temp ATWS	Spread 9	4201+96	0.06	N	N
Temp TS	Spread 9	4201+99	0.05	N	N
Temp ATWS	Spread 9	4204+00	0.04	N	N
Temp ATWS	Spread 9	4204+46	0.12	N	N
Temp TS	Spread 9	4204+50	0.11	N	N
Temp ATWS	Spread 9	4206+69	0.05	N	N
Temp ATWS	Spread 9	4212+66	0.06	N	N
Temp ATWS	Spread 9	4215+22	0.06	N	N
Temp ATWS	Spread 9	4217+89	0.06	N	N
Temp ATWS	Spread 9	4219+12	0.06	N	N
Temp ATWS	Spread 9	4221+81	0.12	N	N
Temp ATWS	Spread 9	4223+78	0.05	N	N
Temp TS	Spread 9	4223+81	0.05	N	N
Temp ATWS	Spread 9	4223+85	0.08	N	N
Temp TS	Spread 9	4224+60	0.07	N	N
Temp ATWS	Spread 9	4225+64	0.05	N	N
Temp ATWS	Spread 9	4230+09	0.06	N	N
Temp ATWS	Spread 9	4230+26	0.04	N	N
Temp ATWS	Spread 9	4231+92	0.05	N	N
Temp ATWS	Spread 9	4238+92	0.06	N	N
Temp ATWS	Spread 9	4239+93	0.17	N	N
Temp TS	Spread 9	4243+31	0.11	N	N
Temp ATWS	Spread 9	4244+63	0.06	N	N
Temp ATWS	Spread 9	4244+75	0.06	N	N
Temp TS	Spread 9	4244+76	0.06	N	N
Temp ATWS	Spread 9	4247+50	0.06	N	N
Temp TS	Spread 9	4247+50	0.06	N	N
Temp ATWS	Spread 9	4248+62	0.06	N	N
Temp TS	Spread 9	4249+38	0.16	N	N
Temp TS	Spread 9	4251+25	0.06	N	N
Temp ATWS	Spread 9	4251+27	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4251+65	0.06	N	N
Temp ATWS	Spread 9	4259+37	0.10	N	N
Temp TS	Spread 9	4259+37	0.10	N	N
Temp ATWS	Spread 9	4261+99	0.06	N	N
Temp ATWS	Spread 9	4263+68	0.61	N	N
Temp ATWS	Spread 9	4265+36	0.05	N	N
Temp ATWS	Spread 9	4266+50	0.12	N	N
Temp ATWS	Spread 9	4279+35	0.05	N	N
Temp ATWS	Spread 9	4280+95	0.17	N	N
Temp ATWS	Spread 9	4281+04	0.05	N	N
Temp ATWS	Spread 9	4282+13	0.06	N	N
Temp ATWS	Spread 9	4282+59	0.19	N	N
Temp ATWS	Spread 9	4290+07	0.06	N	N
Temp TS	Spread 9	4291+09	0.06	N	N
Temp ATWS	Spread 9	4291+09	0.06	N	N
Temp TS	Spread 9	4292+39	0.11	N	N
Temp ATWS	Spread 9	4293+45	0.06	N	N
Temp ATWS	Spread 9	4293+90	0.06	N	N
Temp TS	Spread 9	4308+61	0.02	N	N
Temp ATWS	Spread 9	4308+61	0.09	N	N
Temp ATWS	Spread 9	4310+01	0.06	N	N
Temp TS	Spread 9	4310+73	0.15	N	N
Temp TS	Spread 9	4312+59	0.05	N	N
Temp ATWS	Spread 9	4312+62	0.06	N	N
Temp ATWS	Spread 9	4312+75	0.06	N	N
Temp ATWS	Spread 9	4322+72	0.06	N	N
Temp ATWS	Spread 9	4323+61	0.06	N	N
Temp TS	Spread 9	4330+73	0.51	N	N
Temp ATWS	Spread 9	4333+66	0.06	N	N
Temp ATWS	Spread 9	4335+61	0.06	N	N
Temp TS	Spread 9	4335+61	0.06	N	N
Temp ATWS	Spread 9	4339+20	0.09	N	N
Temp ATWS	Spread 9	4339+28	0.10	N	N
Temp TS	Spread 9	4339+29	0.10	N	N
Temp ATWS	Spread 9	4341+67	0.06	N	N
Temp ATWS	Spread 9	4341+81	0.06	N	N
Temp TS	Spread 9	4341+81	0.06	N	N
Temp TS	Spread 9	4348+91	1.01	N	N
Temp ATWS	Spread 9	4360+65	0.06	N	N
Temp ATWS	Spread 9	4360+65	0.06	N	N
Temp ATWS	Spread 9	4370+94	0.06	N	N
Temp ATWS	Spread 9	4371+91	0.09	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4372+40	0.06	N	N
Temp ATWS	Spread 9	4373+61	0.35	N	N
Temp ATWS	Spread 9	4373+99	0.06	N	N
Temp ATWS	Spread 9	4383+48	0.07	N	N
Temp ATWS	Spread 9	4389+74	0.20	N	N
Temp ATWS	Spread 9	4390+30	0.33	N	N
Temp ATWS	Spread 9	4404+98	0.10	N	N
Temp ATWS	Spread 9	4405+51	0.14	N	N
Temp ATWS	Spread 9	4415+33	1.15	N	N
Temp ATWS	Spread 9	4423+82	0.06	N	N
Temp ATWS	Spread 9	4429+90	0.06	N	N
Temp ATWS	Spread 9	4429+90	0.06	N	N
Temp TS	Spread 9	4432+42	0.14	N	N
Temp TS	Spread 9	4434+16	0.03	N	N
Temp ATWS	Spread 9	4434+89	0.06	N	N
Temp TS	Spread 9	4434+97	0.06	N	N
Temp ATWS	Spread 9	4434+97	0.06	N	N
Temp ATWS	Spread 9	4437+02	0.05	N	N
Temp ATWS	Spread 9	4438+18	0.06	N	N
Temp ATWS	Spread 9	4440+24	0.06	N	N
Temp ATWS	Spread 9	4440+45	0.06	N	N
Temp TS	Spread 9	4443+34	0.20	N	N
Temp ATWS	Spread 9	4446+39	0.29	N	N
Temp TS	Spread 9	4446+40	0.14	N	N
Temp ATWS	Spread 9	4447+10	0.06	N	N
Temp ATWS	Spread 9	4448+72	0.06	N	N
Temp ATWS	Spread 9	4448+77	0.06	N	N
Temp TS	Spread 9	4448+78	0.06	N	N
Temp TS	Spread 9	4450+31	0.12	N	N
Temp ATWS	Spread 9	4451+85	0.06	N	N
Temp ATWS	Spread 9	4452+01	0.06	N	N
Temp ATWS	Spread 9	4454+08	0.06	N	N
Temp ATWS	Spread 9	4455+03	0.06	N	N
Temp TS	Spread 9	4456+17	0.07	N	N
Temp TS	Spread 9	4460+93	0.06	N	N
Temp ATWS	Spread 9	4461+51	0.06	N	N
Temp ATWS	Spread 9	4462+08	0.05	N	N
Temp TS	Spread 9	4462+12	0.06	N	N
Temp ATWS	Spread 9	4463+09	0.05	N	N
Temp ATWS	Spread 9	4463+65	0.05	N	N
Temp TS	Spread 9	4463+71	0.05	N	N
Temp TS	Spread 9	4476+68	1.39	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4490+02	0.06	N	N
Temp ATWS	Spread 9	4490+06	0.06	N	N
Temp ATWS	Spread 9	4495+55	0.01	N	N
Temp ATWS	Spread 9	4495+83	0.01	N	N
Temp TS	Spread 9	4496+82	0.06	N	N
Temp ATWS	Spread 9	4496+85	0.17	N	N
Temp ATWS	Spread 9	4496+99	0.06	N	N
Temp TS	Spread 9	4507+44	1.11	N	N
Temp TS	Spread 9	4517+42	0.04	N	N
Temp ATWS	Spread 9	4517+54	0.06	N	N
Temp ATWS	Spread 9	4518+08	0.06	N	N
Temp ATWS	Spread 9	4529+09	0.06	N	N
Temp ATWS	Spread 9	4529+45	0.06	N	N
Temp TS	Spread 9	4532+18	0.26	N	N
Temp ATWS	Spread 9	4534+11	0.05	N	N
Temp ATWS	Spread 9	4534+54	0.05	N	N
Temp ATWS	Spread 9	4538+90	0.06	N	N
Temp ATWS	Spread 9	4539+08	0.05	N	N
Temp TS	Spread 9	4541+91	0.34	N	N
Temp ATWS	Spread 9	4545+15	0.06	N	N
Temp ATWS	Spread 9	4545+35	0.06	N	N
Temp TS	Spread 9	4545+37	0.06	N	N
Temp ATWS	Spread 9	4547+00	0.18	N	N
Temp ATWS	Spread 9	4558+37	0.06	N	N
Temp ATWS	Spread 9	4559+55	0.06	N	N
Temp TS	Spread 9	4560+99	0.21	N	N
Temp TS	Spread 9	4563+30	0.06	N	N
Temp ATWS	Spread 9	4563+30	0.06	N	N
Temp ATWS	Spread 9	4563+33	0.06	N	N
Temp ATWS	Spread 9	4568+13	0.06	N	N
Temp TS	Spread 9	4568+13	0.06	N	N
Temp TS	Spread 9	4571+38	0.32	N	N
Temp ATWS	Spread 9	4571+93	0.06	N	N
Temp ATWS	Spread 9	4574+63	0.06	N	N
Temp TS	Spread 9	4574+63	0.06	N	N
Temp ATWS	Spread 9	4574+63	0.06	N	N
Temp ATWS	Spread 9	4580+52	0.06	N	N
Temp TS	Spread 9	4580+52	0.06	N	N
Temp ATWS	Spread 9	4580+52	0.06	N	N
Temp TS	Spread 9	4582+32	0.15	N	N
Temp TS	Spread 9	4587+14	0.44	N	N
Temp ATWS	Spread 9	4590+71	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	4591+26	0.03	N	N
Temp ATWS	Spread 9	4591+44	0.05	N	N
Temp ATWS	Spread 9	4599+96	0.06	N	N
Temp TS	Spread 9	4600+04	0.05	N	N
Temp ATWS	Spread 9	4600+23	0.06	N	N
Temp TS	Spread 9	4607+14	0.82	N	N
Temp ATWS	Spread 9	4613+81	0.05	N	N
Temp ATWS	Spread 9	4614+37	0.05	N	N
Temp TS	Spread 9	4614+41	0.06	N	N
Temp ATWS	Spread 9	4615+44	0.06	N	N
Temp ATWS	Spread 9	4615+94	0.06	N	N
Temp TS	Spread 9	4615+99	0.05	N	N
Temp TS	Spread 9	4618+65	0.26	N	N
Temp ATWS	Spread 9	4618+92	0.06	N	N
Temp ATWS	Spread 9	4621+39	0.06	N	N
Temp TS	Spread 9	4621+39	0.06	N	N
Temp ATWS	Spread 9	4624+28	0.06	N	N
Temp TS	Spread 9	4624+28	0.06	N	N
Temp ATWS	Spread 9	4625+70	0.06	N	N
Temp TS	Spread 9	4631+22	0.74	N	N
Temp ATWS	Spread 9	4638+05	0.06	N	N
Temp ATWS	Spread 9	4638+10	0.06	N	N
Temp TS	Spread 9	4638+11	0.06	N	N
Temp TS	Spread 9	4639+85	0.06	N	N
Temp ATWS	Spread 9	4639+86	0.06	N	N
Temp TS	Spread 9	4640+46	0.01	N	N
Temp ATWS	Spread 9	4643+23	0.06	N	N
Temp TS	Spread 9	4643+23	0.06	N	N
Temp TS	Spread 9	4648+67	0.57	N	N
Temp ATWS	Spread 9	4652+53	0.06	N	N
Temp TS	Spread 9	4654+07	0.05	N	N
Temp ATWS	Spread 9	4654+09	0.06	N	N
Temp ATWS	Spread 9	4669+47	0.06	N	N
Temp ATWS	Spread 9	4686+51	0.05	N	N
Temp ATWS	Spread 9	4687+74	0.26	N	N
Temp TS	Spread 9	4687+83	0.13	N	N
Temp TS	Spread 9	4693+95	0.41	N	N
Temp TS	Spread 9	4696+63	0.13	N	N
Temp ATWS	Spread 9	4696+79	0.28	N	N
Temp ATWS	Spread 9	4698+66	0.05	N	N
Temp TS	Spread 9	4699+22	0.07	N	N
Temp ATWS	Spread 9	4699+32	0.05	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4700+34	0.05	N	N
Temp TS	Spread 9	4703+03	0.37	N	N
Temp TS	Spread 9	4706+78	0.05	N	N
Temp ATWS	Spread 9	4706+80	0.06	N	N
Temp ATWS	Spread 9	4706+86	0.06	N	N
Temp ATWS	Spread 9	4710+42	0.06	N	N
Temp ATWS	Spread 9	4710+48	0.06	N	N
Temp TS	Spread 9	4719+81	0.30	N	N
Temp ATWS	Spread 9	4724+49	0.05	N	N
Temp ATWS	Spread 9	4725+92	0.06	N	N
Temp ATWS	Spread 9	4726+82	0.06	N	N
Temp TS	Spread 9	4735+95	0.40	N	N
Temp ATWS	Spread 9	4740+64	0.39	N	N
Temp TS	Spread 9	4740+96	0.13	N	N
Temp ATWS	Spread 9	4741+76	0.05	N	N
Temp ATWS	Spread 9	4743+37	0.05	N	N
Temp ATWS	Spread 9	4743+94	0.05	N	N
Temp TS	Spread 9	4744+00	0.05	N	N
Temp TS	Spread 9	4751+22	0.68	N	N
Temp ATWS	Spread 9	4756+67	0.06	N	N
Temp ATWS	Spread 9	4756+85	0.06	N	N
Temp TS	Spread 9	4756+87	0.06	N	N
Temp TS	Spread 9	4758+18	0.09	N	N
Temp ATWS	Spread 9	4758+21	0.08	N	N
Temp ATWS	Spread 9	4759+00	0.05	N	N
Temp ATWS	Spread 9	4765+35	0.09	N	N
Temp ATWS	Spread 9	4765+38	0.10	N	N
Temp ATWS	Spread 9	4769+18	0.06	N	N
Temp ATWS	Spread 9	4769+37	0.06	N	N
Temp ATWS	Spread 9	4774+93	0.06	N	N
Temp ATWS	Spread 9	4777+12	0.06	N	N
Temp TS	Spread 9	4777+44	0.11	N	N
Temp TS	Spread 9	4779+85	0.13	N	N
Temp ATWS	Spread 9	4781+65	0.06	N	N
Temp TS	Spread 9	4781+66	0.06	N	N
Temp ATWS	Spread 9	4781+75	0.06	N	N
Temp ATWS	Spread 9	4790+92	0.06	N	N
Temp ATWS	Spread 9	4791+13	0.06	N	N
Temp ATWS	Spread 9	4794+74	0.64	N	N
Temp ATWS	Spread 9	4796+84	0.06	N	N
Temp ATWS	Spread 9	4803+01	0.04	N	N
Temp TS	Spread 9	4804+76	0.11	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4806+49	0.06	N	N
Temp ATWS	Spread 9	4809+81	0.08	N	N
Temp TS	Spread 9	4810+14	0.04	N	N
Temp TS	Spread 9	4812+49	0.22	N	N
Temp ATWS	Spread 9	4814+63	0.06	N	N
Temp ATWS	Spread 9	4814+94	0.06	N	N
Temp TS	Spread 9	4821+01	0.06	N	N
Temp ATWS	Spread 9	4821+01	0.06	N	N
Temp ATWS	Spread 9	4821+49	0.06	N	N
Temp TS	Spread 9	4824+71	0.37	N	N
Temp ATWS	Spread 9	4827+77	0.17	N	N
Temp ATWS	Spread 9	4828+41	0.06	N	N
Temp TS	Spread 9	4828+41	0.06	N	N
Temp ATWS	Spread 9	4841+22	0.11	N	N
Temp ATWS	Spread 9	4847+76	0.06	N	N
Temp TS	Spread 9	4849+59	0.06	N	N
Temp TS	Spread 9	4852+14	0.02	N	N
Temp TS	Spread 9	4852+77	0.05	N	N
Temp ATWS	Spread 9	4852+82	0.06	N	N
Temp ATWS	Spread 9	4853+24	0.05	N	N
Temp ATWS	Spread 9	4854+40	0.06	N	N
Temp ATWS	Spread 9	4855+35	0.22	N	N
Temp TS	Spread 9	4858+48	0.28	N	N
Temp ATWS	Spread 9	4859+93	0.06	N	N
Temp ATWS	Spread 9	4877+68	0.06	N	N
Temp ATWS	Spread 9	4878+07	0.06	N	N
Temp ATWS	Spread 9	4881+10	0.06	N	N
Temp ATWS	Spread 9	4881+81	0.06	N	N
Temp TS	Spread 9	4889+22	0.55	N	N
Temp ATWS	Spread 9	4894+86	0.05	N	N
Temp TS	Spread 9	4894+95	0.06	N	N
Temp ATWS	Spread 9	4894+95	0.06	N	N
Temp ATWS	Spread 9	4900+80	0.06	N	N
Temp ATWS	Spread 9	4901+22	0.06	N	N
Temp TS	Spread 9	4901+27	0.05	N	N
Temp TS	Spread 9	4910+49	0.96	N	N
Temp TS	Spread 9	4925+17	0.19	N	N
Temp ATWS	Spread 9	4926+00	0.05	N	N
Temp ATWS	Spread 9	4926+34	0.05	N	N
Temp TS	Spread 9	4926+34	0.05	N	N
Temp ATWS	Spread 9	4949+38	0.06	N	N
Temp TS	Spread 9	4953+88	0.14	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	4954+74	0.06	N	N
Temp ATWS	Spread 9	4955+62	0.06	N	N
Temp TS	Spread 9	4955+62	0.06	N	N
Temp ATWS	Spread 9	4961+90	0.06	N	N
Temp ATWS	Spread 9	4961+90	0.06	N	N
Temp ATWS	Spread 9	4965+29	0.06	N	N
Temp ATWS	Spread 9	4966+18	0.06	N	N
Temp ATWS	Spread 9	4967+50	0.06	N	N
Temp ATWS	Spread 9	4969+59	0.06	N	N
Temp ATWS	Spread 9	4974+27	0.06	N	N
Temp ATWS	Spread 9	4974+58	0.06	N	N
Temp ATWS	Spread 9	4985+95	0.06	N	N
Temp TS	Spread 9	4987+39	0.11	N	N
Temp ATWS	Spread 9	4988+89	0.06	N	N
Temp ATWS	Spread 9	4990+46	0.06	N	N
Temp ATWS	Spread 9	4992+19	0.06	N	N
Temp TS	Spread 9	5006+08	0.27	N	N
Temp ATWS	Spread 9	5009+45	0.06	N	N
Temp ATWS	Spread 9	5009+46	0.06	N	N
Temp ATWS	Spread 9	5025+53	0.06	N	N
Temp ATWS	Spread 9	5025+95	0.06	N	N
Temp TS	Spread 9	5027+18	0.08	N	N
Temp TS	Spread 9	5029+09	0.12	N	N
Temp TS	Spread 9	5033+88	0.43	N	N
Temp TS	Spread 9	5045+87	0.43	N	N
Temp ATWS	Spread 9	5050+97	0.06	N	N
Temp ATWS	Spread 9	5051+42	0.06	N	N
Temp ATWS	Spread 9	5054+29	0.06	N	N
Temp ATWS	Spread 9	5055+14	0.06	N	N
Temp TS	Spread 9	5058+55	0.43	N	N
Temp TS	Spread 9	5066+14	0.40	N	N
Temp ATWS	Spread 9	5068+94	0.06	N	N
Temp TS	Spread 9	5070+16	0.06	N	N
Temp ATWS	Spread 9	5070+16	0.06	N	N
Temp ATWS	Spread 9	5073+14	0.06	N	N
Temp TS	Spread 9	5073+14	0.06	N	N
Temp ATWS	Spread 9	5074+10	0.06	N	N
Temp TS	Spread 9	5077+09	0.40	N	N
Temp TS	Spread 9	5081+04	0.06	N	N
Temp ATWS	Spread 9	5081+04	0.06	N	N
Temp TS	Spread 9	5082+06	0.06	N	N
Temp TS	Spread 9	5083+08	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	5083+08	0.06	N	N
Temp TS	Spread 9	5084+34	0.09	N	N
Temp TS	Spread 9	5085+59	0.06	N	N
Temp ATWS	Spread 9	5085+59	0.06	N	N
Temp TS	Spread 9	5089+70	0.42	N	N
Temp TS	Spread 9	5097+43	0.17	N	N
Temp ATWS	Spread 9	5098+96	0.05	N	N
Temp ATWS	Spread 9	5099+57	0.05	N	N
Temp TS	Spread 9	5099+62	0.05	N	N
Temp ATWS	Spread 9	5100+57	0.05	N	N
Temp ATWS	Spread 9	5101+61	0.20	N	N
Temp TS	Spread 9	5101+70	0.07	N	N
Temp TS	Spread 9	5104+64	0.23	N	N
Temp TS	Spread 9	5109+17	0.15	N	N
Temp ATWS	Spread 9	5110+97	0.06	N	N
Temp ATWS	Spread 9	5112+96	0.06	N	N
Temp ATWS	Spread 9	5122+48	0.06	N	N
Temp ATWS	Spread 9	5122+48	0.06	N	N
Temp ATWS	Spread 9	5123+72	0.06	N	N
Temp ATWS	Spread 9	5123+93	0.06	N	N
Temp ATWS	Spread 9	5126+59	0.06	N	N
Temp ATWS	Spread 9	5128+58	0.06	N	N
Temp TS	Spread 9	5130+63	0.38	N	N
Temp ATWS	Spread 9	5134+43	0.06	N	N
Temp TS	Spread 9	5134+43	0.06	N	N
Temp ATWS	Spread 9	5134+89	0.06	N	N
Temp ATWS	Spread 9	5136+59	0.06	N	N
Temp TS	Spread 9	5136+59	0.06	N	N
Temp ATWS	Spread 9	5137+14	0.06	N	N
Temp TS	Spread 9	5138+46	0.16	N	N
Temp TS	Spread 9	5140+31	0.06	N	N
Temp ATWS	Spread 9	5140+32	0.06	N	N
Temp ATWS	Spread 9	5140+54	0.06	N	N
Temp ATWS	Spread 9	5141+93	0.06	N	N
Temp ATWS	Spread 9	5142+12	0.06	N	N
Temp TS	Spread 9	5142+14	0.05	N	N
Temp ATWS	Spread 9	5145+42	0.17	N	N
Temp TS	Spread 9	5147+34	0.50	N	N
Temp TS	Spread 9	5172+68	0.40	N	N
Temp ATWS	Spread 9	5183+33	0.06	N	N
Temp ATWS	Spread 9	5183+70	0.05	N	N
Temp ATWS	Spread 9	5194+12	0.41	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	5196+01	0.52	N	N
Temp TS	Spread 9	5199+63	0.24	N	N
Temp ATWS	Spread 9	5211+25	0.01	N	N
Temp ATWS	Spread 9	5244+01	0.02	N	N
Temp ATWS	Spread 9	5244+19	0.02	N	N
Temp ATWS	Spread 9	5244+68	0.04	N	N
Temp ATWS	Spread 9	5244+84	0.00	N	N
Temp ATWS	Spread 9	5246+36	0.41	N	N
Temp ATWS	Spread 9	5246+62	0.06	N	N
Temp ATWS	Spread 9	5260+37	1.03	N	N
Temp ATWS	Spread 9	5270+85	0.46	N	N
Temp ATWS	Spread 9	5288+59	0.56	N	N
Temp ATWS	Spread 9	5289+02	1.25	N	N
Perm AR	Spread 9	5289+59	0.08	N	N
Temp ATWS	Spread 9	5295+03	0.03	N	N
Temp ATWS	Spread 9	5295+55	0.10	N	N
Temp ATWS	Spread 9	5311+71	0.06	N	N
Temp ATWS	Spread 9	5314+30	0.06	N	N
Temp ATWS	Spread 9	5314+86	0.06	N	N
Temp ATWS	Spread 9	5320+30	0.95	N	N
Temp ATWS	Spread 9	5328+01	0.06	N	N
Temp ATWS	Spread 9	5328+55	0.06	N	N
Temp ATWS	Spread 9	5372+90	0.17	N	N
Temp TS	Spread 9	5372+90	0.09	N	N
Temp ATWS	Spread 9	5373+26	0.06	N	N
Temp TS	Spread 9	5377+77	0.47	N	N
Temp ATWS	Spread 9	5382+39	0.12	N	N
Temp ATWS	Spread 9	5387+31	0.06	N	N
Temp TS	Spread 9	5388+19	0.12	N	N
Temp ATWS	Spread 9	5389+76	0.06	N	N
Temp ATWS	Spread 9	5392+65	0.06	N	N
Temp ATWS	Spread 9	5394+41	0.06	N	N
Temp ATWS	Spread 9	5398+47	0.06	N	N
Temp ATWS	Spread 9	5402+14	0.06	N	N
Temp ATWS	Spread 9	5402+46	0.06	N	N
Temp TS	Spread 9	5404+02	0.08	N	N
Temp ATWS	Spread 9	5405+13	0.06	N	N
Temp ATWS	Spread 9	5405+26	0.06	N	N
Temp TS	Spread 9	5405+27	0.06	N	N
Temp ATWS	Spread 9	5406+73	0.06	N	N
Temp ATWS	Spread 9	5407+39	0.23	N	N
Temp TS	Spread 9	5407+43	0.11	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	5408+54	0.02	N	N
Temp TS	Spread 9	5414+76	0.15	N	N
Temp TS	Spread 9	5419+65	0.44	N	N
Temp TS	Spread 9	5425+45	0.20	N	N
Temp ATWS	Spread 9	5426+85	0.06	N	N
Temp ATWS	Spread 9	5427+91	0.06	N	N
Temp ATWS	Spread 9	5439+12	0.06	N	N
Temp ATWS	Spread 9	5439+44	0.06	N	N
Temp ATWS	Spread 9	5442+30	0.06	N	N
Temp ATWS	Spread 9	5442+66	0.06	N	N
Temp ATWS	Spread 9	5445+86	0.05	N	N
Temp ATWS	Spread 9	5447+26	0.06	N	N
Temp TS	Spread 9	5447+26	0.06	N	N
Temp TS	Spread 9	5448+36	0.07	N	N
Temp ATWS	Spread 9	5456+57	0.06	N	N
Temp ATWS	Spread 9	5460+07	0.06	N	N
Temp ATWS	Spread 9	5466+08	0.06	N	N
Temp ATWS	Spread 9	5468+26	0.06	N	N
Temp ATWS	Spread 9	5481+26	0.06	N	N
Temp ATWS	Spread 9	5481+59	0.05	N	N
Temp ATWS	Spread 9	5484+29	0.08	N	N
Temp ATWS	Spread 9	5484+31	0.06	N	N
Temp TS	Spread 9	5486+35	0.06	N	N
Temp ATWS	Spread 9	5486+36	0.06	N	N
Temp ATWS	Spread 9	5486+48	0.06	N	N
Temp TS	Spread 9	5489+06	0.26	N	N
Temp ATWS	Spread 9	5494+20	0.06	N	N
Temp ATWS	Spread 9	5494+61	0.06	N	N
Temp ATWS	Spread 9	5496+23	0.06	N	N
Temp TS	Spread 9	5496+23	0.06	N	N
Temp ATWS	Spread 9	5497+18	0.06	N	N
Temp TS	Spread 9	5500+86	0.56	N	N
Temp TS	Spread 9	5507+56	0.06	N	N
Temp ATWS	Spread 9	5507+56	0.06	N	N
Temp ATWS	Spread 9	5507+59	0.06	N	N
Temp ATWS	Spread 9	5509+18	0.06	N	N
Temp TS	Spread 9	5509+48	0.11	N	N
Temp ATWS	Spread 9	5509+50	0.18	N	N
Temp TS	Spread 9	5510+49	0.02	N	N
Temp TS	Spread 9	5511+08	0.05	N	N
Temp ATWS	Spread 9	5511+18	0.06	N	N
Temp ATWS	Spread 9	5512+06	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	5518+09	0.04	N	N
Temp ATWS	Spread 9	5521+77	0.06	N	N
Temp ATWS	Spread 9	5523+03	0.06	N	N
Temp TS	Spread 9	5526+74	0.51	N	N
Temp TS	Spread 9	5554+90	0.42	N	N
Temp TS	Spread 9	5558+29	0.04	N	N
Temp ATWS	Spread 9	5558+43	0.05	N	N
Temp ATWS	Spread 9	5558+75	0.06	N	N
Temp ATWS	Spread 9	5560+10	0.06	N	N
Temp ATWS	Spread 9	5560+34	0.06	N	N
Temp TS	Spread 9	5564+65	0.32	N	N
Temp ATWS	Spread 9	5570+22	0.06	N	N
Temp ATWS	Spread 9	5571+92	0.06	N	N
Temp TS	Spread 9	5578+79	0.06	N	N
Temp ATWS	Spread 9	5578+79	0.06	N	N
Temp ATWS	Spread 9	5578+89	0.06	N	N
Temp TS	Spread 9	5580+59	0.13	N	N
Temp TS	Spread 9	5581+91	0.11	N	N
Temp ATWS	Spread 9	5583+34	0.06	N	N
Temp ATWS	Spread 9	5583+37	0.06	N	N
Temp TS	Spread 9	5583+38	0.06	N	N
Temp ATWS	Spread 9	5584+95	0.06	N	N
Temp ATWS	Spread 9	5584+98	0.06	N	N
Temp TS	Spread 9	5584+99	0.06	N	N
Temp TS	Spread 9	5590+97	0.63	N	N
Temp ATWS	Spread 9	5598+25	0.06	N	N
Temp ATWS	Spread 9	5599+35	0.06	N	N
Temp ATWS	Spread 9	5602+34	0.06	N	N
Temp ATWS	Spread 9	5603+06	0.06	N	N
Temp TS	Spread 9	5611+51	0.45	N	N
Temp TS	Spread 9	5617+41	0.21	N	N
Temp TS	Spread 9	5625+66	0.63	N	N
Temp TS	Spread 9	5631+97	0.06	N	N
Temp ATWS	Spread 9	5631+98	0.06	N	N
Temp ATWS	Spread 9	5633+32	0.06	N	N
Temp ATWS	Spread 9	5639+17	0.06	N	N
Temp ATWS	Spread 9	5639+27	0.06	N	N
Temp TS	Spread 9	5643+89	0.51	N	N
Temp TS	Spread 9	5649+80	0.15	N	N
Temp TS	Spread 9	5667+07	0.74	N	N
Temp TS	Spread 9	5679+90	0.49	N	N
Temp TS	Spread 9	5683+34	0.04	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	5683+42	0.05	N	N
Temp ATWS	Spread 9	5684+26	0.05	N	N
Temp ATWS	Spread 9	5685+19	0.03	N	N
Temp TS	Spread 9	5685+19	0.03	N	N
Temp ATWS	Spread 9	5685+91	0.05	N	N
Temp TS	Spread 9	5688+94	0.38	N	N
Temp TS	Spread 9	5695+00	0.22	N	N
Temp ATWS	Spread 9	5705+81	0.06	N	N
Temp ATWS	Spread 9	5708+82	0.06	N	N
Temp ATWS	Spread 9	5713+26	0.06	N	N
Temp ATWS	Spread 9	5714+30	0.06	N	N
Temp ATWS	Spread 9	5716+23	0.06	N	N
Temp ATWS	Spread 9	5716+73	0.06	N	N
Temp ATWS	Spread 9	5729+96	0.06	N	N
Temp ATWS	Spread 9	5730+35	0.06	N	N
Temp TS	Spread 9	5742+20	0.24	N	N
Temp TS	Spread 9	5746+00	0.13	N	N
Temp TS	Spread 9	5754+61	0.63	N	N
Temp ATWS	Spread 9	5762+45	0.06	N	N
Temp ATWS	Spread 9	5764+07	0.23	N	N
Temp TS	Spread 9	5777+69	0.16	N	N
Temp ATWS	Spread 9	5777+72	0.15	N	N
Temp ATWS	Spread 9	5779+05	0.05	N	N
Temp TS	Spread 9	5780+04	0.11	N	N
Temp ATWS	Spread 9	5780+66	0.05	N	N
Temp TS	Spread 9	5784+70	0.48	N	N
Temp TS	Spread 9	5793+80	0.18	N	N
Temp ATWS	Spread 9	5794+69	0.06	N	N
Temp ATWS	Spread 9	5796+44	0.06	N	N
Temp ATWS	Spread 9	5798+93	0.02	N	N
Temp ATWS	Spread 9	5799+04	0.22	N	N
Temp ATWS	Spread 9	5803+23	0.06	N	N
Temp ATWS	Spread 9	5803+24	0.06	N	N
Temp TS	Spread 9	5811+56	0.53	N	N
Temp TS	Spread 9	5817+15	0.11	N	N
Temp ATWS	Spread 9	5817+16	0.11	N	N
Temp ATWS	Spread 9	5817+74	0.06	N	N
Temp TS	Spread 9	5819+24	0.06	N	N
Temp ATWS	Spread 9	5819+26	0.06	N	N
Temp ATWS	Spread 9	5819+34	0.06	N	N
Temp TS	Spread 9	5822+09	0.25	N	N
Temp TS	Spread 9	5831+52	0.78	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	5837+97	0.05	N	N
Temp ATWS	Spread 9	5838+02	0.05	N	N
Temp ATWS	Spread 9	5838+62	0.06	N	N
Temp ATWS	Spread 9	5840+81	0.06	N	N
Temp ATWS	Spread 9	5841+83	0.06	N	N
Temp TS	Spread 9	5841+83	0.06	N	N
Temp TS	Spread 9	5844+85	0.29	N	N
Temp TS	Spread 9	5851+53	0.42	N	N
Temp TS	Spread 9	5859+58	0.62	N	N
Temp ATWS	Spread 9	5865+34	0.05	N	N
Temp ATWS	Spread 9	5865+97	0.05	N	N
Temp TS	Spread 9	5866+88	0.06	N	N
Temp ATWS	Spread 9	5866+93	0.05	N	N
Temp ATWS	Spread 9	5867+58	0.05	N	N
Temp TS	Spread 9	5870+70	0.34	N	N
Temp ATWS	Spread 9	5873+81	0.06	N	N
Temp ATWS	Spread 9	5873+98	0.06	N	N
Temp TS	Spread 9	5875+85	0.06	N	N
Temp ATWS	Spread 9	5875+86	0.06	N	N
Temp ATWS	Spread 9	5876+03	0.06	N	N
Temp TS	Spread 9	5878+07	0.20	N	N
Temp TS	Spread 9	5885+49	0.61	N	N
Temp ATWS	Spread 9	5888+74	0.17	N	N
Temp ATWS	Spread 9	5894+95	0.06	N	N
Temp ATWS	Spread 9	5898+20	0.06	N	N
Temp ATWS	Spread 9	5908+56	0.06	N	N
Temp ATWS	Spread 9	5912+40	0.05	N	N
Temp ATWS	Spread 9	5915+05	0.06	N	N
Temp ATWS	Spread 9	5917+49	0.06	N	N
Temp ATWS	Spread 9	5921+59	0.06	N	N
Temp ATWS	Spread 9	5922+62	0.06	N	N
Temp ATWS	Spread 9	5931+90	0.06	N	N
Temp ATWS	Spread 9	5933+58	0.06	N	N
Temp TS	Spread 9	5941+30	0.67	N	N
Temp TS	Spread 9	5948+05	0.07	N	N
Temp ATWS	Spread 9	5948+42	0.16	N	N
Temp TS	Spread 9	5948+69	0.05	N	N
Temp ATWS	Spread 9	5948+74	0.05	N	N
Temp TS	Spread 9	5949+03	0.03	N	N
Temp ATWS	Spread 9	5950+32	0.05	N	N
Temp ATWS	Spread 9	5950+75	0.05	N	N
Temp TS	Spread 9	5950+83	0.04	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	5958+69	0.85	N	N
Temp TS	Spread 9	5966+15	0.04	N	N
Temp ATWS	Spread 9	5966+28	0.06	N	N
Temp ATWS	Spread 9	5966+90	0.06	N	N
Temp ATWS	Spread 9	5969+19	0.06	N	N
Temp ATWS	Spread 9	5970+83	0.06	N	N
Temp TS	Spread 9	5985+17	1.75	N	N
Temp TS	Spread 9	6000+69	0.03	N	N
Temp ATWS	Spread 9	6000+83	0.05	N	N
Temp ATWS	Spread 9	6001+99	0.05	N	N
Temp TS	Spread 9	6002+82	0.06	N	N
Temp ATWS	Spread 9	6002+89	0.05	N	N
Temp ATWS	Spread 9	6003+58	0.05	N	N
Temp TS	Spread 9	6005+25	0.27	N	N
Temp ATWS	Spread 9	6007+25	0.05	N	N
Temp ATWS	Spread 9	6008+05	0.05	N	N
Temp TS	Spread 9	6008+78	0.06	N	N
Temp ATWS	Spread 9	6008+85	0.05	N	N
Temp ATWS	Spread 9	6010+06	0.05	N	N
Temp TS	Spread 9	6014+44	0.61	N	N
Temp ATWS	Spread 9	6027+99	0.06	N	N
Temp ATWS	Spread 9	6028+20	0.04	N	N
Temp TS	Spread 9	6029+60	0.06	N	N
Temp ATWS	Spread 9	6029+61	0.06	N	N
Temp ATWS	Spread 9	6029+68	0.06	N	N
Temp TS	Spread 9	6030+26	0.02	N	N
Temp TS	Spread 9	6040+72	0.09	N	N
Temp ATWS	Spread 9	6044+89	0.37	N	N
Temp ATWS	Spread 9	6047+09	0.06	N	N
Temp ATWS	Spread 9	6047+16	0.06	N	N
Temp ATWS	Spread 9	6048+67	0.06	N	N
Temp TS	Spread 9	6048+68	0.05	N	N
Temp ATWS	Spread 9	6048+76	0.06	N	N
Temp TS	Spread 9	6053+34	0.47	N	N
Temp ATWS	Spread 9	6055+13	0.06	N	N
Temp ATWS	Spread 9	6055+15	0.06	N	N
Temp ATWS	Spread 9	6056+92	0.06	N	N
Temp ATWS	Spread 9	6057+94	0.06	N	N
Temp ATWS	Spread 9	6061+00	0.06	N	N
Temp TS	Spread 9	6061+08	0.05	N	N
Temp TS	Spread 9	6061+65	0.02	N	N
Temp ATWS	Spread 9	6062+29	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 9	6062+29	0.06	N	N
Temp ATWS	Spread 9	6073+00	0.06	N	N
Temp ATWS	Spread 9	6075+04	0.06	N	N
Temp TS	Spread 9	6078+63	0.50	N	N
Temp ATWS	Spread 9	6082+90	0.05	N	N
Temp ATWS	Spread 9	6083+46	0.16	N	N
Temp TS	Spread 9	6083+46	0.11	N	N
Temp ATWS	Spread 9	6084+85	0.06	N	N
Temp ATWS	Spread 9	6085+50	0.05	N	N
Temp TS	Spread 9	6085+59	0.03	N	N
Temp TS	Spread 9	6086+86	0.10	N	N
Temp ATWS	Spread 9	6087+97	0.06	N	N
Temp ATWS	Spread 9	6089+56	0.06	N	N
Temp ATWS	Spread 9	6101+50	0.06	N	N
Temp ATWS	Spread 9	6101+51	0.06	N	N
Temp TS	Spread 9	6101+51	0.06	N	N
Temp TS	Spread 9	6103+96	0.22	N	N
Temp ATWS	Spread 9	6105+36	0.06	N	N
Temp ATWS	Spread 9	6105+57	0.04	N	N
Temp ATWS	Spread 9	6112+44	0.17	N	N
Temp TS	Spread 9	6112+97	0.35	N	N
Temp ATWS	Spread 9	6115+19	0.04	N	N
Temp ATWS	Spread 9	6120+66	0.04	N	N
Temp ATWS	Spread 9	6121+11	0.06	N	N
Temp TS	Spread 9	6121+93	0.21	N	N
Temp ATWS	Spread 9	6122+97	0.06	N	N
Temp ATWS	Spread 9	6124+33	0.05	N	N
Temp ATWS	Spread 9	6126+59	0.06	N	N
Temp ATWS	Spread 9	6127+14	0.03	N	N
Temp TS	Spread 9	6130+77	0.55	N	N
Temp ATWS	Spread 9	6133+64	0.06	N	N
Temp ATWS	Spread 9	6136+39	0.06	N	N
Temp TS	Spread 9	6136+39	0.06	N	N
Temp ATWS	Spread 9	6141+04	0.06	N	N
Temp ATWS	Spread 9	6142+17	0.06	N	N
Temp ATWS	Spread 9	6142+74	0.06	N	N
Temp ATWS	Spread 9	6147+68	0.06	N	N
Temp ATWS	Spread 9	6148+59	0.06	N	N
Temp TS	Spread 9	6159+75	1.78	N	N
Temp ATWS	Spread 9	6178+95	0.05	N	N
Temp TS	Spread 9	6179+07	0.12	N	N
Temp ATWS	Spread 9	6179+31	0.21	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	6180+61	0.05	N	N
Temp ATWS	Spread 9	6181+67	0.05	N	N
Temp TS	Spread 9	6181+84	0.03	N	N
Temp TS	Spread 9	6183+40	0.15	N	N
Temp TS	Spread 9	6185+03	0.04	N	N
Temp ATWS	Spread 9	6185+22	0.06	N	N
Temp ATWS	Spread 9	6187+25	0.06	N	N
Temp TS	Spread 9	6188+39	0.06	N	N
Temp ATWS	Spread 9	6188+39	0.06	N	N
Temp ATWS	Spread 9	6190+42	0.06	N	N
Temp TS	Spread 9	6191+23	0.27	N	N
Temp TS	Spread 9	6201+64	0.77	N	N
Temp ATWS	Spread 9	6209+03	0.06	N	N
Temp ATWS	Spread 9	6209+19	0.06	N	N
Temp TS	Spread 9	6209+20	0.06	N	N
Temp ATWS	Spread 9	6210+61	0.05	N	N
Temp ATWS	Spread 9	6211+22	0.06	N	N
Temp TS	Spread 9	6211+28	0.05	N	N
Temp TS	Spread 9	6214+79	0.35	N	N
Temp TS	Spread 9	6224+22	0.66	N	N
Temp ATWS	Spread 9	6230+82	0.06	N	N
Temp ATWS	Spread 9	6231+09	0.06	N	N
Temp TS	Spread 9	6232+39	0.06	N	N
Temp ATWS	Spread 9	6232+40	0.06	N	N
Temp ATWS	Spread 9	6232+67	0.06	N	N
Temp TS	Spread 9	6240+80	1.28	N	N
Temp ATWS	Spread 9	6253+97	0.06	N	N
Temp ATWS	Spread 9	6254+75	0.06	N	N
Temp TS	Spread 9	6254+75	0.06	N	N
Temp ATWS	Spread 9	6262+65	0.06	N	N
Temp TS	Spread 9	6263+03	0.02	N	N
Temp ATWS	Spread 9	6263+15	0.05	N	N
Temp TS	Spread 9	6263+73	0.00	N	N
Temp TS	Spread 9	6264+62	0.01	N	N
Temp ATWS	Spread 9	6264+97	0.06	N	N
Temp TS	Spread 9	6265+23	0.06	N	N
Temp ATWS	Spread 9	6265+23	0.06	N	N
Temp ATWS	Spread 9	6269+59	0.03	N	N
Temp TS	Spread 9	6269+60	0.03	N	N
Temp ATWS	Spread 9	6270+97	0.05	N	N
Temp TS	Spread 9	6273+33	0.39	N	N
Temp ATWS	Spread 9	6277+20	0.17	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	6278+03	0.06	N	N
Temp ATWS	Spread 9	6285+01	0.06	N	N
Temp ATWS	Spread 9	6285+32	0.06	N	N
Temp TS	Spread 9	6293+43	0.59	N	N
Temp ATWS	Spread 9	6299+25	0.06	N	N
Temp ATWS	Spread 9	6299+43	0.06	N	N
Temp TS	Spread 9	6299+45	0.06	N	N
Temp TS	Spread 9	6300+81	0.06	N	N
Temp ATWS	Spread 9	6300+83	0.06	N	N
Temp ATWS	Spread 9	6301+01	0.06	N	N
Temp TS	Spread 9	6302+49	0.48	N	N
Temp ATWS	Spread 9	6308+85	0.06	N	N
Temp ATWS	Spread 9	6309+39	0.03	N	N
Temp ATWS	Spread 9	6310+45	0.06	N	N
Temp ATWS	Spread 9	6310+74	0.05	N	N
Temp ATWS	Spread 9	6314+72	0.06	N	N
Temp ATWS	Spread 9	6314+74	0.06	N	N
Temp ATWS	Spread 9	6319+80	0.06	N	N
Temp ATWS	Spread 9	6320+94	0.06	N	N
Temp ATWS	Spread 9	6337+65	0.06	N	N
Temp ATWS	Spread 9	6337+90	0.06	N	N
Temp ATWS	Spread 9	6356+36	0.06	N	N
Temp ATWS	Spread 9	6358+38	0.06	N	N
Temp ATWS	Spread 9	6363+67	0.06	N	N
Temp ATWS	Spread 9	6365+85	0.06	N	N
Temp ATWS	Spread 9	6376+50	0.06	N	N
Temp TS	Spread 9	6380+20	0.47	N	N
Temp ATWS	Spread 9	6384+85	0.06	N	N
Temp TS	Spread 9	6384+85	0.06	N	N
Temp TS	Spread 9	6394+31	0.12	N	N
Temp ATWS	Spread 9	6394+37	0.21	N	N
Temp TS	Spread 9	6397+94	0.30	N	N
Temp TS	Spread 9	6403+63	0.27	N	N
Temp ATWS	Spread 9	6408+73	0.19	N	N
Temp ATWS	Spread 9	6409+01	0.06	N	N
Temp ATWS	Spread 9	6423+41	0.06	N	N
Temp ATWS	Spread 9	6425+06	0.06	N	N
Temp TS	Spread 9	6435+28	0.82	N	N
Temp TS	Spread 9	6443+14	0.06	N	N
Temp ATWS	Spread 9	6443+14	0.06	N	N
Temp ATWS	Spread 9	6443+20	0.06	N	N
Temp TS	Spread 9	6444+75	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	6444+76	0.06	N	N
Temp ATWS	Spread 9	6444+83	0.06	N	N
Temp TS	Spread 9	6446+67	0.16	N	N
Temp ATWS	Spread 9	6448+68	0.06	N	N
Temp ATWS	Spread 9	6448+69	0.06	N	N
Temp ATWS	Spread 9	6451+17	0.06	N	N
Temp ATWS	Spread 9	6451+37	0.06	N	N
Temp TS	Spread 9	6465+25	0.94	N	N
Temp TS	Spread 9	6473+68	0.03	N	N
Temp ATWS	Spread 9	6473+89	0.06	N	N
Temp ATWS	Spread 9	6476+19	0.06	N	N
Temp TS	Spread 9	6477+88	0.06	N	N
Temp ATWS	Spread 9	6477+88	0.06	N	N
Temp ATWS	Spread 9	6478+44	0.06	N	N
Temp TS	Spread 9	6478+82	0.05	N	N
Temp TS	Spread 9	6479+74	0.05	N	N
Temp ATWS	Spread 9	6479+78	0.06	N	N
Temp ATWS	Spread 9	6480+26	0.06	N	N
Temp TS	Spread 9	6481+78	0.17	N	N
Temp ATWS	Spread 9	6481+85	0.22	N	N
Temp ATWS	Spread 9	6481+90	0.06	N	N
Temp TS	Spread 9	6483+63	0.17	N	N
Temp TS	Spread 9	6485+56	0.06	N	N
Temp ATWS	Spread 9	6485+58	0.06	N	N
Temp ATWS	Spread 9	6485+79	0.06	N	N
Temp ATWS	Spread 9	6487+69	0.06	N	N
Temp TS	Spread 9	6487+69	0.06	N	N
Temp ATWS	Spread 9	6487+93	0.06	N	N
Temp TS	Spread 9	6491+52	0.38	N	N
Temp ATWS	Spread 9	6495+08	0.06	N	N
Temp ATWS	Spread 9	6495+35	0.06	N	N
Temp TS	Spread 9	6495+37	0.06	N	N
Temp ATWS	Spread 9	6496+69	0.06	N	N
Temp ATWS	Spread 9	6496+96	0.06	N	N
Temp TS	Spread 9	6496+98	0.06	N	N
Temp TS	Spread 9	6507+39	1.75	N	N
Temp ATWS	Spread 9	6520+99	0.06	N	N
Temp ATWS	Spread 9	6526+28	0.75	N	N
Temp TS	Spread 9	6529+48	0.15	N	N
Temp ATWS	Spread 9	6529+59	0.28	N	N
Temp ATWS	Spread 9	6552+51	1.09	N	N
Temp ATWS	Spread 9	6555+42	0.10	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 9	6564+95	0.34	N	N
Temp ATWS	Spread 9	6680+74	0.06	N	N
Temp ATWS	Spread 9	6681+25	0.06	N	N
Temp TS	Spread 9	6684+79	0.24	N	N
Temp TS	Spread 9	6688+41	0.20	N	N
Temp ATWS	Spread 9	6688+48	0.35	N	N
Temp ATWS	Spread 9	6689+69	0.06	N	N
Temp ATWS	Spread 9	6691+36	0.06	Y	Y
Temp ATWS	Spread 9	6691+59	0.06	Y	Y
Temp TS	Spread 9	6691+61	0.05	Y	Y
Temp TS	Spread 10	6677+84	0.03	Y	Y
Temp TS	Spread 10	6678+57	0.06	Y	Y
Temp ATWS	Spread 10	6678+58	0.06	Y	Y
Temp ATWS	Spread 10	6678+61	0.06	Y	Y
Temp ATWS	Spread 10	6682+05	0.05	Y	Y
Temp TS	Spread 10	6682+93	0.15	Y	Y
Temp ATWS	Spread 10	6683+49	0.36	Y	Y
Temp ATWS	Spread 10	6685+38	0.06	Y	Y
Temp ATWS	Spread 10	6686+53	0.06	Y	Y
Temp TS	Spread 10	6691+28	0.50	Y	Y
Temp ATWS	Spread 10	6693+97	0.06	Y	Y
Temp TS	Spread 10	6696+16	0.06	Y	Y
Temp ATWS	Spread 10	6696+16	0.06	Y	Y
Temp ATWS	Spread 10	6700+99	0.06	Y	Y
Temp ATWS	Spread 10	6702+13	0.06	Y	Y
Temp ATWS	Spread 10	6703+19	0.06	Y	Y
Temp ATWS	Spread 10	6703+51	0.06	Y	Y
Temp ATWS	Spread 10	6707+84	0.06	Y	Y
Temp ATWS	Spread 10	6708+02	0.02	N	Y
Temp ATWS	Spread 10	6709+33	0.06	Y	Y
Temp ATWS	Spread 10	6709+39	0.06	Y	Y
Temp ATWS	Spread 10	6714+60	0.06	Y	Y
Temp ATWS	Spread 10	6715+22	0.06	Y	Y
Temp ATWS	Spread 10	6716+92	0.06	Y	Y
Temp ATWS	Spread 10	6718+30	0.06	Y	Y
Temp ATWS	Spread 10	6725+63	0.20	Y	Y
Temp ATWS	Spread 10	6727+23	0.06	Y	Y
Temp ATWS	Spread 10	6733+80	0.06	Y	Y
Temp ATWS	Spread 10	6734+82	0.27	Y	Y
Temp ATWS	Spread 10	6739+53	0.05	Y	Y
Temp ATWS	Spread 10	6740+18	0.06	Y	Y
Temp ATWS	Spread 10	6743+03	0.06	Y	Y

**TABLE C-1****Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	6743+31	0.06	Y	Y
Temp ATWS	Spread 10	6746+85	0.06	Y	Y
Temp ATWS	Spread 10	6746+89	0.06	Y	Y
Temp ATWS	Spread 10	6748+76	0.06	Y	Y
Temp ATWS	Spread 10	6748+77	0.06	Y	Y
Temp TS	Spread 10	6758+37	0.23	Y	Y
Temp ATWS	Spread 10	6759+01	6.20	Y	Y
Temp TS	Spread 10	6760+96	0.06	Y	Y
Temp ATWS	Spread 10	6760+96	0.06	Y	Y
Temp ATWS	Spread 10	6762+98	0.06	Y	Y
Temp TS	Spread 10	6762+99	0.06	Y	Y
Temp ATWS	Spread 10	6763+06	0.06	Y	Y
Temp TS	Spread 10	6764+93	0.17	Y	Y
Temp ATWS	Spread 10	6766+03	0.06	Y	Y
Temp ATWS	Spread 10	6766+87	0.06	Y	Y
Temp TS	Spread 10	6766+88	0.06	Y	Y
Temp ATWS	Spread 10	6770+87	0.06	Y	Y
Temp ATWS	Spread 10	6771+72	0.05	Y	Y
Temp TS	Spread 10	6777+91	0.70	Y	Y
Temp ATWS	Spread 10	6791+16	0.06	Y	Y
Temp ATWS	Spread 10	6791+70	0.06	Y	Y
Temp ATWS	Spread 10	6796+00	0.06	Y	Y
Temp ATWS	Spread 10	6796+01	0.06	Y	Y
Temp ATWS	Spread 10	6803+36	0.08	Y	Y
Temp ATWS	Spread 10	6820+14	0.06	Y	Y
Temp ATWS	Spread 10	6823+29	0.16	Y	Y
Temp ATWS	Spread 10	6823+56	0.06	Y	Y
Temp TS	Spread 10	6831+03	0.80	Y	Y
Temp ATWS	Spread 10	6838+57	0.06	Y	Y
Temp ATWS	Spread 10	6838+73	0.28	Y	Y
Temp ATWS	Spread 10	6840+18	0.06	Y	Y
Temp ATWS	Spread 10	6840+19	0.06	Y	Y
Temp ATWS	Spread 10	6846+93	0.06	Y	Y
Temp ATWS	Spread 10	6847+31	0.05	Y	Y
Temp ATWS	Spread 10	6848+97	0.20	N	N
Temp ATWS	Spread 10	6849+63	0.05	N	N
Temp ATWS	Spread 10	6854+25	0.06	N	N
Temp ATWS	Spread 10	6854+46	0.06	N	N
Temp ATWS	Spread 10	6856+41	0.06	N	N
Temp ATWS	Spread 10	6861+67	0.06	N	N
Temp ATWS	Spread 10	6871+80	0.06	N	N
Temp ATWS	Spread 10	6873+07	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	6877+16	0.06	N	N
Temp ATWS	Spread 10	6877+66	0.06	N	N
Temp ATWS	Spread 10	6881+22	0.06	N	N
Temp ATWS	Spread 10	6882+60	0.06	N	N
Temp ATWS	Spread 10	6886+55	0.04	N	N
Temp ATWS	Spread 10	6887+24	0.06	N	N
Temp TS	Spread 10	6887+24	0.06	N	N
Temp ATWS	Spread 10	6887+89	0.22	N	N
Temp TS	Spread 10	6896+74	0.98	N	N
Temp ATWS	Spread 10	6905+69	0.06	N	N
Temp ATWS	Spread 10	6907+64	0.06	N	N
Temp ATWS	Spread 10	6910+40	0.06	N	N
Temp ATWS	Spread 10	6920+76	0.05	N	N
Temp ATWS	Spread 10	6922+35	0.06	N	N
Temp ATWS	Spread 10	6922+42	0.06	N	N
Temp TS	Spread 10	6926+62	0.42	Y	Y
Temp ATWS	Spread 10	6930+91	0.23	Y	Y
Temp ATWS	Spread 10	6932+46	0.05	Y	Y
Temp ATWS	Spread 10	6934+10	0.03	Y	Y
Temp ATWS	Spread 10	6934+69	0.06	Y	Y
Temp TS	Spread 10	6934+69	0.06	Y	Y
Temp TS	Spread 10	6938+34	0.36	Y	Y
Temp ATWS	Spread 10	6941+81	0.06	Y	Y
Temp TS	Spread 10	6941+94	0.05	Y	Y
Temp ATWS	Spread 10	6941+98	0.06	Y	Y
Temp ATWS	Spread 10	6943+92	0.06	Y	Y
Temp TS	Spread 10	6944+65	0.06	Y	Y
Temp ATWS	Spread 10	6944+66	0.06	Y	Y
Temp TS	Spread 10	6949+96	0.56	Y	Y
Temp ATWS	Spread 10	6969+93	0.06	Y	Y
Temp ATWS	Spread 10	6971+26	0.06	Y	Y
Temp ATWS	Spread 10	6975+79	0.06	Y	Y
Temp ATWS	Spread 10	6976+02	0.06	Y	Y
Temp TS	Spread 10	6998+00	0.85	Y	Y
Temp ATWS	Spread 10	7014+63	0.06	Y	Y
Temp ATWS	Spread 10	7014+95	0.06	Y	Y
Temp ATWS	Spread 10	7017+52	0.06	Y	Y
Temp ATWS	Spread 10	7017+62	0.06	Y	Y
Temp TS	Spread 10	7017+62	0.06	Y	Y
Temp TS	Spread 10	7020+88	0.32	Y	Y
Temp ATWS	Spread 10	7024+43	0.05	Y	Y
Temp TS	Spread 10	7024+56	0.04	Y	Y



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	7027+02	0.06	Y	Y
Temp ATWS	Spread 10	7031+84	0.05	Y	Y
Temp ATWS	Spread 10	7055+33	0.06	Y	Y
Temp ATWS	Spread 10	7055+91	0.06	Y	Y
Temp ATWS	Spread 10	7059+95	0.06	Y	Y
Temp ATWS	Spread 10	7061+34	0.06	Y	Y
Temp ATWS	Spread 10	7063+97	0.06	Y	Y
Temp ATWS	Spread 10	7065+47	0.06	Y	Y
Temp TS	Spread 10	7076+29	0.33	Y	Y
Temp ATWS	Spread 10	7078+88	0.06	Y	Y
Temp ATWS	Spread 10	7079+66	0.06	Y	Y
Temp ATWS	Spread 10	7081+28	0.06	Y	Y
Temp ATWS	Spread 10	7082+08	0.06	Y	Y
Temp TS	Spread 10	7083+09	0.02	Y	Y
Temp ATWS	Spread 10	7083+76	0.06	Y	Y
Temp TS	Spread 10	7083+76	0.06	Y	Y
Temp ATWS	Spread 10	7085+24	0.06	Y	Y
Temp ATWS	Spread 10	7088+03	0.06	Y	Y
Temp TS	Spread 10	7096+62	0.15	Y	Y
Temp ATWS	Spread 10	7099+78	0.06	Y	Y
Temp ATWS	Spread 10	7099+91	0.06	Y	Y
Temp ATWS	Spread 10	7107+95	0.06	Y	Y
Temp ATWS	Spread 10	7109+72	0.06	Y	Y
Temp ATWS	Spread 10	7111+47	0.06	Y	Y
Temp TS	Spread 10	7115+98	0.48	Y	Y
Temp TS	Spread 10	7120+69	0.06	Y	Y
Temp ATWS	Spread 10	7120+69	0.06	Y	Y
Temp ATWS	Spread 10	7122+89	0.06	Y	Y
Temp TS	Spread 10	7122+89	0.06	Y	Y
Temp ATWS	Spread 10	7123+26	0.06	Y	Y
Temp TS	Spread 10	7127+71	0.46	Y	Y
Temp ATWS	Spread 10	7131+59	0.00	Y	Y
Temp ATWS	Spread 10	7131+95	0.42	Y	Y
Temp TS	Spread 10	7132+16	0.05	Y	Y
Temp ATWS	Spread 10	7132+17	0.06	Y	Y
Temp ATWS	Spread 10	7134+95	0.06	N	N
Temp ATWS	Spread 10	7135+13	0.06	N	N
Temp TS	Spread 10	7135+14	0.05	N	N
Temp TS	Spread 10	7138+16	0.29	N	N
Temp TS	Spread 10	7141+01	0.04	N	N
Temp ATWS	Spread 10	7141+19	0.06	N	N
Temp ATWS	Spread 10	7143+15	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	7145+58	0.06	Y	Y
Temp ATWS	Spread 10	7146+82	0.11	Y	Y
Temp ATWS	Spread 10	7147+05	0.06	Y	Y
Temp ATWS	Spread 10	7150+09	0.06	Y	Y
Temp ATWS	Spread 10	7150+39	0.06	Y	Y
Temp ATWS	Spread 10	7161+26	0.06	Y	Y
Temp ATWS	Spread 10	7161+94	0.05	Y	Y
Temp ATWS	Spread 10	7163+67	0.06	Y	Y
Temp TS	Spread 10	7163+67	0.06	Y	Y
Temp ATWS	Spread 10	7164+81	0.06	N	Y
Temp TS	Spread 10	7165+84	0.19	N	Y
Temp ATWS	Spread 10	7167+61	0.06	N	Y
Temp ATWS	Spread 10	7168+01	0.06	N	Y
Temp TS	Spread 10	7168+01	0.06	N	Y
Temp TS	Spread 10	7177+97	0.44	Y	Y
Temp ATWS	Spread 10	7182+32	0.06	Y	Y
Temp ATWS	Spread 10	7182+32	0.06	Y	Y
Temp TS	Spread 10	7182+32	0.06	Y	Y
Temp ATWS	Spread 10	7184+11	0.02	Y	Y
Temp TS	Spread 10	7184+31	0.06	Y	Y
Temp ATWS	Spread 10	7184+31	0.06	Y	Y
Temp TS	Spread 10	7186+76	0.22	Y	Y
Temp ATWS	Spread 10	7197+86	0.14	Y	Y
Temp ATWS	Spread 10	7197+86	0.06	Y	Y
Temp ATWS	Spread 10	7201+10	0.19	Y	Y
Temp ATWS	Spread 10	7201+12	0.06	Y	Y
Temp TS	Spread 10	7204+31	0.38	Y	Y
Temp ATWS	Spread 10	7208+62	0.03	Y	Y
Temp ATWS	Spread 10	7209+17	0.06	Y	Y
Temp TS	Spread 10	7209+17	0.06	Y	Y
Temp ATWS	Spread 10	7210+80	0.06	Y	Y
Temp TS	Spread 10	7210+80	0.06	Y	Y
Temp ATWS	Spread 10	7211+60	0.06	Y	Y
Temp TS	Spread 10	7227+01	1.43	Y	Y
Temp TS	Spread 10	7243+59	0.47	N	N
Temp ATWS	Spread 10	7248+49	0.04	N	N
Temp ATWS	Spread 10	7248+63	0.06	N	N
Temp TS	Spread 10	7248+65	0.06	N	N
Temp ATWS	Spread 10	7251+52	0.06	Y	Y
Temp TS	Spread 10	7251+52	0.06	Y	Y
Temp ATWS	Spread 10	7253+08	0.06	N	Y
Temp TS	Spread 10	7257+28	0.76	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	7266+21	0.05	N	Y
Temp ATWS	Spread 10	7266+25	0.06	N	Y
Temp TS	Spread 10	7266+25	0.06	N	Y
Temp TS	Spread 10	7267+77	0.06	Y	Y
Temp ATWS	Spread 10	7267+78	0.06	Y	Y
Temp ATWS	Spread 10	7267+82	0.06	Y	Y
Temp TS	Spread 10	7270+46	1.46	Y	Y
Temp TS	Spread 10	7298+39	0.26	N	N
Temp ATWS	Spread 10	7302+12	0.06	N	N
Temp ATWS	Spread 10	7302+21	0.24	N	N
Temp ATWS	Spread 10	7330+93	0.36	N	N
Temp ATWS	Spread 10	7360+50	0.06	N	N
Temp ATWS	Spread 10	7364+26	0.06	N	N
Temp ATWS	Spread 10	7372+20	0.06	N	N
Temp ATWS	Spread 10	7373+35	0.15	N	N
Temp ATWS	Spread 10	7378+87	0.17	N	N
Temp ATWS	Spread 10	7404+25	0.05	N	N
Temp TS	Spread 10	7404+31	0.05	N	N
Temp ATWS	Spread 10	7405+76	0.24	N	N
Temp TS	Spread 10	7405+80	0.13	N	N
Temp TS	Spread 10	7408+35	0.45	N	N
Temp TS	Spread 10	7415+00	0.09	N	N
Temp ATWS	Spread 10	7415+35	0.35	N	N
Temp ATWS	Spread 10	7423+50	0.06	N	N
Temp TS	Spread 10	7423+56	0.05	N	N
Temp TS	Spread 10	7428+07	0.47	N	N
Temp ATWS	Spread 10	7432+64	0.06	N	N
Temp ATWS	Spread 10	7476+17	0.12	N	N
Temp ATWS	Spread 10	7478+82	0.06	N	N
Temp ATWS	Spread 10	7480+43	0.06	N	N
Temp ATWS	Spread 10	7492+78	0.06	N	N
Temp ATWS	Spread 10	7499+47	0.06	N	N
Temp ATWS	Spread 10	7502+47	0.06	N	N
Temp ATWS	Spread 10	7509+76	0.24	N	N
Temp ATWS	Spread 10	7526+36	0.21	Y	Y
Temp ATWS	Spread 10	7586+70	0.48	Y	Y
Temp ATWS	Spread 10	7607+93	0.15	Y	Y
Temp ATWS	Spread 10	7612+82	0.05	N	N
Temp TS	Spread 10	7616+88	0.42	N	N
Temp ATWS	Spread 10	7619+60	0.05	N	N
Temp ATWS	Spread 10	7619+76	0.05	N	N
Temp ATWS	Spread 10	7624+58	0.03	N	N

**TABLE C-1**

**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	7627+79	0.06	N	N
Temp TS	Spread 10	7635+67	0.23	N	N
Temp TS	Spread 10	7643+65	0.12	N	N
Temp TS	Spread 10	7646+25	0.00	N	N
Temp TS	Spread 10	7651+80	0.16	N	N
Temp ATWS	Spread 10	7668+93	0.09	N	N
Temp ATWS	Spread 10	7672+59	0.06	N	N
Temp ATWS	Spread 10	7674+30	0.06	N	N
Temp ATWS	Spread 10	7677+23	0.06	N	N
Temp TS	Spread 10	7680+78	0.12	N	N
Temp ATWS	Spread 10	7682+29	0.06	N	N
Temp TS	Spread 10	7682+29	0.06	N	N
Temp ATWS	Spread 10	7684+90	0.06	N	N
Temp TS	Spread 10	7694+17	0.13	N	Y
Temp ATWS	Spread 10	7695+79	0.06	N	Y
Temp TS	Spread 10	7695+80	0.06	N	Y
Temp ATWS	Spread 10	7701+93	0.17	Y	Y
Temp ATWS	Spread 10	7722+98	0.02	Y	Y
Temp ATWS	Spread 10	7743+40	0.06	Y	Y
Temp TS	Spread 10	7761+00	0.09	Y	Y
Temp ATWS	Spread 10	7772+53	0.05	Y	Y
Temp ATWS	Spread 10	7774+05	0.01	Y	Y
Temp ATWS	Spread 10	7831+28	0.06	N	N
Temp ATWS	Spread 10	7834+56	0.32	N	N
Temp TS	Spread 10	7837+00	0.05	N	N
Temp TS	Spread 10	7837+65	0.05	N	N
Temp ATWS	Spread 10	7837+75	0.06	N	N
Temp ATWS	Spread 10	7844+86	0.06	N	N
Temp TS	Spread 10	7844+92	0.06	N	N
Temp TS	Spread 10	7846+32	0.14	N	N
Temp TS	Spread 10	7852+57	0.36	N	N
Temp ATWS	Spread 10	7856+18	0.06	N	N
Temp TS	Spread 10	7856+18	0.06	N	N
Temp ATWS	Spread 10	7858+56	0.06	N	N
Temp TS	Spread 10	7858+61	0.05	N	N
Temp TS	Spread 10	7859+78	0.09	N	N
Temp ATWS	Spread 10	7861+82	0.05	Y	Y
Temp ATWS	Spread 10	7864+24	0.06	N	Y
Temp TS	Spread 10	7864+33	0.05	N	Y
Temp TS	Spread 10	7865+64	0.10	N	Y
Temp ATWS	Spread 10	7867+00	0.05	N	Y
Temp TS	Spread 10	7867+07	0.06	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	7869+66	0.06	Y	Y
Temp ATWS	Spread 10	7884+17	0.06	Y	Y
Temp ATWS	Spread 10	7894+37	0.23	N	Y
Temp ATWS	Spread 10	7920+90	0.06	Y	Y
Temp ATWS	Spread 10	7929+06	0.06	Y	Y
Temp ATWS	Spread 10	7942+40	0.06	Y	Y
Temp ATWS	Spread 10	7957+37	0.05	Y	Y
Temp ATWS	Spread 10	7959+17	0.07	Y	Y
Temp TS	Spread 10	7959+17	0.06	Y	Y
Temp ATWS	Spread 10	7961+78	0.06	N	N
Temp TS	Spread 10	7964+85	0.16	N	N
Temp TS	Spread 10	7967+81	0.02	Y	Y
Temp TS	Spread 10	7968+37	0.05	Y	Y
Temp ATWS	Spread 10	7968+42	0.05	Y	Y
Temp TS	Spread 10	7969+97	0.06	Y	Y
Temp ATWS	Spread 10	7970+01	0.05	Y	Y
Temp TS	Spread 10	7974+81	0.50	Y	Y
Temp ATWS	Spread 10	7984+27	0.06	Y	Y
Temp ATWS	Spread 10	7984+78	0.00	N	N
Temp ATWS	Spread 10	8029+00	0.05	N	N
Temp ATWS	Spread 10	8030+82	0.05	N	N
Temp ATWS	Spread 10	8039+55	0.06	Y	Y
Temp TS	Spread 10	8047+22	0.72	Y	Y
Temp ATWS	Spread 10	8063+44	0.06	Y	Y
Temp ATWS	Spread 10	8065+06	0.06	Y	Y
Temp TS	Spread 10	8069+46	0.24	Y	Y
Temp ATWS	Spread 10	8072+06	0.06	Y	Y
Temp ATWS	Spread 10	8079+51	0.06	Y	Y
Temp TS	Spread 10	8079+51	0.06	Y	Y
Temp TS	Spread 10	8089+40	0.96	Y	Y
Temp TS	Spread 10	8103+56	1.21	Y	Y
Temp ATWS	Spread 10	8120+00	0.04	Y	Y
Temp TS	Spread 10	8122+15	0.20	N	N
Temp ATWS	Spread 10	8124+41	0.06	N	N
Temp TS	Spread 10	8124+41	0.06	N	N
Temp ATWS	Spread 10	8127+02	0.05	Y	Y
Temp ATWS	Spread 10	8136+29	0.06	N	N
Temp ATWS	Spread 10	8138+44	0.06	Y	Y
Temp TS	Spread 10	8138+48	0.05	N	N
Temp TS	Spread 10	8139+36	0.05	Y	Y
Temp TS	Spread 10	8145+63	0.19	Y	Y
Temp ATWS	Spread 10	8151+40	0.05	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	8156+97	0.06	N	N
Temp ATWS	Spread 10	8159+34	0.06	N	N
Temp ATWS	Spread 10	8181+84	0.06	N	N
Temp ATWS	Spread 10	8194+01	0.13	Y	Y
Temp ATWS	Spread 10	8200+89	0.06	Y	Y
Temp ATWS	Spread 10	8206+26	0.06	Y	Y
Temp ATWS	Spread 10	8210+65	0.08	Y	Y
Temp ATWS	Spread 10	8211+21	0.08	Y	Y
Temp ATWS	Spread 10	8213+75	0.06	Y	Y
Temp ATWS	Spread 10	8214+96	0.06	Y	Y
Temp ATWS	Spread 10	8221+44	0.06	Y	Y
Temp ATWS	Spread 10	8235+10	0.20	Y	Y
Temp ATWS	Spread 10	8243+45	0.09	Y	Y
Temp ATWS	Spread 10	8245+94	0.28	Y	Y
Temp ATWS	Spread 10	8252+61	0.06	Y	Y
Temp ATWS	Spread 10	8255+91	0.06	Y	Y
Temp ATWS	Spread 10	8260+13	0.06	Y	Y
Temp ATWS	Spread 10	8265+97	0.06	Y	Y
Temp ATWS	Spread 10	8267+76	0.06	Y	Y
Temp ATWS	Spread 10	8269+86	0.06	Y	Y
Temp ATWS	Spread 10	8277+99	0.06	Y	Y
Temp ATWS	Spread 10	8280+27	0.41	Y	Y
Temp ATWS	Spread 10	8283+17	0.06	Y	Y
Temp ATWS	Spread 10	8286+06	0.35	Y	Y
Temp ATWS	Spread 10	8313+41	0.72	Y	Y
Temp ATWS	Spread 10	8318+44	0.01	N	Y
Temp ATWS	Spread 10	8318+68	0.06	Y	Y
Temp TS	Spread 10	8318+68	0.06	N	Y
Temp ATWS	Spread 10	8319+11	0.03	N	Y
Temp TS	Spread 10	8320+93	0.20	N	Y
Temp ATWS	Spread 10	8327+36	0.06	Y	Y
Temp ATWS	Spread 10	8330+59	0.12	Y	Y
Temp ATWS	Spread 10	8353+86	0.04	N	N
Temp ATWS	Spread 10	8356+54	0.06	Y	Y
Temp ATWS	Spread 10	8361+35	0.13	Y	Y
Temp ATWS	Spread 10	8370+33	0.06	N	Y
Temp ATWS	Spread 10	8397+58	0.16	Y	Y
Temp ATWS	Spread 10	8404+95	0.21	Y	Y
Temp ATWS	Spread 10	8408+82	0.05	N	Y
Temp ATWS	Spread 10	8410+06	0.23	Y	Y
Temp ATWS	Spread 10	8426+36	0.06	Y	Y
Temp ATWS	Spread 10	8454+34	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	8459+72	0.05	Y	Y
Temp ATWS	Spread 10	8461+48	0.05	Y	Y
Temp ATWS	Spread 10	8479+78	0.06	Y	Y
Temp ATWS	Spread 10	8488+27	0.06	Y	Y
Temp ATWS	Spread 10	8489+01	0.06	Y	Y
Temp TS	Spread 10	8498+07	0.57	Y	Y
Temp TS	Spread 10	8505+32	0.20	Y	Y
Temp ATWS	Spread 10	8507+24	0.06	Y	Y
Temp TS	Spread 10	8507+24	0.06	Y	Y
Temp ATWS	Spread 10	8508+83	0.06	Y	Y
Temp TS	Spread 10	8508+83	0.06	Y	Y
Temp TS	Spread 10	8519+68	1.19	Y	Y
Temp ATWS	Spread 10	8530+27	0.22	N	N
Temp TS	Spread 10	8530+27	0.11	N	N
Temp TS	Spread 10	8533+43	0.10	N	N
Temp ATWS	Spread 10	8533+47	0.17	N	N
Temp ATWS	Spread 10	8556+46	0.06	N	N
Temp ATWS	Spread 10	8562+20	0.06	N	N
Temp ATWS	Spread 10	8570+37	0.05	N	N
Temp ATWS	Spread 10	8574+40	0.06	N	N
Temp ATWS	Spread 10	8584+60	0.06	Y	Y
Temp ATWS	Spread 10	8586+23	0.06	N	N
Temp ATWS	Spread 10	8592+19	0.05	N	N
Temp ATWS	Spread 10	8593+91	0.05	N	N
Temp TS	Spread 10	8597+31	0.34	Y	Y
Temp ATWS	Spread 10	8600+86	0.06	N	Y
Temp ATWS	Spread 10	8614+15	0.06	Y	Y
Temp TS	Spread 10	8616+24	0.23	Y	Y
Temp ATWS	Spread 10	8663+01	0.11	N	N
Temp ATWS	Spread 10	8663+49	0.06	N	N
Temp TS	Spread 10	8672+48	1.03	N	N
Temp ATWS	Spread 10	8681+93	0.06	Y	Y
Temp ATWS	Spread 10	8681+94	0.06	N	N
Temp ATWS	Spread 10	8687+70	0.06	Y	Y
Temp ATWS	Spread 10	8687+81	0.06	Y	Y
Temp ATWS	Spread 10	8703+52	0.05	Y	Y
Temp ATWS	Spread 10	8704+13	0.03	Y	Y
Temp ATWS	Spread 10	8704+64	0.01	Y	Y
Temp TS	Spread 10	8705+74	0.06	Y	Y
Temp ATWS	Spread 10	8705+77	0.06	Y	Y
Temp ATWS	Spread 10	8705+88	0.06	Y	Y
Temp TS	Spread 10	8711+23	0.55	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 10	8718+70	0.27	Y	Y
Temp ATWS	Spread 10	8721+53	0.06	N	Y
Temp TS	Spread 10	8721+53	0.06	N	Y
Temp ATWS	Spread 10	8722+69	0.06	N	Y
Temp TS	Spread 10	8724+09	0.06	N	Y
Temp ATWS	Spread 10	8724+10	0.06	N	Y
Temp ATWS	Spread 10	8725+14	0.06	N	Y
Temp TS	Spread 10	8726+98	0.27	N	Y
Temp ATWS	Spread 10	8735+49	0.06	Y	Y
Temp ATWS	Spread 10	8735+53	0.06	Y	Y
Temp ATWS	Spread 10	8780+19	0.06	N	N
Temp ATWS	Spread 10	8781+54	0.05	Y	Y
Temp TS	Spread 10	8782+25	0.11	Y	Y
Temp TS	Spread 10	8798+79	1.19	N	Y
Temp ATWS	Spread 10	8818+92	0.06	Y	Y
Temp ATWS	Spread 10	8819+18	0.06	Y	Y
Temp ATWS	Spread 10	8822+14	0.06	N	N
Temp TS	Spread 10	8822+14	0.06	N	N
Temp ATWS	Spread 10	8822+38	0.06	N	N
Temp TS	Spread 10	8827+19	0.52	N	N
Temp TS	Spread 10	8832+95	0.14	N	N
Temp ATWS	Spread 10	8832+97	0.51	N	N
Temp TS	Spread 10	8835+75	0.18	N	N
Temp ATWS	Spread 10	8838+18	0.22	N	N
Temp TS	Spread 10	8838+18	0.11	N	N
Temp ATWS	Spread 10	8838+55	0.06	N	N
Temp TS	Spread 10	8842+55	0.06	N	N
Temp ATWS	Spread 10	8842+56	0.06	N	N
Temp ATWS	Spread 10	8843+03	0.10	Y	Y
Temp TS	Spread 10	8843+49	0.05	N	N
Temp ATWS	Spread 10	8844+42	0.06	Y	Y
Temp ATWS	Spread 10	8846+85	0.06	Y	Y
Temp ATWS	Spread 10	8847+43	0.06	Y	Y
Temp TS	Spread 10	8848+18	0.10	N	Y
Temp ATWS	Spread 10	8849+15	0.05	N	Y
Temp ATWS	Spread 10	8849+56	0.21	N	Y
Temp TS	Spread 10	8849+56	0.14	N	Y
Temp TS	Spread 10	8851+21	0.06	N	Y
Temp ATWS	Spread 10	8851+22	0.06	N	Y
Temp ATWS	Spread 10	8851+30	0.06	N	Y
Temp TS	Spread 10	8864+90	1.44	N	Y
Temp ATWS	Spread 10	8877+96	0.06	N	Y



**TABLE C-1****Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 10	8877+96	0.06	N	Y
Temp ATWS	Spread 10	8878+06	0.06	N	Y
Temp ATWS	Spread 10	8896+12	0.06	N	Y
Temp TS	Spread 10	8897+04	0.16	N	Y
Temp ATWS	Spread 10	8897+07	0.32	Y	Y
Temp ATWS	Spread 10	8898+67	0.06	Y	Y
Temp ATWS	Spread 10	8924+79	0.05	Y	Y
Temp ATWS	Spread 10	8925+23	0.25	Y	Y
Temp ATWS	Spread 10	8937+12	0.06	Y	Y
Temp ATWS	Spread 10	8939+02	0.06	Y	Y
Temp ATWS	Spread 10	8952+04	0.06	Y	Y
Temp ATWS	Spread 10	8953+82	0.06	Y	Y
Temp ATWS	Spread 10	8955+45	0.29	Y	Y
Temp ATWS	Spread 10	8957+75	0.06	Y	Y
Temp ATWS	Spread 10	8958+12	0.06	Y	Y
Temp ATWS	Spread 10	8959+51	0.06	Y	Y
Temp ATWS	Spread 10	8970+56	0.06	Y	Y
Temp ATWS	Spread 10	8971+26	0.06	Y	Y
Temp TS	Spread 10	8971+26	0.06	Y	Y
Temp TS	Spread 10	8974+65	0.33	N	N
Temp ATWS	Spread 10	8982+68	0.06	N	N
Temp ATWS	Spread 10	8983+52	0.06	N	N
Temp TS	Spread 10	8988+04	0.13	N	N
Temp ATWS	Spread 10	8988+21	0.06	N	N
Temp ATWS	Spread 10	8989+78	0.06	N	N
Temp ATWS	Spread 10	8990+35	0.06	N	N
Temp ATWS	Spread 10	8993+34	0.06	N	N
Temp ATWS	Spread 10	8994+56	0.06	N	N
Temp ATWS	Spread 10	8999+82	0.06	N	Y
Temp ATWS	Spread 10	8999+90	0.06	N	N
Temp TS	Spread 10	9001+71	0.05	N	N
Temp ATWS	Spread 10	9001+78	0.05	N	N
Temp ATWS	Spread 10	9001+82	0.04	N	N
Temp TS	Spread 10	9008+08	0.69	N	N
Temp ATWS	Spread 10	9020+84	0.03	N	N
Temp ATWS	Spread 10	9023+41	0.06	N	N
Temp ATWS	Spread 10	9057+05	0.16	Y	Y
Temp ATWS	Spread 10	9062+17	0.17	Y	Y
Temp ATWS	Spread 10	9062+55	0.30	Y	Y
Temp TS	Spread 10	9069+04	0.67	N	Y
Temp ATWS	Spread 10	9076+34	0.06	N	Y
Temp TS	Spread 10	9076+34	0.06	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	9076+39	0.05	N	Y
Temp ATWS	Spread 10	9077+93	0.06	Y	Y
Temp ATWS	Spread 10	9078+02	0.06	Y	Y
Temp TS	Spread 10	9087+93	0.54	Y	Y
Temp ATWS	Spread 10	9093+34	0.06	N	Y
Temp TS	Spread 10	9093+34	0.06	N	Y
Temp ATWS	Spread 10	9094+23	0.06	Y	Y
Temp ATWS	Spread 10	9125+76	0.06	N	Y
Temp ATWS	Spread 10	9125+81	0.06	N	Y
Temp ATWS	Spread 10	9143+33	0.06	N	N
Temp TS	Spread 10	9143+33	0.06	N	N
Temp ATWS	Spread 10	9144+80	0.06	N	N
Temp TS	Spread 10	9152+36	0.90	N	N
Temp ATWS	Spread 10	9159+19	0.05	N	N
Temp ATWS	Spread 10	9159+88	0.05	N	N
Temp TS	Spread 10	9159+88	0.05	N	N
Temp ATWS	Spread 10	9161+46	0.05	Y	Y
Temp ATWS	Spread 10	9162+69	0.05	Y	Y
Temp TS	Spread 10	9170+20	0.15	Y	Y
Temp TS	Spread 10	9171+97	0.06	N	Y
Temp ATWS	Spread 10	9171+98	0.06	N	Y
Temp TS	Spread 10	9173+58	0.06	N	Y
Temp ATWS	Spread 10	9173+60	0.06	N	Y
Temp ATWS	Spread 10	9174+96	0.65	N	Y
Temp TS	Spread 10	9176+00	0.22	N	Y
Temp TS	Spread 10	9177+86	0.04	N	Y
Temp ATWS	Spread 10	9178+01	0.06	Y	Y
Temp ATWS	Spread 10	9203+90	0.06	Y	Y
Temp ATWS	Spread 10	9204+79	0.23	Y	Y
Temp ATWS	Spread 10	9215+37	0.06	Y	Y
Temp ATWS	Spread 10	9215+40	0.06	Y	Y
Temp TS	Spread 10	9216+96	0.06	N	Y
Temp ATWS	Spread 10	9216+97	0.06	N	Y
Temp ATWS	Spread 10	9217+00	0.06	N	Y
Temp TS	Spread 10	9217+67	0.02	N	Y
Temp TS	Spread 10	9218+36	0.06	N	Y
Temp ATWS	Spread 10	9218+37	0.06	Y	Y
Temp ATWS	Spread 10	9219+38	0.06	Y	Y
Temp ATWS	Spread 10	9223+63	0.06	N	N
Temp ATWS	Spread 10	9224+85	0.06	N	N
Temp TS	Spread 10	9224+95	0.05	N	N
Temp TS	Spread 10	9227+77	0.28	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	9230+58	0.06	N	N
Temp ATWS	Spread 10	9230+75	0.06	N	N
Temp TS	Spread 10	9230+75	0.06	N	N
Temp ATWS	Spread 10	9249+90	0.05	Y	Y
Temp ATWS	Spread 10	9251+13	0.35	Y	Y
Temp ATWS	Spread 10	9253+14	0.06	Y	Y
Temp ATWS	Spread 10	9262+24	0.06	N	N
Temp ATWS	Spread 10	9263+21	0.06	N	N
Temp TS	Spread 10	9263+28	0.05	N	N
Temp TS	Spread 10	9266+46	0.44	N	N
Temp ATWS	Spread 10	9269+76	0.06	N	N
Temp TS	Spread 10	9270+19	0.09	N	N
Temp ATWS	Spread 10	9272+66	0.06	N	N
Temp TS	Spread 10	9272+66	0.06	N	N
Temp ATWS	Spread 10	9273+64	0.06	N	N
Temp TS	Spread 10	9273+64	0.06	N	N
Temp TS	Spread 10	9274+67	0.06	N	N
Temp ATWS	Spread 10	9275+69	0.06	N	N
Temp TS	Spread 10	9275+69	0.06	N	N
Temp ATWS	Spread 10	9302+93	0.11	Y	Y
Temp ATWS	Spread 10	9303+02	0.05	Y	Y
Temp ATWS	Spread 10	9325+59	0.06	Y	Y
Temp ATWS	Spread 10	9326+31	0.06	Y	Y
Temp ATWS	Spread 10	9327+80	0.06	Y	Y
Temp ATWS	Spread 10	9328+39	0.06	Y	Y
Temp ATWS	Spread 10	9334+00	0.06	Y	Y
Temp ATWS	Spread 10	9334+71	0.06	Y	Y
Temp ATWS	Spread 10	9342+55	0.31	Y	Y
Temp ATWS	Spread 10	9343+16	0.06	Y	Y
Temp TS	Spread 10	9343+25	0.06	Y	Y
Temp ATWS	Spread 10	9344+76	0.06	N	Y
Temp ATWS	Spread 10	9345+40	0.25	N	Y
Temp TS	Spread 10	9345+42	0.12	N	Y
Temp TS	Spread 10	9347+26	0.09	N	Y
Temp ATWS	Spread 10	9349+69	0.34	Y	Y
Temp TS	Spread 10	9349+70	0.18	Y	Y
Temp ATWS	Spread 10	9352+13	0.06	Y	Y
Temp ATWS	Spread 10	9352+57	0.06	Y	Y
Temp ATWS	Spread 10	9389+06	0.06	Y	Y
Temp ATWS	Spread 10	9391+71	0.38	Y	Y
Temp TS	Spread 10	9396+73	0.14	Y	Y
Temp TS	Spread 10	9404+91	0.34	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	9407+94	0.06	N	Y
Temp ATWS	Spread 10	9408+34	0.06	N	Y
Temp TS	Spread 10	9408+38	0.06	N	Y
Temp TS	Spread 10	9409+50	0.06	N	N
Temp ATWS	Spread 10	9409+53	0.06	N	N
Temp ATWS	Spread 10	9409+93	0.06	N	N
Temp TS	Spread 10	9413+32	0.41	N	N
Temp TS	Spread 10	9420+31	0.15	Y	Y
Temp TS	Spread 10	9421+97	0.04	Y	Y
Temp ATWS	Spread 10	9422+09	0.05	Y	Y
Temp ATWS	Spread 10	9422+83	0.06	Y	Y
Temp TS	Spread 10	9424+15	0.06	N	Y
Temp ATWS	Spread 10	9424+18	0.06	N	Y
Temp ATWS	Spread 10	9424+34	0.05	N	Y
Temp TS	Spread 10	9428+98	0.63	Y	Y
Temp ATWS	Spread 10	9437+24	0.06	Y	Y
Temp ATWS	Spread 10	9437+55	0.06	Y	Y
Temp ATWS	Spread 10	9457+92	0.06	Y	Y
Temp ATWS	Spread 10	9459+13	0.06	Y	Y
Temp TS	Spread 10	9466+06	0.58	N	Y
Temp TS	Spread 10	9471+63	0.06	N	Y
Temp ATWS	Spread 10	9471+64	0.06	N	Y
Temp ATWS	Spread 10	9471+69	0.06	N	Y
Temp ATWS	Spread 10	9473+65	0.06	Y	Y
Temp ATWS	Spread 10	9473+70	0.06	Y	Y
Temp ATWS	Spread 10	9483+47	0.06	Y	Y
Temp ATWS	Spread 10	9483+85	0.06	Y	Y
Temp ATWS	Spread 10	9489+30	0.09	Y	Y
Temp ATWS	Spread 10	9489+32	0.11	Y	Y
Temp TS	Spread 10	9491+17	0.06	N	Y
Temp ATWS	Spread 10	9491+18	0.06	N	Y
Temp ATWS	Spread 10	9491+36	0.06	N	Y
Temp TS	Spread 10	9492+84	0.16	N	Y
Temp ATWS	Spread 10	9499+24	0.06	Y	Y
Temp ATWS	Spread 10	9528+31	0.21	N	N
Temp TS	Spread 10	9536+34	0.22	N	N
Temp TS	Spread 10	9538+67	0.39	N	N
Temp TS	Spread 10	9557+05	0.11	N	N
Temp ATWS	Spread 10	9564+45	0.06	Y	Y
Temp ATWS	Spread 10	9564+51	0.04	Y	Y
Temp ATWS	Spread 10	9565+67	0.06	Y	Y
Temp ATWS	Spread 10	9565+72	0.06	Y	Y

**TABLE C-1**

**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 10	9567+26	0.06	N	Y
Temp ATWS	Spread 10	9567+27	0.06	N	Y
Temp ATWS	Spread 10	9567+32	0.06	N	Y
Temp TS	Spread 10	9568+79	0.12	N	Y
Temp TS	Spread 10	9578+96	1.00	N	N
Temp TS	Spread 10	9594+18	0.32	N	N
Temp ATWS	Spread 10	9605+78	0.15	Y	Y
Temp ATWS	Spread 10	9607+37	0.36	Y	Y
Temp TS	Spread 10	9608+51	0.26	Y	Y
Temp ATWS	Spread 10	9609+97	0.06	N	N
Temp TS	Spread 10	9609+97	0.06	N	N
Temp TS	Spread 10	9611+28	0.09	N	N
Temp TS	Spread 10	9621+04	1.12	Y	Y
Temp ATWS	Spread 10	9630+63	0.06	N	N
Temp ATWS	Spread 10	9631+01	0.06	N	N
Temp TS	Spread 10	9631+04	0.06	N	N
Temp ATWS	Spread 10	9633+54	0.06	N	N
Temp ATWS	Spread 10	9633+90	0.06	N	N
Temp TS	Spread 10	9633+94	0.05	N	N
Temp TS	Spread 10	9639+58	0.59	N	N
Temp ATWS	Spread 10	9645+03	0.06	N	N
Temp ATWS	Spread 10	9645+18	0.06	N	N
Temp TS	Spread 10	9645+19	0.06	N	N
Temp ATWS	Spread 10	9646+64	0.06	N	N
Temp ATWS	Spread 10	9646+78	0.06	N	N
Temp TS	Spread 10	9646+80	0.06	N	N
Temp TS	Spread 10	9656+75	1.06	N	N
Temp TS	Spread 10	9666+37	0.06	N	N
Temp ATWS	Spread 10	9666+40	0.06	N	N
Temp ATWS	Spread 10	9666+74	0.06	N	N
Temp ATWS	Spread 10	9668+47	0.06	N	Y
Temp ATWS	Spread 10	9668+78	0.06	N	Y
Temp TS	Spread 10	9668+81	0.05	N	Y
Temp TS	Spread 10	9677+53	0.95	Y	Y
Temp TS	Spread 10	9691+03	0.47	Y	Y
Temp TS	Spread 10	9703+48	0.86	Y	Y
Temp TS	Spread 10	9711+39	0.06	N	N
Temp ATWS	Spread 10	9711+41	0.06	N	N
Temp ATWS	Spread 10	9711+49	0.06	N	N
Temp ATWS	Spread 10	9713+02	0.06	Y	Y
Temp ATWS	Spread 10	9713+09	0.06	Y	Y
Temp ATWS	Spread 10	9715+97	0.06	Y	Y

**TABLE C-1**

**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 10	9716+01	0.06	Y	Y
Temp ATWS	Spread 10	9733+94	0.06	Y	Y
Temp ATWS	Spread 10	9734+51	0.06	Y	Y
Temp ATWS	Spread 10	9736+45	0.06	Y	Y
Temp ATWS	Spread 10	9736+83	0.06	Y	Y
Temp TS	Spread 10	9740+21	0.29	N	Y
Temp ATWS	Spread 10	9743+21	0.05	N	N
Temp TS	Spread 10	9743+51	0.09	N	N
Temp ATWS	Spread 10	9744+25	0.06	N	N
Temp ATWS	Spread 10	9745+79	0.05	N	N
Temp ATWS	Spread 10	9746+29	0.03	N	N
Temp TS	Spread 10	9749+07	0.32	N	N
Temp ATWS	Spread 10	9752+37	0.06	N	N
Temp TS	Spread 10	9752+37	0.06	N	N
Temp TS	Spread 10	9755+87	0.06	N	N
Temp ATWS	Spread 10	9755+88	0.06	N	N
Temp ATWS	Spread 10	9756+37	0.00	N	N
Temp TS	Spread 10	9757+43	0.12	N	N
Temp ATWS	Spread 10	9758+98	0.06	N	N
Temp TS	Spread 10	9758+99	0.06	N	N
Temp ATWS	Spread 10	9767+64	0.05	N	N
Temp TS	Spread 10	9767+64	0.05	N	N
Temp TS	Spread 10	9769+08	0.14	N	N
Temp ATWS	Spread 10	9769+82	0.06	N	N
Temp TS	Spread 10	9772+87	0.29	N	N
Temp ATWS	Spread 10	9787+27	0.06	N	Y
Temp TS	Spread 10	9787+83	0.71	N	Y
Temp ATWS	Spread 10	9794+48	0.06	N	Y
Temp TS	Spread 10	9794+48	0.06	N	Y
Temp ATWS	Spread 10	9796+85	0.06	Y	Y
Temp TS	Spread 10	9796+85	0.06	N	Y
Temp ATWS	Spread 10	9797+64	0.06	N	Y
Temp TS	Spread 10	9801+42	0.47	N	Y
Temp TS	Spread 10	9805+93	0.05	N	Y
Temp ATWS	Spread 10	9806+00	0.06	N	Y
Temp TS	Spread 10	9806+76	0.03	N	Y
Temp ATWS	Spread 10	9807+51	0.06	N	Y
Temp TS	Spread 10	9807+51	0.06	N	Y
Temp ATWS	Spread 10	9814+77	0.06	Y	Y
Temp TS	Spread 10	9814+77	0.06	N	Y
Temp ATWS	Spread 10	9814+78	0.06	N	Y
Temp TS	Spread 10	9820+12	0.76	N	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 10	9828+16	0.02	N	Y
Temp ATWS	Spread 11	100+69	0.06	N	Y
Temp ATWS	Spread 11	100+89	0.06	N	Y
Temp TS	Spread 11	100+92	0.06	N	Y
Temp ATWS	Spread 11	1002+23	0.29	N	N
Temp ATWS	Spread 11	1009+89	0.06	N	N
Temp ATWS	Spread 11	1009+92	0.06	N	N
Temp ATWS	Spread 11	1013+10	0.06	N	N
Temp ATWS	Spread 11	1013+19	0.06	N	N
Temp ATWS	Spread 11	1019+89	0.06	N	N
Temp ATWS	Spread 11	1019+89	0.06	N	N
Temp ATWS	Spread 11	102+30	0.06	N	Y
Temp ATWS	Spread 11	102+51	0.06	N	Y
Temp TS	Spread 11	102+54	0.05	N	Y
Temp ATWS	Spread 11	1023+81	0.06	N	N
Temp ATWS	Spread 11	1024+74	0.06	N	N
Temp TS	Spread 11	1027+12	0.12	N	N
Temp TS	Spread 11	1035+19	0.83	N	N
Temp ATWS	Spread 11	1043+05	0.06	N	N
Temp ATWS	Spread 11	1043+36	0.06	N	N
Temp TS	Spread 11	1045+12	0.06	N	N
Temp ATWS	Spread 11	1045+16	0.06	N	N
Temp ATWS	Spread 11	1045+46	0.06	N	N
Temp TS	Spread 11	105+73	0.32	Y	Y
Temp TS	Spread 11	1051+13	0.65	N	N
Temp ATWS	Spread 11	1064+58	0.06	N	N
Temp ATWS	Spread 11	1068+77	0.06	N	N
Temp TS	Spread 11	1077+73	0.59	N	N
Temp ATWS	Spread 11	1083+39	0.06	N	N
Temp ATWS	Spread 11	1086+11	0.06	N	N
Temp ATWS	Spread 11	1098+02	0.06	N	N
Temp ATWS	Spread 11	1101+21	0.06	N	N
Temp ATWS	Spread 11	1107+11	0.06	N	N
Temp ATWS	Spread 11	1107+73	0.05	N	N
Temp ATWS	Spread 11	1108+65	0.06	N	N
Temp ATWS	Spread 11	111+45	0.06	Y	Y
Temp ATWS	Spread 11	111+79	0.06	N	N
Temp ATWS	Spread 11	1117+78	0.06	N	N
Temp ATWS	Spread 11	1133+78	0.05	N	N
Temp TS	Spread 11	1141+73	0.38	N	N
Temp ATWS	Spread 11	115+83	0.06	Y	Y
Temp ATWS	Spread 11	115+95	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1156+35	0.06	N	N
Temp ATWS	Spread 11	1166+84	0.56	N	N
Temp ATWS	Spread 11	1171+89	0.22	N	N
Temp ATWS	Spread 11	1171+98	0.06	N	N
Temp ATWS	Spread 11	1172+23	0.06	N	N
Temp ATWS	Spread 11	1173+30	0.06	N	N
Temp ATWS	Spread 11	1173+60	0.06	N	N
Temp ATWS	Spread 11	1173+64	0.06	N	N
Temp TS	Spread 11	1174+72	0.07	N	N
Temp ATWS	Spread 11	1175+81	0.06	N	N
Temp ATWS	Spread 11	1176+03	0.06	N	N
Temp ATWS	Spread 11	1177+96	0.06	N	N
Temp ATWS	Spread 11	1178+18	0.06	N	N
Temp TS	Spread 11	1181+99	0.41	N	N
Temp ATWS	Spread 11	1186+02	0.06	N	N
Temp ATWS	Spread 11	1186+13	0.06	N	N
Temp ATWS	Spread 11	1188+04	0.06	N	N
Temp ATWS	Spread 11	1189+46	0.06	N	N
Temp ATWS	Spread 11	1190+87	0.06	N	N
Temp TS	Spread 11	1194+42	0.65	N	N
Temp ATWS	Spread 11	1200+11	0.06	N	N
Temp ATWS	Spread 11	1200+58	0.06	N	N
Temp ATWS	Spread 11	1202+41	0.06	N	N
Temp ATWS	Spread 11	1203+23	0.10	N	N
Temp ATWS	Spread 11	1212+43	0.06	N	N
Temp ATWS	Spread 11	1218+16	0.06	N	N
Temp TS	Spread 11	1220+53	0.30	N	N
Temp ATWS	Spread 11	1223+38	0.05	N	N
Temp ATWS	Spread 11	1223+66	0.06	N	N
Temp ATWS	Spread 11	1226+25	0.06	N	N
Temp ATWS	Spread 11	1226+42	0.06	N	N
Temp TS	Spread 11	1230+39	0.40	N	N
Temp TS	Spread 11	1242+66	0.38	N	N
Temp ATWS	Spread 11	1246+36	0.06	N	N
Temp TS	Spread 11	1246+37	0.06	N	N
Temp ATWS	Spread 11	1246+55	0.06	N	N
Temp ATWS	Spread 11	1249+74	0.12	N	N
Temp ATWS	Spread 11	1250+00	0.11	N	N
Temp ATWS	Spread 11	1251+43	0.05	N	N
Temp ATWS	Spread 11	1252+08	0.06	N	N
Temp ATWS	Spread 11	1257+43	0.06	N	N
Temp ATWS	Spread 11	1257+79	0.06	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1266+19	0.06	N	N
Temp ATWS	Spread 11	1266+50	0.06	N	N
Temp TS	Spread 11	1268+37	0.28	N	N
Temp TS	Spread 11	1282+07	0.80	N	N
Temp ATWS	Spread 11	1288+22	0.06	N	N
Temp TS	Spread 11	1288+44	0.05	N	N
Temp ATWS	Spread 11	1288+45	0.05	N	N
Temp TS	Spread 11	1289+78	0.06	N	N
Temp ATWS	Spread 11	1289+79	0.06	N	N
Temp ATWS	Spread 11	1289+88	0.06	N	N
Temp TS	Spread 11	1291+09	0.09	N	N
Temp ATWS	Spread 11	1291+96	0.06	N	N
Temp ATWS	Spread 11	1292+36	0.06	N	N
Temp ATWS	Spread 11	1294+87	0.06	N	N
Temp ATWS	Spread 11	1295+32	0.06	N	N
Temp TS	Spread 11	1298+66	0.09	N	N
Temp ATWS	Spread 11	1300+20	0.06	N	N
Temp ATWS	Spread 11	1300+79	0.06	N	N
Temp ATWS	Spread 11	1303+23	0.06	N	N
Temp ATWS	Spread 11	1303+53	0.06	N	N
Temp TS	Spread 11	1307+25	0.37	N	N
Temp ATWS	Spread 11	131+68	0.06	Y	Y
Temp ATWS	Spread 11	131+85	0.06	Y	Y
Temp ATWS	Spread 11	1314+07	0.48	N	N
Temp ATWS	Spread 11	1318+75	0.06	N	N
Temp ATWS	Spread 11	1319+40	0.02	N	N
Temp ATWS	Spread 11	1320+12	0.03	N	N
Temp ATWS	Spread 11	1320+87	0.06	N	N
Temp ATWS	Spread 11	1321+18	0.06	N	N
Temp TS	Spread 11	1323+47	0.20	N	N
Temp ATWS	Spread 11	133+19	0.03	N	N
Temp ATWS	Spread 11	133+45	0.06	N	N
Temp ATWS	Spread 11	1333+96	0.06	N	N
Temp ATWS	Spread 11	1334+55	0.06	N	N
Temp ATWS	Spread 11	1337+31	0.06	N	N
Temp ATWS	Spread 11	1337+46	0.06	N	N
Temp ATWS	Spread 11	1343+44	0.06	N	N
Temp ATWS	Spread 11	1345+23	0.06	N	N
Temp ATWS	Spread 11	1349+97	0.06	N	N
Temp ATWS	Spread 11	1350+78	0.12	N	N
Temp TS	Spread 11	1355+95	0.05	N	N
Temp ATWS	Spread 11	1356+07	0.07	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1357+64	0.07	N	N
Temp TS	Spread 11	1358+18	0.08	N	N
Temp ATWS	Spread 11	1358+33	0.07	N	N
Temp ATWS	Spread 11	1359+29	0.05	N	N
Temp ATWS	Spread 11	1359+99	0.10	N	N
Temp TS	Spread 11	1361+07	0.18	N	N
Temp TS	Spread 11	1365+65	0.79	N	N
Temp TS	Spread 11	1378+31	0.40	N	N
Temp ATWS	Spread 11	138+67	0.06	Y	Y
Temp ATWS	Spread 11	138+89	0.06	Y	Y
Temp ATWS	Spread 11	1382+32	0.06	N	N
Temp ATWS	Spread 11	1383+15	0.06	N	N
Temp ATWS	Spread 11	1385+15	0.06	N	N
Temp ATWS	Spread 11	1386+20	0.06	N	N
Temp TS	Spread 11	1399+44	1.51	N	N
Temp ATWS	Spread 11	1413+51	0.06	N	N
Temp ATWS	Spread 11	1413+52	0.06	N	N
Temp ATWS	Spread 11	1416+90	0.06	N	N
Temp ATWS	Spread 11	1417+98	0.09	N	N
Temp ATWS	Spread 11	1420+86	0.10	N	N
Temp ATWS	Spread 11	1421+53	0.10	N	N
Temp ATWS	Spread 11	1423+81	0.03	N	N
Temp ATWS	Spread 11	1431+48	0.08	N	N
Temp ATWS	Spread 11	1431+51	0.06	N	N
Temp ATWS	Spread 11	1433+46	0.06	N	N
Temp TS	Spread 11	1433+46	0.06	N	N
Temp ATWS	Spread 11	1433+47	0.05	N	N
Temp TS	Spread 11	1434+54	0.11	N	N
Temp ATWS	Spread 11	1436+02	0.06	N	N
Temp ATWS	Spread 11	1436+27	0.06	N	N
Temp ATWS	Spread 11	1437+91	0.05	N	N
Temp ATWS	Spread 11	1439+27	0.06	N	N
Temp TS	Spread 11	1443+94	0.53	N	N
Temp ATWS	Spread 11	1452+58	0.06	N	N
Temp ATWS	Spread 11	1453+73	0.06	N	N
Temp ATWS	Spread 11	1453+73	0.06	N	N
Temp ATWS	Spread 11	1460+59	0.06	N	N
Temp ATWS	Spread 11	1460+62	0.06	N	N
Temp TS	Spread 11	147+08	0.50	N	Y
Temp ATWS	Spread 11	1472+16	0.06	N	N
Temp ATWS	Spread 11	1472+52	0.06	N	N
Temp ATWS	Spread 11	1479+28	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1480+02	0.06	N	N
Temp ATWS	Spread 11	1483+78	0.06	N	N
Temp ATWS	Spread 11	1484+50	0.06	N	N
Temp ATWS	Spread 11	1486+77	0.06	N	N
Temp ATWS	Spread 11	1487+21	0.05	N	N
Temp ATWS	Spread 11	1491+71	0.06	N	N
Temp ATWS	Spread 11	1499+30	0.06	N	N
Temp ATWS	Spread 11	1505+66	0.06	N	N
Temp ATWS	Spread 11	1505+81	0.06	N	N
Temp ATWS	Spread 11	1509+03	0.06	N	N
Temp ATWS	Spread 11	151+94	0.06	N	Y
Temp ATWS	Spread 11	1515+71	0.17	N	N
Temp ATWS	Spread 11	1521+46	0.05	N	N
Temp ATWS	Spread 11	1525+61	0.06	N	N
Temp ATWS	Spread 11	1528+41	0.06	N	N
Temp ATWS	Spread 11	1528+61	0.06	N	N
Temp ATWS	Spread 11	153+84	0.06	N	Y
Temp ATWS	Spread 11	1530+59	0.06	N	N
Temp ATWS	Spread 11	1530+78	0.06	N	N
Temp ATWS	Spread 11	1531+30	0.34	N	N
Temp TS	Spread 11	1534+33	0.36	N	N
Temp ATWS	Spread 11	1549+58	0.07	N	N
Temp ATWS	Spread 11	1550+43	0.05	N	N
Temp ATWS	Spread 11	1552+88	0.04	N	N
Temp ATWS	Spread 11	1555+25	0.18	Y	Y
Temp ATWS	Spread 11	1555+35	0.06	N	N
Temp ATWS	Spread 11	156+37	0.06	N	Y
Temp ATWS	Spread 11	156+48	0.06	N	Y
Temp TS	Spread 11	1561+80	0.17	Y	Y
Temp ATWS	Spread 11	1561+90	0.06	N	Y
Temp ATWS	Spread 11	1562+78	0.06	N	Y
Temp ATWS	Spread 11	1568+73	0.12	Y	Y
Temp ATWS	Spread 11	1568+76	0.11	Y	Y
Temp ATWS	Spread 11	1579+33	0.06	N	N
Temp ATWS	Spread 11	1579+50	0.06	N	N
Temp TS	Spread 11	1579+51	0.06	N	N
Temp TS	Spread 11	1585+04	0.58	N	N
Temp ATWS	Spread 11	1589+21	0.06	N	N
Temp TS	Spread 11	159+01	0.23	Y	Y
Temp ATWS	Spread 11	1590+12	0.06	N	N
Temp ATWS	Spread 11	1593+92	0.05	Y	Y
Temp ATWS	Spread 11	1598+52	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1599+35	0.06	Y	Y
Temp ATWS	Spread 11	1605+78	0.12	Y	Y
Temp ATWS	Spread 11	1605+88	0.04	Y	Y
Temp ATWS	Spread 11	1607+18	0.06	N	N
Temp ATWS	Spread 11	1607+77	0.06	N	N
Temp TS	Spread 11	1607+83	0.05	N	N
Temp TS	Spread 11	1613+25	0.55	N	N
Temp TS	Spread 11	1622+81	0.50	N	N
Temp ATWS	Spread 11	1627+92	0.06	N	Y
Temp ATWS	Spread 11	1632+47	0.06	N	N
Temp ATWS	Spread 11	1633+07	0.06	N	N
Temp TS	Spread 11	1647+61	1.63	N	N
Temp ATWS	Spread 11	1662+39	0.06	N	N
Temp ATWS	Spread 11	1662+56	0.06	N	N
Temp TS	Spread 11	1664+28	0.06	N	N
Temp ATWS	Spread 11	1664+30	0.06	N	N
Temp TS	Spread 11	1665+08	0.03	N	Y
Temp TS	Spread 11	1675+31	1.10	N	Y
Temp ATWS	Spread 11	1684+48	0.06	N	N
Temp ATWS	Spread 11	1686+38	0.06	N	N
Temp TS	Spread 11	169+00	0.19	N	Y
Temp ATWS	Spread 11	1692+95	0.06	N	N
Temp ATWS	Spread 11	1692+95	0.06	N	N
Temp ATWS	Spread 11	1692+95	0.11	N	N
Temp TS	Spread 11	1696+51	0.35	N	N
Temp ATWS	Spread 11	1699+98	0.10	N	N
Temp ATWS	Spread 11	1700+14	0.15	N	N
Temp ATWS	Spread 11	1700+27	0.06	N	N
Temp ATWS	Spread 11	1700+82	0.01	N	N
Temp ATWS	Spread 11	171+54	0.06	N	Y
Temp ATWS	Spread 11	171+54	0.06	N	Y
Temp TS	Spread 11	171+55	0.06	N	Y
Temp ATWS	Spread 11	1710+12	0.20	N	N
Temp ATWS	Spread 11	1710+13	0.19	N	N
Temp ATWS	Spread 11	1721+24	0.06	N	N
Temp ATWS	Spread 11	1722+53	0.06	N	N
Temp ATWS	Spread 11	173+14	0.06	N	N
Temp TS	Spread 11	173+15	0.06	N	N
Temp ATWS	Spread 11	173+58	0.06	N	N
Temp TS	Spread 11	175+64	0.30	N	N
Temp ATWS	Spread 11	1756+25	1.92	Y	Y
Temp ATWS	Spread 11	1757+84	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1759+65	0.03	N	N
Temp ATWS	Spread 11	1759+72	0.04	N	N
Temp ATWS	Spread 11	1760+75	0.06	N	Y
Temp ATWS	Spread 11	1760+90	0.06	N	Y
Temp TS	Spread 11	1762+51	0.14	N	Y
Temp ATWS	Spread 11	1763+87	0.06	Y	Y
Temp ATWS	Spread 11	1764+29	0.06	Y	Y
Temp ATWS	Spread 11	1766+21	0.06	Y	Y
Temp ATWS	Spread 11	1766+51	0.06	Y	Y
Temp TS	Spread 11	1768+28	0.14	N	Y
Temp ATWS	Spread 11	1776+24	0.06	Y	Y
Temp ATWS	Spread 11	1776+51	0.06	Y	Y
Temp ATWS	Spread 11	1778+67	0.06	Y	Y
Temp ATWS	Spread 11	1778+87	0.04	Y	Y
Temp ATWS	Spread 11	178+66	0.06	N	N
Temp ATWS	Spread 11	178+67	0.06	N	N
Temp TS	Spread 11	178+67	0.06	N	N
Temp ATWS	Spread 11	1780+95	0.06	Y	Y
Temp ATWS	Spread 11	1781+36	0.06	Y	Y
Temp ATWS	Spread 11	1784+52	0.06	Y	Y
Temp ATWS	Spread 11	1784+92	0.06	Y	Y
Temp ATWS	Spread 11	1786+01	0.06	Y	Y
Temp ATWS	Spread 11	1786+27	0.06	Y	Y
Temp ATWS	Spread 11	1791+15	0.06	N	N
Temp ATWS	Spread 11	1791+28	0.06	N	N
Temp ATWS	Spread 11	1796+46	0.06	N	N
Temp ATWS	Spread 11	1797+14	0.06	N	N
Temp ATWS	Spread 11	180+26	0.06	Y	Y
Temp ATWS	Spread 11	180+27	0.06	Y	Y
Temp ATWS	Spread 11	1801+53	0.06	N	N
Temp ATWS	Spread 11	1803+03	0.06	N	N
Temp TS	Spread 11	1810+84	0.79	N	N
Temp ATWS	Spread 11	1817+29	0.06	N	N
Temp ATWS	Spread 11	1818+07	0.06	N	N
Temp ATWS	Spread 11	1819+86	0.06	N	N
Temp ATWS	Spread 11	1820+64	0.06	N	N
Temp TS	Spread 11	1822+54	0.16	N	N
Temp ATWS	Spread 11	1824+13	0.06	N	N
Temp ATWS	Spread 11	1824+45	0.06	N	N
Temp ATWS	Spread 11	1826+30	0.06	N	N
Temp ATWS	Spread 11	1826+62	0.06	N	N
Temp TS	Spread 11	1830+49	0.35	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1832+72	0.06	N	N
Temp ATWS	Spread 11	1834+12	0.06	N	N
Temp ATWS	Spread 11	1836+05	0.05	N	N
Temp ATWS	Spread 11	1837+90	0.04	N	N
Temp ATWS	Spread 11	1840+35	0.05	N	N
Temp ATWS	Spread 11	1840+89	0.06	N	N
Temp ATWS	Spread 11	1842+02	0.06	N	N
Temp ATWS	Spread 11	1846+39	0.05	N	N
Temp ATWS	Spread 11	1846+81	0.06	N	N
Temp TS	Spread 11	185+36	0.08	Y	Y
Temp ATWS	Spread 11	186+54	0.06	N	Y
Temp ATWS	Spread 11	1867+63	0.04	N	N
Temp ATWS	Spread 11	1868+04	0.16	N	N
Temp ATWS	Spread 11	187+49	0.06	N	Y
Temp ATWS	Spread 11	1875+47	0.11	N	N
Temp ATWS	Spread 11	1876+24	0.17	N	N
Temp ATWS	Spread 11	189+65	0.06	Y	Y
Temp ATWS	Spread 11	190+40	0.06	Y	Y
Temp ATWS	Spread 11	1902+74	0.06	Y	Y
Temp ATWS	Spread 11	1902+78	0.05	Y	Y
Temp ATWS	Spread 11	1905+10	0.06	Y	Y
Temp ATWS	Spread 11	1905+30	0.06	Y	Y
Temp ATWS	Spread 11	1905+77	0.17	Y	Y
Temp ATWS	Spread 11	1924+67	0.06	Y	Y
Temp ATWS	Spread 11	1924+90	0.06	Y	Y
Temp ATWS	Spread 11	1927+19	0.06	N	N
Temp ATWS	Spread 11	1927+34	0.06	N	N
Temp TS	Spread 11	1927+39	0.05	N	N
Temp TS	Spread 11	1932+00	0.48	N	N
Temp TS	Spread 11	1938+03	0.10	N	N
Temp ATWS	Spread 11	1938+36	0.06	N	N
Temp ATWS	Spread 11	1940+15	0.06	N	N
Temp ATWS	Spread 11	1942+43	0.05	N	N
Temp ATWS	Spread 11	1943+33	0.06	N	N
Temp TS	Spread 11	1943+43	0.05	N	N
Temp TS	Spread 11	1951+74	0.91	N	N
Temp ATWS	Spread 11	1960+19	0.06	N	N
Temp ATWS	Spread 11	1960+44	0.06	N	N
Temp TS	Spread 11	1960+44	0.06	N	N
Temp ATWS	Spread 11	1966+46	0.06	N	N
Temp ATWS	Spread 11	1966+89	0.06	N	N
Temp TS	Spread 11	1972+21	0.42	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	1976+34	0.06	N	N
Temp ATWS	Spread 11	1976+39	0.06	N	N
Temp ATWS	Spread 11	1979+72	0.06	N	N
Temp TS	Spread 11	1979+72	0.06	N	N
Temp TS	Spread 11	198+76	0.82	Y	Y
Temp ATWS	Spread 11	1980+25	0.06	N	N
Temp TS	Spread 11	1981+33	0.13	N	N
Temp TS	Spread 11	1982+92	0.06	N	N
Temp ATWS	Spread 11	1982+95	0.06	N	N
Temp ATWS	Spread 11	1983+24	0.06	N	N
Temp ATWS	Spread 11	1992+72	0.05	N	N
Temp ATWS	Spread 11	1994+03	0.10	N	N
Temp ATWS	Spread 11	1994+86	0.06	N	N
Temp ATWS	Spread 11	1997+49	0.06	N	N
Temp ATWS	Spread 11	1997+75	0.06	N	N
Temp ATWS	Spread 11	1999+12	0.06	N	N
Temp ATWS	Spread 11	1999+41	0.06	N	N
Temp ATWS	Spread 11	2002+38	0.06	N	N
Temp ATWS	Spread 11	2002+39	0.06	N	N
Temp ATWS	Spread 11	2004+67	0.06	N	N
Temp ATWS	Spread 11	2004+89	0.05	N	N
Temp ATWS	Spread 11	2008+31	0.06	N	N
Temp TS	Spread 11	2008+43	0.06	N	N
Temp ATWS	Spread 11	2008+44	0.06	N	N
Temp TS	Spread 11	2013+40	0.50	N	N
Temp TS	Spread 11	2017+95	0.05	N	N
Temp ATWS	Spread 11	2017+97	0.06	N	N
Temp ATWS	Spread 11	2018+20	0.06	N	N
Temp ATWS	Spread 11	2020+70	0.03	N	N
Temp ATWS	Spread 11	2027+15	0.25	N	N
Temp ATWS	Spread 11	2027+31	0.02	N	N
Temp ATWS	Spread 11	2028+31	0.06	N	N
Temp TS	Spread 11	2028+34	0.06	N	N
Temp ATWS	Spread 11	2029+07	0.05	N	N
Temp TS	Spread 11	2030+32	0.63	N	N
Temp ATWS	Spread 11	2030+82	0.72	N	N
Temp ATWS	Spread 11	2061+46	1.29	Y	Y
Temp ATWS	Spread 11	2071+82	0.19	Y	Y
Temp ATWS	Spread 11	2072+05	0.50	Y	Y
Temp ATWS	Spread 11	2076+30	0.31	N	Y
Temp TS	Spread 11	2080+03	0.33	N	N
Temp ATWS	Spread 11	2083+43	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2085+58	0.04	N	N
Temp ATWS	Spread 11	2088+54	0.06	N	N
Temp ATWS	Spread 11	2088+75	0.06	N	N
Temp TS	Spread 11	2090+21	0.13	N	N
Temp ATWS	Spread 11	2092+01	0.06	N	N
Temp ATWS	Spread 11	2092+12	0.06	N	N
Temp ATWS	Spread 11	2099+37	0.06	N	N
Temp ATWS	Spread 11	2099+39	0.06	N	N
Temp TS	Spread 11	210+25	0.41	Y	Y
Temp TS	Spread 11	2100+88	0.12	N	N
Temp ATWS	Spread 11	2102+43	0.06	N	N
Temp ATWS	Spread 11	2102+57	0.06	N	N
Temp ATWS	Spread 11	2104+94	0.07	N	N
Temp ATWS	Spread 11	2108+03	0.06	N	N
Temp ATWS	Spread 11	2108+31	0.06	N	N
Temp TS	Spread 11	2110+18	0.16	N	N
Temp ATWS	Spread 11	2111+91	0.06	N	N
Temp ATWS	Spread 11	2111+92	0.06	N	N
Temp ATWS	Spread 11	2115+07	0.15	N	N
Temp ATWS	Spread 11	2115+28	0.14	N	N
Temp ATWS	Spread 11	2117+54	0.09	N	N
Temp ATWS	Spread 11	2117+55	0.07	N	N
Temp ATWS	Spread 11	2120+04	0.06	N	N
Temp ATWS	Spread 11	2120+22	0.06	N	N
Temp ATWS	Spread 11	2123+66	0.06	N	N
Temp ATWS	Spread 11	2124+04	0.06	N	N
Temp ATWS	Spread 11	2126+56	0.06	N	N
Temp ATWS	Spread 11	2127+29	0.07	N	N
Temp ATWS	Spread 11	2127+96	0.06	N	N
Temp ATWS	Spread 11	2130+96	0.06	N	N
Temp ATWS	Spread 11	2131+32	0.06	N	N
Temp TS	Spread 11	2137+55	0.35	N	N
Temp TS	Spread 11	2142+16	0.10	N	N
Temp TS	Spread 11	2147+89	0.36	N	N
Temp ATWS	Spread 11	215+13	0.07	N	Y
Temp TS	Spread 11	2150+49	0.04	N	N
Temp ATWS	Spread 11	2150+58	0.05	N	N
Temp ATWS	Spread 11	2151+21	0.06	N	N
Temp TS	Spread 11	2152+10	0.07	N	N
Temp ATWS	Spread 11	2152+19	0.06	N	N
Temp ATWS	Spread 11	2152+82	0.05	N	N
Temp TS	Spread 11	2159+08	0.73	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	216+36	0.06	N	Y
Temp ATWS	Spread 11	2171+51	0.06	N	N
Temp ATWS	Spread 11	2172+25	0.06	N	N
Temp ATWS	Spread 11	2174+81	0.06	N	N
Temp ATWS	Spread 11	2175+26	0.07	N	N
Temp ATWS	Spread 11	2177+12	0.06	N	N
Temp ATWS	Spread 11	2177+55	0.05	N	N
Temp ATWS	Spread 11	2177+88	0.14	N	N
Temp ATWS	Spread 11	2178+87	0.06	N	N
Temp ATWS	Spread 11	218+60	0.06	N	Y
Temp TS	Spread 11	218+60	0.06	N	Y
Temp ATWS	Spread 11	2181+81	0.05	N	N
Temp ATWS	Spread 11	2182+55	0.06	N	N
Temp ATWS	Spread 11	2188+38	0.07	N	N
Temp ATWS	Spread 11	219+34	0.06	N	Y
Temp ATWS	Spread 11	2190+98	0.06	N	N
Temp ATWS	Spread 11	2191+05	0.06	N	N
Temp ATWS	Spread 11	2193+88	0.17	N	N
Temp ATWS	Spread 11	2194+53	0.06	N	N
Temp ATWS	Spread 11	2195+07	0.06	N	N
Temp ATWS	Spread 11	2199+76	0.12	N	N
Temp ATWS	Spread 11	2199+81	0.07	N	N
Temp TS	Spread 11	2215+30	1.05	N	N
Temp ATWS	Spread 11	2221+72	0.06	N	N
Temp ATWS	Spread 11	2223+15	0.06	N	N
Temp ATWS	Spread 11	2223+26	0.06	N	N
Temp TS	Spread 11	2223+27	0.06	N	N
Temp TS	Spread 11	2229+00	0.74	N	N
Temp ATWS	Spread 11	2238+00	0.06	N	N
Temp ATWS	Spread 11	2238+01	0.06	N	N
Temp ATWS	Spread 11	2245+62	0.06	N	N
Temp ATWS	Spread 11	2247+63	0.06	N	N
Temp TS	Spread 11	2253+54	0.53	N	N
Temp ATWS	Spread 11	2260+88	0.06	N	N
Temp ATWS	Spread 11	2261+63	0.06	N	N
Temp ATWS	Spread 11	2264+52	0.06	N	N
Temp ATWS	Spread 11	2265+09	0.06	N	N
Temp TS	Spread 11	227+48	1.02	N	Y
Temp TS	Spread 11	2270+94	0.06	N	N
Temp TS	Spread 11	2274+51	0.93	N	N
Temp ATWS	Spread 11	2281+98	0.06	N	N
Temp ATWS	Spread 11	2285+08	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2287+73	0.10	N	N
Temp ATWS	Spread 11	2287+88	0.06	N	N
Temp ATWS	Spread 11	2288+40	0.05	N	N
Temp TS	Spread 11	2294+97	0.74	N	N
Temp ATWS	Spread 11	2314+39	0.06	N	N
Temp ATWS	Spread 11	2315+19	0.06	N	N
Temp ATWS	Spread 11	2317+07	0.06	N	N
Temp ATWS	Spread 11	2318+18	0.06	N	N
Temp ATWS	Spread 11	2332+34	0.06	N	N
Temp ATWS	Spread 11	2338+78	0.06	N	N
Temp ATWS	Spread 11	2338+90	0.06	N	N
Temp ATWS	Spread 11	2341+01	0.06	N	N
Temp ATWS	Spread 11	2341+48	0.06	N	N
Temp ATWS	Spread 11	2349+66	0.06	N	N
Temp ATWS	Spread 11	2352+11	0.07	N	N
Temp ATWS	Spread 11	2353+22	0.07	N	N
Temp ATWS	Spread 11	2353+74	0.06	N	N
Temp ATWS	Spread 11	2354+77	0.06	N	N
Temp TS	Spread 11	2356+45	0.22	N	N
Temp ATWS	Spread 11	2358+70	0.06	N	N
Temp ATWS	Spread 11	2359+16	0.06	N	N
Temp ATWS	Spread 11	2371+60	0.06	N	N
Temp ATWS	Spread 11	2371+94	0.06	N	N
Temp TS	Spread 11	2374+79	0.31	N	N
Temp TS	Spread 11	2384+63	0.39	N	N
Temp ATWS	Spread 11	2393+49	0.06	N	N
Temp ATWS	Spread 11	2394+18	0.06	N	N
Temp ATWS	Spread 11	2397+62	0.06	N	N
Temp ATWS	Spread 11	2407+95	0.06	N	N
Temp ATWS	Spread 11	2414+33	0.04	N	N
Temp ATWS	Spread 11	2415+50	0.05	N	N
Temp ATWS	Spread 11	2415+55	0.04	N	N
Temp ATWS	Spread 11	2416+15	0.18	N	N
Temp TS	Spread 11	242+33	0.14	Y	Y
Temp ATWS	Spread 11	2428+06	0.06	N	N
Temp ATWS	Spread 11	2429+15	0.06	N	N
Temp TS	Spread 11	2429+22	0.08	N	N
Temp ATWS	Spread 11	2430+38	0.06	N	N
Temp ATWS	Spread 11	2432+13	0.06	N	N
Temp ATWS	Spread 11	2433+19	0.06	N	N
Temp ATWS	Spread 11	2435+80	0.06	N	N
Temp ATWS	Spread 11	2436+22	0.05	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2438+16	0.07	N	N
Temp ATWS	Spread 11	2438+20	0.06	N	N
Temp ATWS	Spread 11	2438+57	0.06	N	N
Temp TS	Spread 11	2442+37	0.39	N	N
Temp ATWS	Spread 11	2445+76	0.06	N	N
Temp ATWS	Spread 11	2445+80	0.06	N	N
Temp ATWS	Spread 11	2448+01	0.06	N	N
Temp ATWS	Spread 11	2448+49	0.11	N	N
Temp TS	Spread 11	2448+99	0.05	N	N
Temp ATWS	Spread 11	2449+96	0.06	N	N
Temp ATWS	Spread 11	2451+75	0.06	N	N
Temp ATWS	Spread 11	2452+98	0.09	N	N
Temp ATWS	Spread 11	2453+90	0.06	N	N
Temp ATWS	Spread 11	2470+67	0.65	N	N
Temp ATWS	Spread 11	2547+72	0.06	N	N
Temp ATWS	Spread 11	2548+50	0.38	N	N
Temp ATWS	Spread 11	2549+36	0.06	N	N
Temp ATWS	Spread 11	2551+33	0.06	N	N
Temp ATWS	Spread 11	2553+48	0.06	N	N
Temp TS	Spread 11	2558+09	0.06	N	N
Temp TS	Spread 11	2564+45	0.64	N	N
Temp ATWS	Spread 11	257+01	0.06	N	N
Temp ATWS	Spread 11	257+39	0.06	N	N
Temp TS	Spread 11	2573+37	0.24	N	N
Temp ATWS	Spread 11	2576+12	0.06	N	N
Temp ATWS	Spread 11	2576+24	0.18	N	N
Temp ATWS	Spread 11	2577+97	0.04	N	N
Temp ATWS	Spread 11	2578+60	0.10	N	N
Temp ATWS	Spread 11	2579+16	0.06	N	N
Temp ATWS	Spread 11	2585+96	0.10	N	N
Temp ATWS	Spread 11	2588+20	0.06	N	N
Temp ATWS	Spread 11	2588+55	0.06	N	N
Temp TS	Spread 11	2590+70	0.19	N	N
Temp ATWS	Spread 11	2592+43	0.05	N	N
Temp ATWS	Spread 11	2592+83	0.06	N	N
Temp TS	Spread 11	2592+88	0.06	N	N
Temp ATWS	Spread 11	2593+92	0.06	N	N
Temp ATWS	Spread 11	2594+18	0.05	N	N
Temp TS	Spread 11	2594+91	0.23	N	N
Temp ATWS	Spread 11	260+38	0.06	N	N
Temp TS	Spread 11	2603+82	0.87	N	N
Temp ATWS	Spread 11	261+25	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2610+67	0.06	N	N
Temp ATWS	Spread 11	2611+39	0.06	N	N
Temp ATWS	Spread 11	2613+14	0.06	N	N
Temp ATWS	Spread 11	2613+86	0.06	N	N
Temp TS	Spread 11	2615+01	0.16	N	N
Temp ATWS	Spread 11	263+28	0.06	N	N
Temp ATWS	Spread 11	2633+91	0.06	N	N
Temp ATWS	Spread 11	2635+42	0.06	N	N
Temp ATWS	Spread 11	2639+34	0.23	N	N
Temp ATWS	Spread 11	264+46	0.06	N	N
Temp ATWS	Spread 11	2643+45	0.06	N	N
Temp ATWS	Spread 11	2643+54	0.06	N	N
Temp ATWS	Spread 11	2646+96	0.06	N	N
Temp ATWS	Spread 11	2647+07	0.06	N	N
Temp ATWS	Spread 11	2652+26	0.06	N	N
Temp ATWS	Spread 11	2652+57	0.06	N	N
Temp ATWS	Spread 11	2654+12	0.06	N	N
Temp ATWS	Spread 11	2654+57	0.06	N	N
Temp ATWS	Spread 11	267+32	0.03	N	N
Temp ATWS	Spread 11	2673+54	0.06	N	N
Temp ATWS	Spread 11	2673+63	0.06	N	N
Temp ATWS	Spread 11	2677+14	0.09	N	N
Temp ATWS	Spread 11	2677+82	0.06	N	N
Temp ATWS	Spread 11	2677+92	0.05	N	N
Temp ATWS	Spread 11	2680+29	0.04	N	N
Temp ATWS	Spread 11	2680+91	0.20	N	N
Temp ATWS	Spread 11	2689+49	0.06	N	N
Temp ATWS	Spread 11	2690+74	0.09	N	N
Temp ATWS	Spread 11	2692+09	0.06	N	N
Temp ATWS	Spread 11	2694+15	0.06	N	N
Temp TS	Spread 11	2694+24	0.06	N	N
Temp TS	Spread 11	2698+03	0.32	N	N
Temp ATWS	Spread 11	2700+61	0.06	N	N
Temp ATWS	Spread 11	2700+66	0.06	N	N
Temp ATWS	Spread 11	2726+49	0.06	N	N
Temp ATWS	Spread 11	2727+31	0.06	N	N
Temp ATWS	Spread 11	2733+09	0.06	N	N
Temp ATWS	Spread 11	2736+56	0.06	N	N
Temp ATWS	Spread 11	2748+15	0.06	N	N
Temp ATWS	Spread 11	2749+94	0.06	N	N
Temp ATWS	Spread 11	275+50	0.06	N	N
Temp ATWS	Spread 11	275+97	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2753+30	0.06	N	N
Temp ATWS	Spread 11	2755+12	0.06	N	N
Temp ATWS	Spread 11	2757+29	0.06	N	N
Temp TS	Spread 11	2759+00	0.15	N	N
Temp ATWS	Spread 11	2759+79	0.54	N	N
Temp ATWS	Spread 11	2759+88	0.12	N	N
Temp ATWS	Spread 11	2760+71	0.06	N	N
Temp ATWS	Spread 11	2762+15	0.06	N	N
Temp ATWS	Spread 11	2762+27	0.04	N	N
Temp TS	Spread 11	2767+63	0.77	N	N
Temp ATWS	Spread 11	2776+37	0.06	N	N
Temp ATWS	Spread 11	2777+27	0.06	N	N
Temp ATWS	Spread 11	2783+26	0.06	N	N
Temp ATWS	Spread 11	2783+27	0.06	N	N
Temp TS	Spread 11	2784+65	0.10	N	N
Temp ATWS	Spread 11	2786+05	0.06	N	N
Temp ATWS	Spread 11	2787+62	0.06	N	N
Temp ATWS	Spread 11	2794+37	0.06	N	N
Temp ATWS	Spread 11	2794+86	0.06	N	N
Temp ATWS	Spread 11	2802+66	0.06	N	N
Temp ATWS	Spread 11	2803+27	0.06	N	N
Temp ATWS	Spread 11	2808+07	0.06	N	N
Temp ATWS	Spread 11	2808+82	0.06	N	N
Temp ATWS	Spread 11	2811+28	0.06	N	N
Temp ATWS	Spread 11	2811+71	0.06	N	N
Temp ATWS	Spread 11	2859+45	0.06	N	N
Temp ATWS	Spread 11	2859+67	0.06	N	N
Temp ATWS	Spread 11	2870+71	0.23	N	N
Temp ATWS	Spread 11	2872+21	0.06	N	N
Temp ATWS	Spread 11	2872+24	0.06	N	N
Temp ATWS	Spread 11	289+83	0.06	N	N
Temp ATWS	Spread 11	2897+31	0.06	N	N
Temp ATWS	Spread 11	2898+71	0.06	N	N
Temp ATWS	Spread 11	2899+99	0.09	N	N
Temp ATWS	Spread 11	290+69	0.06	N	N
Temp ATWS	Spread 11	2901+27	0.06	N	N
Temp ATWS	Spread 11	2901+37	0.06	N	N
Temp ATWS	Spread 11	2907+98	0.07	N	N
Temp ATWS	Spread 11	2908+32	0.09	N	N
Temp ATWS	Spread 11	2914+15	0.06	N	N
Temp ATWS	Spread 11	2915+33	0.06	N	N
Temp ATWS	Spread 11	2915+74	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	2919+74	0.06	N	N
Temp ATWS	Spread 11	2927+29	0.06	N	N
Temp ATWS	Spread 11	2927+54	0.06	N	N
Temp ATWS	Spread 11	2939+09	0.06	N	N
Temp ATWS	Spread 11	2942+56	0.06	N	N
Temp ATWS	Spread 11	2944+20	0.05	N	N
Temp ATWS	Spread 11	2950+41	0.06	N	N
Temp ATWS	Spread 11	2950+42	0.05	N	N
Temp ATWS	Spread 11	2953+49	0.04	N	N
Temp ATWS	Spread 11	2953+64	0.06	N	N
Temp TS	Spread 11	2956+26	0.24	N	N
Temp TS	Spread 11	2958+56	0.05	N	N
Temp ATWS	Spread 11	2959+54	0.06	N	N
Temp ATWS	Spread 11	2959+91	0.06	N	N
Temp ATWS	Spread 11	2960+93	0.06	N	N
Temp ATWS	Spread 11	2961+28	0.06	N	N
Temp TS	Spread 11	2966+82	0.63	N	N
Temp TS	Spread 11	2980+03	0.82	N	N
Temp ATWS	Spread 11	2988+36	0.06	N	N
Temp ATWS	Spread 11	2988+52	0.06	N	N
Temp ATWS	Spread 11	2999+23	0.06	N	N
Temp TS	Spread 11	3004+85	0.06	N	N
Temp ATWS	Spread 11	3005+02	0.04	N	N
Temp ATWS	Spread 11	3005+07	0.06	N	N
Temp TS	Spread 11	3005+67	0.04	N	N
Temp ATWS	Spread 11	3006+81	0.06	N	N
Temp TS	Spread 11	3006+81	0.06	N	N
Temp ATWS	Spread 11	3007+36	0.06	N	N
Temp ATWS	Spread 11	3010+67	0.06	N	N
Temp ATWS	Spread 11	3011+45	0.03	N	N
Temp TS	Spread 11	3014+44	0.23	N	N
Temp TS	Spread 11	3017+46	0.59	N	N
Temp ATWS	Spread 11	3023+38	0.10	N	N
Temp ATWS	Spread 11	3023+51	0.10	N	N
Temp TS	Spread 11	3023+52	0.10	N	N
Temp ATWS	Spread 11	3026+84	0.06	N	N
Temp ATWS	Spread 11	3027+08	0.06	N	N
Temp ATWS	Spread 11	3027+36	0.08	N	N
Temp TS	Spread 11	3031+37	0.43	N	N
Temp ATWS	Spread 11	3035+54	0.06	N	N
Temp ATWS	Spread 11	3035+65	0.06	N	N
Temp ATWS	Spread 11	3037+72	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	3043+78	0.06	N	N
Temp TS	Spread 11	3046+77	0.32	N	N
Temp ATWS	Spread 11	3056+88	0.06	N	N
Temp ATWS	Spread 11	3058+10	0.06	N	N
Temp ATWS	Spread 11	3061+11	0.06	N	N
Temp ATWS	Spread 11	3063+13	0.05	N	N
Temp ATWS	Spread 11	3065+90	0.06	N	N
Temp ATWS	Spread 11	3072+74	0.06	N	N
Temp ATWS	Spread 11	3073+13	0.06	N	N
Temp TS	Spread 11	3077+83	0.29	N	N
Temp ATWS	Spread 11	308+74	0.06	N	N
Temp ATWS	Spread 11	308+97	0.06	N	N
Temp ATWS	Spread 11	3082+35	0.06	N	N
Temp ATWS	Spread 11	3083+42	0.06	N	N
Temp ATWS	Spread 11	3088+88	0.04	N	N
Temp ATWS	Spread 11	3093+54	0.05	N	N
Temp ATWS	Spread 11	3096+28	0.06	N	N
Temp ATWS	Spread 11	3098+46	0.06	N	N
Temp ATWS	Spread 11	3099+08	0.06	N	N
Temp TS	Spread 11	3132+83	0.92	N	N
Temp ATWS	Spread 11	314+04	0.06	N	N
Temp ATWS	Spread 11	314+36	0.06	N	N
Temp TS	Spread 11	3141+37	0.17	N	N
Temp ATWS	Spread 11	3142+63	0.06	N	N
Temp ATWS	Spread 11	3144+25	0.06	N	N
Temp ATWS	Spread 11	3144+37	0.06	N	N
Temp ATWS	Spread 11	3144+64	0.13	N	N
Temp TS	Spread 11	3151+10	1.01	N	N
Temp ATWS	Spread 11	3164+02	0.06	N	N
Temp ATWS	Spread 11	3166+24	0.06	N	N
Temp ATWS	Spread 11	3166+73	0.10	N	N
Temp ATWS	Spread 11	3168+00	0.06	N	N
Temp ATWS	Spread 11	3172+03	0.06	N	N
Temp ATWS	Spread 11	319+91	0.06	N	N
Temp TS	Spread 11	3204+14	0.57	N	N
Temp ATWS	Spread 11	3209+27	0.06	N	N
Temp ATWS	Spread 11	3209+41	0.09	N	N
Temp ATWS	Spread 11	3209+58	0.06	N	N
Temp ATWS	Spread 11	3210+73	0.06	N	N
Temp ATWS	Spread 11	3211+23	0.06	N	N
Temp ATWS	Spread 11	3211+92	0.21	N	N
Temp TS	Spread 11	3214+98	0.38	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	3225+03	0.06	N	N
Temp ATWS	Spread 11	3225+30	0.06	N	N
Temp ATWS	Spread 11	3227+44	0.06	N	N
Temp ATWS	Spread 11	3227+70	0.05	N	N
Temp ATWS	Spread 11	3232+08	0.06	N	N
Temp ATWS	Spread 11	3232+71	0.06	N	N
Temp TS	Spread 11	3233+49	0.07	N	N
Temp ATWS	Spread 11	3233+95	0.05	N	N
Temp ATWS	Spread 11	3235+10	0.22	N	N
Temp TS	Spread 11	3239+65	0.61	N	N
Temp ATWS	Spread 11	3246+32	0.09	N	N
Temp ROW	Spread 11	3266+58	0.38	N	N
Temp ATWS	Spread 11	3267+27	0.18	N	N
Temp ATWS	Spread 11	3272+53	0.06	N	N
Temp ATWS	Spread 11	3273+83	0.06	N	N
Temp ATWS	Spread 11	3274+65	0.24	N	N
Temp ATWS	Spread 11	3276+08	0.18	N	N
Temp ATWS	Spread 11	3286+42	0.62	Y	Y
Temp ATWS	Spread 11	329+92	0.06	N	N
Temp ATWS	Spread 11	3293+37	0.06	N	N
Temp ATWS	Spread 11	3295+82	0.04	Y	Y
Temp ATWS	Spread 11	3298+61	0.07	Y	Y
Temp ATWS	Spread 11	330+01	0.06	N	N
Temp ATWS	Spread 11	3301+64	0.06	Y	Y
Temp ATWS	Spread 11	3302+65	0.06	N	Y
Temp ATWS	Spread 11	3303+02	0.24	N	N
Temp ATWS	Spread 11	3303+05	0.06	N	Y
Temp TS	Spread 11	3313+32	1.20	N	N
Temp ATWS	Spread 11	333+87	0.06	N	N
Temp ATWS	Spread 11	3341+74	0.06	N	Y
Temp ATWS	Spread 11	3344+51	0.06	N	N
Temp ATWS	Spread 11	3346+81	0.06	N	N
Temp ATWS	Spread 11	335+17	0.06	N	N
Temp ATWS	Spread 11	3350+52	1.00	N	N
Temp ATWS	Spread 11	3356+47	0.05	N	N
Temp ATWS	Spread 11	3356+49	0.06	N	N
Temp ATWS	Spread 11	3359+80	0.06	N	N
Temp ATWS	Spread 11	3359+94	0.06	N	N
Temp TS	Spread 11	3365+47	0.28	N	N
Temp ATWS	Spread 11	3368+36	0.06	N	N
Temp ATWS	Spread 11	3368+81	0.05	N	N
Temp ATWS	Spread 11	3370+83	0.06	N	N



**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	3370+86	0.06	N	N
Temp TS	Spread 11	3375+79	0.54	N	N
Temp ATWS	Spread 11	3377+77	4.79	Y	Y
Temp ATWS	Spread 11	3384+99	0.31	N	N
Temp ATWS	Spread 11	339+72	0.08	N	Y
Temp TS	Spread 11	3494+64	0.06	N	N
Temp ATWS	Spread 11	3495+48	0.03	N	N
Temp ATWS	Spread 11	3498+21	0.06	N	N
Temp TS	Spread 11	3501+66	0.34	N	N
Temp ATWS	Spread 11	3508+00	3.72	N	N
Temp TS	Spread 11	3516+58	0.62	N	N
Temp ATWS	Spread 11	3521+92	0.23	N	N
Temp ATWS	Spread 11	3522+22	0.06	N	N
Temp ATWS	Spread 11	3522+45	0.05	N	N
Temp ATWS	Spread 11	3524+05	0.06	N	N
Temp ATWS	Spread 11	3524+40	0.42	N	N
Temp ATWS	Spread 11	3535+45	0.24	N	N
Temp ATWS	Spread 11	3535+79	0.47	N	N
Temp ATWS	Spread 11	3567+27	0.05	N	N
Temp ATWS	Spread 11	3569+69	0.05	N	N
Temp ATWS	Spread 11	36+12	0.06	Y	Y
Temp ATWS	Spread 11	36+22	0.06	Y	Y
Temp ATWS	Spread 11	3653+87	0.20	N	N
Temp ATWS	Spread 11	366+50	0.06	N	N
Temp ATWS	Spread 11	366+89	0.06	N	N
Temp ATWS	Spread 11	370+89	0.06	N	N
Temp ATWS	Spread 11	373+94	0.06	N	N
Temp ATWS	Spread 11	374+03	0.06	N	N
Temp ATWS	Spread 11	3759+55	0.37	N	N
Temp ATWS	Spread 11	376+27	0.06	N	N
Temp ATWS	Spread 11	376+29	0.06	N	N
Temp ATWS	Spread 11	3762+52	6.08	N	N
Temp ATWS	Spread 11	3771+92	0.29	N	N
Temp ATWS	Spread 11	3798+33	0.33	N	N
Temp ATWS	Spread 11	3800+32	0.74	N	N
Temp ATWS	Spread 11	3818+80	0.11	N	N
Temp ATWS	Spread 11	3820+23	0.27	N	N
Temp ATWS	Spread 11	384+66	0.06	N	N
Temp ATWS	Spread 11	385+06	0.06	N	N
Temp ATWS	Spread 11	394+47	0.05	N	N
Temp ATWS	Spread 11	396+16	0.06	N	N
Temp ATWS	Spread 11	402+84	0.06	Y	Y

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	402+97	0.06	Y	Y
Temp ATWS	Spread 11	4043+69	0.05	N	N
Temp TS	Spread 11	405+98	0.30	Y	Y
Temp ATWS	Spread 11	4050+70	0.14	N	N
Temp ATWS	Spread 11	4065+22	0.46	N	N
Temp ATWS	Spread 11	409+07	0.06	N	N
Temp ATWS	Spread 11	409+10	0.06	N	N
Temp TS	Spread 11	409+10	0.06	N	N
Temp ATWS	Spread 11	4094+44	0.29	N	N
Temp ATWS	Spread 11	4109+31	0.99	N	N
Temp ATWS	Spread 11	411+19	0.06	N	N
Temp ATWS	Spread 11	4111+66	0.37	N	N
Temp ATWS	Spread 11	4121+96	0.34	N	N
Temp ATWS	Spread 11	4126+49	0.03	N	N
Temp ATWS	Spread 11	4127+09	0.44	N	N
Temp ATWS	Spread 11	413+94	0.37	N	N
Temp ATWS	Spread 11	4149+26	0.23	N	N
Temp ATWS	Spread 11	4149+28	0.62	N	N
Temp ATWS	Spread 11	415+27	0.05	N	N
Temp ATWS	Spread 11	417+05	0.06	N	N
Temp ATWS	Spread 11	417+09	0.04	N	N
Temp ATWS	Spread 11	4179+50	0.12	N	N
Temp ATWS	Spread 11	418+90	0.07	N	N
Temp ATWS	Spread 11	4181+63	0.14	N	N
Temp TS	Spread 11	4214+15	0.17	N	N
Temp ATWS	Spread 11	4215+55	0.27	N	N
Temp ATWS	Spread 11	4218+70	0.06	N	N
Temp ATWS	Spread 11	4219+34	0.01	N	N
Temp TS	Spread 11	422+09	0.29	N	N
Temp ATWS	Spread 11	4220+76	0.15	N	N
Temp ATWS	Spread 11	4231+74	0.37	N	N
Temp ATWS	Spread 11	425+41	0.06	N	N
Temp ATWS	Spread 11	4253+09	0.03	N	N
Temp ATWS	Spread 11	4257+00	0.12	N	N
Temp ATWS	Spread 11	426+04	0.06	N	N
Temp TS	Spread 11	4296+25	0.09	N	N
Temp ATWS	Spread 11	4296+25	0.11	N	N
Temp ATWS	Spread 11	4314+54	0.09	N	N
Temp ATWS	Spread 11	4315+00	0.06	N	N
Temp ATWS	Spread 11	4319+96	0.14	N	N
Temp ATWS	Spread 11	432+44	0.06	N	N
Temp ATWS	Spread 11	432+85	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	4322+65	0.33	N	N
Temp ATWS	Spread 11	4344+65	0.23	N	N
Temp ATWS	Spread 11	4371+46	1.12	N	N
Temp ATWS	Spread 11	4374+87	0.07	N	N
Temp ATWS	Spread 11	4375+07	0.17	N	N
Temp ATWS	Spread 11	4381+46	0.16	N	N
Temp ROW	Spread 11	4384+22	0.26	N	N
Temp ATWS	Spread 11	4386+20	0.13	N	N
Temp ATWS	Spread 11	4396+78	0.27	N	N
Temp ATWS	Spread 11	4399+00	0.05	N	N
Temp TS	Spread 11	44+65	0.91	Y	Y
Temp ATWS	Spread 11	449+08	0.06	N	N
Temp ATWS	Spread 11	454+48	0.06	N	N
Temp ATWS	Spread 11	454+95	0.06	N	N
Temp ATWS	Spread 11	457+77	0.06	N	N
Temp ATWS	Spread 11	458+06	0.06	N	N
Temp ATWS	Spread 11	467+00	0.06	N	N
Temp TS	Spread 11	467+17	0.06	N	N
Temp ATWS	Spread 11	467+17	0.06	N	N
Temp TS	Spread 11	468+87	0.14	N	N
Temp TS	Spread 11	470+57	0.06	N	N
Temp ATWS	Spread 11	470+57	0.06	N	N
Temp ATWS	Spread 11	470+80	0.06	N	N
Temp ATWS	Spread 11	479+09	0.06	N	N
Temp ATWS	Spread 11	479+51	0.06	N	N
Temp TS	Spread 11	479+51	0.06	N	N
Temp TS	Spread 11	481+31	0.11	N	N
Temp TS	Spread 11	489+42	0.55	N	N
Temp ATWS	Spread 11	491+57	0.06	N	N
Temp ATWS	Spread 11	502+57	0.06	N	N
Temp ATWS	Spread 11	502+64	0.02	N	Y
Temp ATWS	Spread 11	503+29	0.02	N	Y
Temp ATWS	Spread 11	503+65	0.05	N	Y
Temp TS	Spread 11	505+65	0.25	N	N
Temp ATWS	Spread 11	508+31	0.06	N	N
Temp ATWS	Spread 11	508+54	0.06	N	N
Temp ATWS	Spread 11	512+20	0.06	N	N
Temp ATWS	Spread 11	512+39	0.06	N	N
Temp TS	Spread 11	513+91	0.08	N	N
Temp ATWS	Spread 11	515+14	0.06	N	N
Temp TS	Spread 11	517+23	0.18	N	N
Temp ATWS	Spread 11	519+10	0.04	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	520+07	0.06	N	N
Temp ATWS	Spread 11	520+21	0.06	N	N
Temp ATWS	Spread 11	523+42	0.05	N	N
Temp ATWS	Spread 11	525+62	0.12	N	N
Temp ATWS	Spread 11	528+06	0.06	N	N
Temp ATWS	Spread 11	535+97	0.19	N	N
Temp TS	Spread 11	55+12	0.17	N	Y
Temp ATWS	Spread 11	550+81	0.06	N	N
Temp ATWS	Spread 11	550+90	0.19	N	Y
Temp ATWS	Spread 11	563+72	0.06	Y	Y
Temp ATWS	Spread 11	565+14	0.06	Y	Y
Temp ATWS	Spread 11	570+07	0.06	Y	Y
Temp ATWS	Spread 11	570+10	0.06	Y	Y
Temp ATWS	Spread 11	581+57	0.71	N	N
Temp TS	Spread 11	585+74	1.75	N	Y
Temp ATWS	Spread 11	600+76	0.05	N	N
Temp ATWS	Spread 11	601+39	0.05	N	N
Temp TS	Spread 11	601+47	0.06	N	N
Temp ATWS	Spread 11	602+38	0.05	N	N
Temp ATWS	Spread 11	603+32	0.06	N	N
Temp TS	Spread 11	603+45	0.05	N	N
Temp TS	Spread 11	609+53	0.65	N	N
Temp TS	Spread 11	615+64	0.05	N	N
Temp ATWS	Spread 11	615+69	0.06	N	N
Temp ATWS	Spread 11	615+73	0.06	N	N
Temp TS	Spread 11	617+82	0.06	N	N
Temp ATWS	Spread 11	617+83	0.06	N	N
Temp ATWS	Spread 11	617+93	0.06	N	N
Temp ATWS	Spread 11	62+67	0.06	N	Y
Temp TS	Spread 11	621+49	0.36	N	Y
Temp TS	Spread 11	623+83	0.25	N	Y
Temp ATWS	Spread 11	63+51	0.06	N	Y
Temp ATWS	Spread 11	630+58	0.06	N	N
Temp ATWS	Spread 11	630+82	0.06	N	N
Temp ATWS	Spread 11	65+60	0.06	Y	Y
Temp ATWS	Spread 11	652+41	0.43	N	N
Temp ATWS	Spread 11	663+24	0.63	N	N
Temp ATWS	Spread 11	663+26	0.09	N	N
Temp ATWS	Spread 11	67+15	0.06	Y	Y
Temp ATWS	Spread 11	680+76	0.23	N	N
Perm AR	Spread 11	681+42	0.02	N	N
Temp ATWS	Spread 11	697+94	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp TS	Spread 11	703+66	0.39	N	N
Temp TS	Spread 11	707+24	0.04	N	N
Temp TS	Spread 11	707+24	0.27	N	N
Temp ATWS	Spread 11	707+68	0.06	N	N
Temp ATWS	Spread 11	708+25	0.04	N	N
Temp ATWS	Spread 11	710+08	0.06	N	N
Temp ATWS	Spread 11	712+06	0.31	N	N
Temp ATWS	Spread 11	74+28	0.06	Y	Y
Temp ATWS	Spread 11	74+67	0.06	N	Y
Temp ATWS	Spread 11	745+93	0.06	N	N
Temp ATWS	Spread 11	747+43	0.05	N	N
Temp ATWS	Spread 11	754+06	0.27	N	N
Temp ATWS	Spread 11	76+91	0.06	Y	Y
Temp ATWS	Spread 11	76+95	0.06	Y	Y
Temp ATWS	Spread 11	803+11	0.10	N	N
Temp ATWS	Spread 11	805+39	0.13	N	N
Temp ATWS	Spread 11	805+76	0.12	N	N
Temp ATWS	Spread 11	809+24	0.06	N	N
Temp ATWS	Spread 11	810+50	0.13	N	N
Temp ATWS	Spread 11	810+74	0.06	N	N
Temp ATWS	Spread 11	82+73	0.06	Y	Y
Temp ATWS	Spread 11	823+64	0.06	N	N
Temp ATWS	Spread 11	824+24	0.14	N	N
Temp ATWS	Spread 11	825+41	0.06	N	N
Temp ATWS	Spread 11	83+04	0.06	N	Y
Temp ATWS	Spread 11	848+11	0.69	N	N
Temp ATWS	Spread 11	849+39	0.06	N	N
Temp ATWS	Spread 11	85+43	0.06	Y	Y
Temp ATWS	Spread 11	85+78	0.05	Y	Y
Temp ATWS	Spread 11	851+03	0.23	N	N
Temp ATWS	Spread 11	861+86	0.06	N	N
Temp ATWS	Spread 11	866+63	0.06	N	N
Temp ATWS	Spread 11	872+44	0.05	N	N
Temp ATWS	Spread 11	874+70	0.06	N	N
Temp ATWS	Spread 11	876+94	0.06	N	N
Temp ATWS	Spread 11	876+98	0.06	N	N
Temp ATWS	Spread 11	881+00	0.06	N	N
Temp ATWS	Spread 11	894+19	0.18	N	N
Temp ATWS	Spread 11	900+27	0.06	N	N
Temp ATWS	Spread 11	900+56	0.05	N	N
Temp ATWS	Spread 11	905+39	0.06	N	N
Temp ATWS	Spread 11	905+92	0.06	N	N

**TABLE C-1**  
**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 11	909+82	0.04	N	N
Temp ATWS	Spread 11	910+12	0.08	N	N
Temp ATWS	Spread 11	926+29	0.06	N	N
Temp ATWS	Spread 11	927+29	0.06	N	N
Temp TS	Spread 11	93+91	0.74	Y	Y
Temp ATWS	Spread 11	930+98	0.24	N	N
Temp ATWS	Spread 11	941+05	0.06	N	N
Temp ATWS	Spread 11	942+20	0.23	N	N
Temp ATWS	Spread 11	956+16	0.23	N	N
Temp ATWS	Spread 11	965+64	0.23	N	N
Temp ATWS	Spread 11	969+67	0.06	N	N
Temp ATWS	Spread 11	969+68	0.06	N	N
Temp ATWS	Spread 11	973+22	0.06	N	N
Temp ATWS	Spread 11	977+25	0.24	N	N
Temp ATWS	Spread 11	985+08	0.06	N	N
Temp ATWS	Spread 11	993+20	0.06	N	N
Temp ATWS	Spread 11	993+28	0.06	N	N
Temp ATWS	Spread 11	994+91	0.14	N	N
Temp ATWS	Spread 11	996+62	0.06	N	N
Temp ATWS	Spread 11	999+19	0.06	N	N
Temp ATWS	Spread 12	11+24	0.17	N	N
Temp ATWS	Spread 12	13+72	0.06	N	N
Temp ATWS	Spread 12	15+15	0.08	N	N
Temp ATWS	Spread 12	16+86	0.04	N	N
Temp ATWS	Spread 12	19+91	0.06	N	N
Temp ATWS	Spread 12	21+97	0.06	N	N
Temp TS	Spread 12	21+97	0.06	N	N
Temp ATWS	Spread 12	22+12	0.06	N	N
Temp TS	Spread 12	23+88	0.16	N	N
Temp ATWS	Spread 12	26+70	0.58	N	Y
Temp TS	Spread 12	27+92	0.24	N	Y
Temp TS	Spread 12	33+64	0.40	N	Y
Temp ATWS	Spread 12	4+84	0.19	N	N
Temp ATWS	Spread 12	41+97	0.06	N	N
Temp ATWS	Spread 12	42+22	0.06	N	N
Temp ATWS	Spread 12	44+37	0.06	N	N
Temp ATWS	Spread 12	44+39	0.04	N	N
Temp ATWS	Spread 12	5+94	0.04	N	N
Temp ATWS	Spread 12	6+04	0.06	N	N
Temp ATWS	Spread 12	7+69	0.06	N	N
Temp ATWS	Spread 12	7+97	0.16	N	N
Temp ATWS	Spread 12	8+00	0.06	N	N

**TABLE C-1**

**Additional Temporary Workspace within the Proposed ACP Restoration Workspace**

<b>Type</b>	<b>Spread</b>	<b>Station</b>	<b>Acres</b>	<b>Impacted During Construction</b>	<b>Needed for Restoration</b>
Temp ATWS	Spread 12	8+27	0.05	N	N

## **APPENDIX D**

ATWS WITHIN 50' OF WETLANDS AND WATERBODIES  
FOR THE ACP RESTORATION PROJECT



**Table D-1  
ATWS Less Than 50 Feet from Wetlands and Waterbodies**

<b>Segment</b>	<b>MP</b>	<b>Wetland/ Waterbody ID</b>	<b>Distance (feet)<sup>a/</sup></b>	<b>Workspace Type</b>	<b>Justification</b>
AP-1	1.1	wlee021e	6	Full Restoration	ATWS within 50 feet is in agricultural land and requires full restoration.
AP-1	6.8	wleb105e	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	6.8	sleb106	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	7.0	wlew002e	23	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	8.1	wleb003e	8	Access Areas - ROW	ATWS within 50 feet and requires full restoration.
AP-1	9.8	wleb005e	3	Full Restoration	ATWS within 50 feet is in agricultural land and requires full restoration.
AP-1	14.9	wleb106e	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	14.9	sleb109	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	15.0	wlew004e	0	Tree Felling and Removal	ATWS needed for repair of Hackers Creek slip.
AP-1	15.0	wlew005e	0	Tree Felling and Removal	ATWS needed for repair of Hackers Creek slip.
AP-1	15.0	slew002	0	Tree Felling and Removal	ATWS needed for repair of Hackers Creek slip.
AP-1	29.1	wupb007e	46	Access Areas - ROW	ATWS within 50 feet is in agricultural land and requires full restoration.
AP-1	32.8	supb009	42	Access Areas - ROW	ATWS within 50 feet and requires full restoration. Access road between ATWS and waterbody.
AP-1	59.9	wrav005f	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	60.0	srav013	2	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	66.4	srae118	24	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-1	135.2	saua411	16	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	137.2	saur003	38	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	146.2	saub104	42	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	188.5	saue571	0	Tree Felling and Removal	ATWS within 50 feet and requires tree removal.
AP-1	188.6	waua400f	0	Tree Felling and Removal	ATWS within 50 feet and requires tree removal.
AP-1	188.7	saua402e	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	222.9	sbuc109	45	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	247.7	wcua400f	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	247.8	wcua400f	4	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	256.1	wpea005f	25	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-1	271.6	wnok010f	3	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-2	15.7	whlf007f	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-2	15.7	whlf007f	16	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-2	22.5	whlb103f	0	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-2	22.6	whlb103f	18	Full Restoration	ATWS within 50 feet and requires full restoration.
AP-2	22.6	whlh027e	7	Full Restoration	ATWS within 50 feet and requires full restoration.

**Table D-1  
ATWS Less Than 50 Feet from Wetlands and Waterbodies**

<b>Segment</b>	<b>MP</b>	<b>Wetland/ Waterbody ID</b>	<b>Distance (feet)<sup>a/</sup></b>	<b>Workspace Type</b>	<b>Justification</b>
AP-2	157.5	wcmo022f/e	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-2	168.5	wrob001f	46	Access Areas - ROW	ATWS within 50 feet and requires tree removal.
AP-3	33.1	wsol022f	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-3	62.3	ssuo102	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.
AP-3	62.3	ssuo103	0	Tree Removal Only	ATWS within 50 feet and requires tree removal.

<sup>a/</sup> Denotes setback distance in feet from the waterbody or wetland feature to nearest point of the project workspace.

## **APPENDIX E**

### **ACCESS ROADS ACP AND SHP RESTORATION PROJECTS**

**Table E-1- ACP Restoration Work Access Roads**

<b>Spread</b>	<b>Work Segment</b>	<b>Road Name</b>	<b>Existing Condition</b>	<b>Proposed Improvement</b>	<b>Tree Cutting Required</b>
SPREAD 001-1	01-1-002	02-096-A005-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-091-AR 1	Gravel	None	No
SPREAD 001-1	01-1-002	02-096-A007-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-095-A001-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001	01-009.AR-AR 2	Gravel	None	No
SPREAD 001-1	01-1-002	02-091-AR 1	Gravel	None	No
SPREAD 001-1	01-1-002	02-096-A001-AR 2	Gravel	None	No
SPREAD 001-1	01-1-002	02-096-A001-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-096-A003-AR 2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-096-A005-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-096-A012-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-002	02-096-A012-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-001B	02-046-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-090-AR 3	Gravel	None	No
SPREAD 001-1	01-1-001A	01-013.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-031.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-090-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-046-AR 2	Gravel	None	No
SPREAD 001-1	01-1-001B	02-090-AR 2	Gravel	None	No
SPREAD 001-1	01-1-001A	01-006-AR 2	Gravel	Gravel	No
SPREAD 001-1	01-1-001A	01-006-AR 3	Greenfield	Grading/Gravel	No
SPREAD 001-1	01-1-001A	01-009.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	01-013.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	01-017-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-007-AR 1	Greenfield	Grading/Gravel	Yes
SPREAD 001-1	01-1-001A	02-009-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-015-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-019.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-021-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-001A	02-021-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-1	01-1-001A	02-022.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-030-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-034.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001A	02-034.AR-AR 2	Gravel	None	No
SPREAD 001-1	01-1-001A	02-036-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-039-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-044-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-046-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-055-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-071-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-077-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-084.AR-AR 1	Gravel	None	No
SPREAD 001-1	01-1-001B	02-084.AR-AR 1	Gravel	None	No

**Table F-1- ACP Restoration Work Access Roads**

<b>Spread</b>	<b>Work Segment</b>	<b>Road Name</b>	<b>Existing Condition</b>	<b>Proposed Improvement</b>	<b>Tree Cutting Required</b>
SPREAD 001-1	01-1-001B	02-090-AR 3	Gravel	None	No
SPREAD 001-1	01-1-001B	02-090-AR 3	Gravel	None	No
SPREAD 001-1	01-1-001B	02-090-AR 2	Gravel	None	No
SPREAD 001-1	01-1-002	02-096-A009-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 001-1	01-1-002	02-092-AR 1	Gravel	None	No
SPREAD 001-1	01-1-002	02-096-A001-AR 1.1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-023-AR 1	Gravel	None	No
SPREAD 001-2	01-2-005	03-084.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-096-A013-AR 1	Gravel	None	No
SPREAD 001-2	01-2-002	03-031.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-122-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-096-A013-AR 1	Gravel	None	No
SPREAD 001-2	01-2-001	02-096-A028-AR 3	Gravel	None	No
SPREAD 001-2	01-2-001	02-096-A032-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-125-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-127-AR 3	Gravel	None	No
SPREAD 001-2	01-2-001	02-127-AR 2	Gravel	None	No
SPREAD 001-2	01-2-002	03-023-AR 1	Gravel	None	No
SPREAD 001-2	01-2-002	03-029.AR-AR 1	Gravel	None	No
SPREAD 001-2	01-2-002	03-029.1-AR 1	Gravel	None	No
SPREAD 001-2	01-2-002	03-031.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-047.AR-AR 2	Gravel	None	No
SPREAD 001-2	01-2-003	03-054.AR-AR 1	Gravel	None	No
SPREAD 001-2	01-2-004	03-059-AR 1	Gravel	None	No
SPREAD 001-2	01-2-004	03-067.AR-AR 1	Gravel	Grading/Gravel	No
SPREAD 001-2	01-2-004	03-069.AR-AR 1	Gravel	None	No
SPREAD 001-2	01-2-004	03-078-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-005	03-084.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-005	03-090-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-006	03-095.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-031.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-034.AR-AR 1	Greenfield	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-096-A028-AR 1	Dirt	Gravel	No
SPREAD 001-2	01-2-002	03-034.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-031.AR-AR 1	Greenfield	Grading/Gravel	No
SPREAD 001-2	01-2-002	03-031.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 001-2	01-2-001	02-096-A015-AR 1	Two-Track/Dirt	None	No
SPREAD 001-2	01-2-001	02-125-AR 2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-001	03-118.AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	04-002-A001.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-001	03-116.AR-AR 3.1	Gravel	None	No
SPREAD 002-1	02-1-002	03-140.AR-AR 3	Gravel	None	No
SPREAD 002-1	02-1-002	03-146.AR-AR 1	Gravel	None	No

**Table F-1- ACP Restoration Work Access Roads**

<b>Spread</b>	<b>Work Segment</b>	<b>Road Name</b>	<b>Existing Condition</b>	<b>Proposed Improvement</b>	<b>Tree Cutting Required</b>
SPREAD 002-1	02-1-001	03-118.AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	03-159.AR-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	04-002-A001.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-003	04-002-A001.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-001	03-100-AR 1	Gravel	None	No
SPREAD 002-1	02-1-001	03-101-AR 1	Gravel	None	No
SPREAD 002-1	02-1-001	03-110-AR 1	Gravel	None	No
SPREAD 002-1	02-1-001	03-116.AR-AR 3	Gravel	None	No
SPREAD 002-1	02-1-001	03-116.AR-AR 2	Gravel	None	No
SPREAD 002-1	02-1-001	03-116.AR-AR 1	Gravel	None	No
SPREAD 002-1	02-1-001	03-118.AR 3	Gravel	None	No
SPREAD 002-1	02-1-001	03-118.AR 2	Gravel	None	No
SPREAD 002-1	02-1-001	03-124-AR 1	Gravel	None	No
SPREAD 002-1	02-1-001	03-125-AR 3	Gravel	None	No
SPREAD 002-1	02-1-002	03-129.AR-AR 1	Gravel	None	No
SPREAD 002-1	02-1-002	03-140.AR-AR 4	Gravel	None	No
SPREAD 002-1	02-1-002	03-129.AR-AR 3	Gravel	None	No
SPREAD 002-1	02-1-002	03-146.AR-AR 2	Gravel	None	No
SPREAD 002-1	02-1-002	03-147-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	03-159.AR-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	03-164.AR-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	04-002-A001.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-003	04-002-A003-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	04-002-A001.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-003	04-002-A007.AR-AR 1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-1	02-1-002	03-140.AR-AR 5	Gravel	None	No
SPREAD 002-1	02-1-002	03-140.AR 1	Gravel	None	No
SPREAD 002-1	02-1-002	03-140.AR-AR 1	Dirt	Gravel	No
SPREAD 002-1	02-1-002	03-141.AR-AR-1	Dirt	Gravel	No
SPREAD 002-1	02-1-002	03-142.AR-AR 1	Dirt	Gravel	No
SPREAD 002-1	02-1-001	03-125-AR 1	Gravel	None	No
SPREAD 002-1	02-1-003	04-002-A007.AR-AR 2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-2	02-2-001	04-002-A006-AR3	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-2	02-2-001	04-002-A006-AR2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002-2	02-2-001	04-002-A006-AR1	Two-Track/Dirt	Grading/Gravel	No
SPREAD 002A	02A-002	04-002-B025.AR5	Gravel	None	No
SPREAD 002A	02A-002	04-002-B073.AR1	Dirt	Gravel	No
SPREAD 002A	03-001	05-001-C013.AR2	Gravel	Grading/Gravel	No
SPREAD 002A	02A-001	04-002-B007.AR3	Gravel	None	No
SPREAD 002A	02A-001	04-002-B007.AR4	Dirt	Gravel	No
SPREAD 002A	02A-001	04-002-B007.AR4	Dirt	Gravel	No
SPREAD 002A	02A-001	04-002-B007.AR4	Dirt	Gravel	No
SPREAD 002A	02A-001	04-002-B007.AR4	Dirt	Gravel	No

**Table F-1- ACP Restoration Work Access Roads**

<b>Spread</b>	<b>Work Segment</b>	<b>Road Name</b>	<b>Existing Condition</b>	<b>Proposed Improvement</b>	<b>Tree Cutting Required</b>
SPREAD 002A	02A-002	04-002-B012.AR1	Gravel	Gravel	No
SPREAD 002A	02A-002	04-002-B011.AR4	Gravel	None	No
SPREAD 002A	02A-002	04-002-B011.AR1	Gravel	None	No
SPREAD 002A	02A-002	04-002-B011.AR1	Gravel	None	No
SPREAD 002A	02A-002	04-002-B017.AR1	Gravel	None	No
SPREAD 002A	02A-002	04-002-B016.AR1	Gravel	None	No
SPREAD 002A	02A-002	04-002-B071.AR1	Dirt	Gravel	No
SPREAD 002A	02A-002	04-002-B073.AR1	Dirt	Gravel	No
SPREAD 002A	02A-002	04-002-B025.AR6	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR6	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR5	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR7	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR5	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR4	Gravel	None	No
SPREAD 002A	02A-002	04-002-B025.AR2	Dirt	Gravel	No
SPREAD 002A	02A-002	04-002-B075.AR2	Dirt	Gravel	No
SPREAD 002A	02A-002	04-002-B025.AR3	Gravel	None	No
SPREAD 002A	02A-002	04-002-B075.AR1	Gravel	None	No
SPREAD 002A	02A-002	04-002-B075.AR1	Gravel	None	No
SPREAD 002A	02A-005	05-001-E023.AR1	Dirt	Gravel	No
SPREAD 002A	02A-001	04-002-B009.AR5	Dirt	Gravel	No
SPREAD 002A	02A-001	04-002-B009.AR4	Dirt	Gravel	No
SPREAD 002A	02A-002	04-002-B011.AR6	Gravel	None	No
SPREAD 003	03-004	05-001-E035.AR3	Dirt	Gravel	No
SPREAD 003	03-004	05-001-E036.AR1	Dirt	Gravel	No
SPREAD 003	03-004	05-001-E035.AR2	Dirt	Gravel	No
SPREAD 003	03-001	05-001-C013.AR3	Dirt	Gravel	No
SPREAD 003	03-001	05-001-C013.AR3	Dirt	Gravel	No
SPREAD 003	03-001	05-001-C013.AR3	Dirt	Gravel	No
SPREAD 003	03-001	05-001-C013.AR4	Two-Track/Dirt	Grading/Gravel	Yes
SPREAD 003A	03A-001	05-001-E060.AR2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 003A	03A-001	05-001-E060.AR2	Two-Track/Dirt	Grading/Gravel	No
SPREAD 003A		Quarry Water Source	Gravel	None	No
SPREAD 004A	04A-004	07-001-F029.AR1	Dirt	Grading/Gravel	No
SPREAD 004A	04A-010	07-001-A007.AR-AR 1	Dirt	Grading/Gravel	Yes
SPREAD 004A	04A-010	07-001-A007.AR-AR 1	Dirt	Grading/Gravel	Yes
SPREAD 004A	04A-006	07-001-A012.AR1	Two-Track/Dirt	Gravel	No
SPREAD 004A	04A-003	07-001-F009.AR1	Dirt	Grading/Gravel	No
SPREAD 004A	04A-002	36-085.AR1	Dirt	Gravel	No
SPREAD 005	05-001	07-058-E074-AR 1	Gravel	Gravel	No
SPREAD 005	05-001	07-058-E077-AR 1	Gravel	Gravel	No
SPREAD 005	05-001	07-058-E077-AR 1	Gravel	Gravel	No
SPREAD 005	05-001	07-058-E077-AR 1	Gravel	Gravel	No

**Table F-1- ACP Restoration Work Access Roads**

<b>Spread</b>	<b>Work Segment</b>	<b>Road Name</b>	<b>Existing Condition</b>	<b>Proposed Improvement</b>	<b>Tree Cutting Required</b>
SPREAD 005B	05B-001	09-001-A001.AR1	Dirt	Gravel	No
SPREAD 005B	05B-001	09-001-A001.AR1	Dirt	Gravel	No
SPREAD 005B	05B-001	09-001-A001.AR1	Dirt	Gravel	No
SPREAD 005B	05B-002	09-005-AR 3	Gravel	Gravel	No
SPREAD 005B	05B-002	09-015-AR 1	Dirt	Gravel	Limbing
SPREAD 006	06-004	09-103.AR2	Greenfield	Grading/Gravel	Yes
SPREAD 006	06-003	09-040.AR-AR 4	Gravel	Gravel	No
SPREAD 006	06-003	09-040.AR-AR4.1	Gravel	Gravel	No
SPREAD 006	06-003	09-040.AR-AR 2	Gravel	Gravel	No
SPREAD 006	06-003	09-045.AR2	Greenfield	Grading/Gravel	Yes
SPREAD 006	06-003	09-051.AR1	Dirt	Grading/Gravel	Yes
SPREAD 006	06-003	09-074.AR-AR 1	Gravel	Gravel	No
SPREAD 006	06-006	09-129-AR 2	Dirt	Grading/Gravel	Yes
SPREAD 006	06-007	10-061.AR-AR 1	Greenfield	Grading/Gravel	Yes
SPREAD 006	06-009	11-005-AR 1	Dirt	Gravel	No
SPREAD 006	06-010	11-040.AR-AR 1	Dirt	Gravel	Limbing
SPREAD 006	06-011	12-018-AR1	Gravel	Grading/Gravel	Yes
SPREAD 006	06-012	12-028-AR 1	Dirt	Gravel	No
SPREAD 006	06-012	12-047-AR 1	Dirt	Gravel	Limbing
SPREAD 006	06-003	09-040.AR-AR5	Gravel	Gravel	No
SPREAD 006	06-001	09-028-A001-AR1_VAR	Two-Track/Dirt	Gravel	No
SPREAD 008	08_7	18-001.AR2	Two-Track/Dirt	Gravel	No
SPREAD 008	08_9	18-156-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_2	16-046-AR 2	Gravel	Gravel	No
SPREAD 008	08_9	18-143-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_4	17-039-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_9	18-123-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_6	17-109-AR 1	Gravel	Gravel	No
SPREAD 008	08_4	17-028.AR1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_3	17-019-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_7	18-001.AR1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_10	18-200-AR 2	Two-Track/Dirt	Gravel	No
SPREAD 008	08_6	17-094-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_3	17-003-AR 1	Gravel	Gravel	No
SPREAD 008	08_9	18-149-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_9	18-149-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 008	08_2	16-047.AR 2	Two-Track/Dirt	Gravel	No
SPREAD 010	10_2	22-025.AR	Two-Track/Dirt	Gravel	No
SPREAD 010	10_12	22-085-A146.AR1	Two-Track/Dirt	Gravel	No
SPREAD 010	10_15	24-024.AR	Two-Track/Dirt	Gravel	No
SPREAD 010	10_8	22-085-A074.AR1	Two-Track/Dirt	Gravel	No
SPREAD 010	10_12	22-085-A146.AR1	Two-Track/Dirt	Gravel	No
SPREAD 010	10_16	24-043-AR 1	Two-Track/Dirt	Gravel	No



**Table F-1- ACP Restoration Work Access Roads**

Spread	Work Segment	Road Name	Existing Condition	Proposed Improvement	Tree Cutting Required
SPREAD 010	10_11	22-085-A143.AR2	Two-Track/Dirt	Gravel	No
SPREAD 011	11_8	25-078-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 011	11_8	25-078-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 011	11_5	16-088-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 011	11_9	25-084-AR 1	Two-Track/Dirt	Gravel	No
SPREAD 011	11_11	26-001.AR1	Two-Track/Dirt	Gravel	No
SPREAD 011	11_8	25-081-AR 1	Two-Track/Dirt	Gravel	No
	Highlighted road name indicates a new road for which Atlantic requests approval.				

**Table E-2  
SHP Restoration Work Access Roads**

<b>Access Road Number</b>	<b>Const. AR #</b>	<b>Planned Activities</b>
31-001- AR02	1	Use for Restoration of Workspace and maintenance as needed until restoration is complete. Upon completion road would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-001- AR01	2	Use for access for ROW restoration and slough repair. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-003- AR01	3	Use for access for ROW restoration and slough repair. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-005- A002-AR01	4	Use for access for ROW restoration. Upon completion of restoration, road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-005- A006-AR01 (AR-13- 2.50)	5	Use for access for ROW restoration and slip repair. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-005- A008-AR01	7	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-005- A013-AR01	8	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-005- A017-AR01	9	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-005- A024-AR01	10	Use for access for ROW restoration. Road currently has a slough that would be repaired upon restoration activities. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat and bridge removal. Road would be retained by EGTS as a permanent access road.
31-005- A031-AR01	12	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.

**Table E-2  
SHP Restoration Work Access Roads**

<b>Access Road Number</b>	<b>Const. AR #</b>	<b>Planned Activities</b>
31-005- A035-AR01	13	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be restored back to field conditions after restoration including mat removal. Road would be retained by EGTS as a permanent access road.
31-040- AR01	14	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including air bridge removal. Road would be retained by EGTS as a permanent access road.
31-042- A002-AR01	15	Use for access for ROW restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-044- A006-AR01	17	Use for access for ROW restoration and slough repair. Road currently has a slough within LOD that would be addressed during restoration. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-044- A013-AR01	19	Use for access for ROW restoration and slip repair. Road would also be used for the activities regarding the protection of pipe that has been installed. Upon completion of restoration road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-056- A013-AR04	20	Road would be used for the activities regarding the protection of pipe that has been installed. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-056- A013-AR03	21	Road would be used for the activities regarding the protection of pipe that has been installed. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-056- A030-AR01	22	Road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.

**Table E-2  
SHP Restoration Work Access Roads**

<b>Access Road Number</b>	<b>Const. AR #</b>	<b>Planned Activities</b>
31-074- AR01	23	Road would be used for the activities regarding the protection of pipe that has been installed. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat and bridge removal. Road would be retained by EGTS as a permanent access road.
31-079- AR01	25	Road would be used for the activities regarding the protection of pipe that has been installed. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-086- AR01	26	Road would be used for the activities regarding the protection of pipe that has been installed as well as slough repair. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat removal. Road would be retained by EGTS as a permanent access road.
31-090- AR01	27	Road would be used for the activities regarding the protection of pipe that has been installed as well as slough repair. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion including mat and bridge removal. Road would be retained by EGTS as a permanent access road.
31-094- AR01	29	Road would be used for the activities regarding the protection of pipe that has been installed as well as slough repair. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-098- AR01	30	Road would be used for the activities regarding the protection of pipe that has been installed as well as slough repair and debris removal. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
31-100- A002-AR01	32	Road would be used for the activities regarding the protection of pipe that has been installed as well as restoration. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion. Upon completion mats would be removed and field would be returned to previous conditions. Road would be retained by EGTS as a permanent access road.

**Table E-2  
SHP Restoration Work Access Roads**

<b>Access Road Number</b>	<b>Const. AR #</b>	<b>Planned Activities</b>
31-100- A015-AR01	34	Road would be used for maintenance and monitoring as needed and would be dressed for final completion as necessary. Road would be retained by EGTS as a permanent access road.
31-100- A017-AR02	36	Road would be used for maintenance and monitoring as needed and would be dressed for final completion as necessary. Mat removal would be performed at time of completion. Road would be retained by EGTS as a permanent access road.
33-001- A002-AR04	37	Road would be used for the activities regarding slip repair. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion. Road would be retained by EGTS as a permanent access road.
33-001- A002-AR03	38	Road would be used for the activities regarding the protection of pipe that has been installed as well as slip repair. Upon completion of those activities and any required additional restoration the road would be used for maintenance and monitoring as needed and would be dressed for final completion. Upon completion mats and bridges would be removed. Road would be retained by EGTS as a permanent access road.

**APPENDIX F**

TREES TO FELL  
ACP RESTORATION PROJECT

**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
02-096	01-1	01-1-002	789+00	795+00	0	2.31	Develop workspace	Execute slip mitigation plan at Hackers Creek slip	Grassland	Japanese stiltgrass ( <i>Microstegium vimineum</i> ), Japanese barberry ( <i>Berberis thunbergii</i> ), tall fescue ( <i>Schedonorus arundinaceus</i> )
02-126	01-2	01-2-001	1069+10	1069+23	13	0.04	Install travel lane	Access for restoration	Grassland	Orchardgrass ( <i>Dactylis glomerata</i> L.), red clover ( <i>Trifolium pratense</i> )
02-127	01-2	01-2-001	1080+75	1080+87	12	0.04	Install travel lane	Access for restoration	Forested	Black cherry ( <i>Prunus serotina</i> ), sycamore ( <i>Platanus occidentalis</i> ), jewelweed ( <i>Impatiens capensis</i> ), autumn olive ( <i>Elaeagnus umbellata</i> ), wingstem ( <i>Verbesina alternifolia</i> ), Japanese stiltgrass ( <i>Microstegium vimineum</i> ), black walnut ( <i>Juglans nigra</i> )
03-080	01-2	01-2-004	1569+00	1569+16	16	0.04	Install travel lane	Access for restoration	Forested	Sugar maple ( <i>Acer saccharum</i> ), American beech ( <i>Fagus grandifolia</i> ), white oak ( <i>Quercus alba</i> ), spicebush ( <i>Lindera benzoin</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
03-082	01-2	01-2-004	1569+16	1570+01	85	0.13	Install travel lane	Access for restoration	Forested	Sugar maple ( <i>Acer saccharum</i> ), American beech ( <i>Fagus grandifolia</i> ), white oak ( <i>Quercus alba</i> ), spicebush ( <i>Lindera benzoin</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
05-001-C008	03	03-001	4242+35	4243+48	113	0.38	Install travel lane	Access for restoration	Forested	Sugar maple ( <i>Acer saccharum</i> ), eastern hemlock ( <i>Tsuga canadensis</i> ), clubmoss ( <i>Dendrolycopodium obscurum</i> ), dryspike sedge ( <i>Carex siccata</i> ), sphagnum moss ( <i>Sphagnum spp.</i> ), hop sedge ( <i>Carex lupulina</i> )
07-001-A008	04A	04A-010	7753+91	7754+24	33	0.17	No Action by ACP	Felled trees to remain	Forested	Eastern white pine ( <i>Pinus strobus</i> ), white oak ( <i>Quercus alba</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
07-058-E079	05	05-001	9954+67	9956+01	134	0.5	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), black gum ( <i>Nyssa sylvatica</i> ), golden ragwort ( <i>Packera aurea</i> ), white oak ( <i>Quercus alba</i> ), chestnut oak ( <i>Quercus montana</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), white ash ( <i>Fraxinus americana</i> ), sweet birch ( <i>Betula lenta</i> ), beech ( <i>Fagus spp.</i> ), multiflora rose ( <i>Rosa multiflora</i> ), woodland sedge ( <i>Carex blanda</i> ), panic grass ( <i>Panicum spp.</i> ), white wood aster ( <i>Eurybia divaricata</i> )
07-058-E077	05	05-001	9953+73	9954+67	94	0.43	Install travel lane	Access for restoration	Forested	Maple ( <i>Acer spp.</i> ), spicebush ( <i>Lindera benzoin</i> ), Oak ( <i>Quercus spp.</i> ), Elm ( <i>Ulmus spp.</i> ), greenbrier ( <i>Smilax spp.</i> )
09-005	05B	05B-002	11646+00	11651+00	500	2	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), netted chain fern ( <i>Woodwardia areolata</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> )
09-005	05B	05B-002	11664+00	11670+00	600	2.24	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), smooth alder ( <i>Alnus serrulata</i> ), netted chain fern ( <i>Woodwardia areolata</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> )
09-005	05B	05B-002	11628+98	11634+02	504	1.65	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), smooth alder ( <i>Alnus serrulata</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), mountain laurel ( <i>Kalmia latifolia</i> ), southern lady fern ( <i>Athyrium asplenoides</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> )
09-057	06	06-003	12200+01	12201+96	195	0.67	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), American sycamore ( <i>Platanus occidentalis</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ) Black cherry ( <i>Prunus serotina</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), sourwood ( <i>Oxydendrum arboreum</i> ), eastern red cedar ( <i>Juniperus virginiana</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> ), muscadine ( <i>Vitis rotundifolia</i> )
09-040	06	06-003	11925+67	11927+00	133	0.46	Install travel lane	Access for restoration	Forested	River birch ( <i>Betula nigra</i> ), red maple ( <i>Acer rubrum</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), loblolly pine ( <i>Pinus taeda</i> ), shortleaf pine ( <i>Pinus echinata</i> ), American holly ( <i>Ilex opaca</i> ), American sycamore ( <i>Platanus occidentalis</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), eastern woodland sedge ( <i>Carex blanda</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-057-A001	06	06-003	00+00	00+00	0	0.11	Install travel lane	Access for restoration	Forested	River birch ( <i>Betula nigra</i> ), red maple ( <i>Acer rubrum</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), loblolly pine ( <i>Pinus taeda</i> ), shortleaf pine ( <i>Pinus echinata</i> ), American holly ( <i>Ilex opaca</i> ), American sycamore ( <i>Platanus occidentalis</i> ), yellow poplar

**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
										( <i>Liriodendron tulipifera</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), eastern woodland sedge ( <i>Carex blanda</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-059	06	06-003	12212+29	12214+01	172	0.49	Install travel lane	Access for restoration	Forested	River birch ( <i>Betula nigra</i> ), red maple ( <i>Acer rubrum</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), loblolly pine ( <i>Pinus taeda</i> ), shortleaf pine ( <i>Pinus echinata</i> ), American holly ( <i>Ilex opaca</i> ), American sycamore ( <i>Platanus occidentalis</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), eastern woodland sedge ( <i>Carex blanda</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-040-A001	06	06-003	11924+00	11925+67	167	0.64	Install travel lane	Access for restoration	Forested	American beech ( <i>Fagus grandifolia</i> ), red maple ( <i>Acer rubrum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), common blue violet ( <i>Viola sororia</i> )
09-040	06	06-003	11975+00	11978+00	300	0.96	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), yellow nut-grass ( <i>Cyperus esculentus</i> ), witchgrass ( <i>Panicum capillare</i> ), American bugleweed ( <i>Lycopus americanus</i> ), red oak ( <i>Quercus rubra</i> ), American sycamore ( <i>Platanus occidentalis</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> ), American beech ( <i>Fagus grandifolia</i> )
09-086	06	06-003	12514+86	12516+57	171	0.52	Install travel lane	Access for restoration	Forested	Maple ( <i>Acer spp.</i> ), greenbrier ( <i>Smilax spp.</i> ), ferns
09-047	06	06-003	12111+97	12112+15	18	0.05	Install travel lane	Access for restoration	Grassland	Common chicory ( <i>Cichorium intybus</i> ), unidentified grasses
09-047	06	06-003	12093+25	12093+42	17	0.06	Install travel lane	Access for restoration	Grassland	Common chicory ( <i>Cichorium intybus</i> ), unidentified grasses
09-047	06	06-003	12093+74	12093+92	18	0.08	Install travel lane	Access for restoration	Grassland	Common chicory ( <i>Cichorium intybus</i> ), unidentified grasses
09-047	06	06-003	12101+93	12102+12	19	0.05	Install travel lane	Access for restoration	Grassland	Common chicory ( <i>Cichorium intybus</i> ), unidentified grasses
09-048	06	06-003	12112+15	12112+33	18	0.05	Install travel lane	Access for restoration	Grassland	Common chicory ( <i>Cichorium intybus</i> ), unidentified grasses
09-045	06	06-003	12055+34	12055+59	25	0.1	Install travel lane	Access for restoration	Grassland	Sedge ( <i>Carex spp.</i> ), moss ( <i>Bryophyte spp.</i> ), black haw ( <i>Viburnum prunifolium</i> )
09-046	06	06-003	12055+59	12055+76	17	0.08	Install travel lane	Access for restoration	Grassland	Sedge ( <i>Carex spp.</i> ), moss ( <i>Bryophyte spp.</i> ), black haw ( <i>Viburnum prunifolium</i> )
09-048	06	06-003	12125+00	12126+93	193	0.73	Install travel lane	Access for restoration	Forested	Sedge ( <i>Carex spp.</i> ), ash ( <i>Fraxinus Spp.</i> ), oak ( <i>Quercus spp.</i> ), moss ( <i>Bryophyte spp.</i> )
09-051	06	06-003	12149+00	12152+00	300	1.01	Install travel lane	Access for restoration	Forested	Christmas fern ( <i>Polystichum acrostichoides</i> ), knotweed ( <i>Persicaria spp.</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), moss ( <i>Bryophyte spp.</i> )
09-053	06	06-003	12178+03	12179+28	125	0.24	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), pawpaw ( <i>Asimina triloba</i> ), box elder ( <i>Acer negundo</i> ), false nettle ( <i>Boehmeria cylindrica</i> ), panicgrass ( <i>Panicum spp.</i> )
09-054	06	06-003	12179+28	12179+82	54	0.08	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), pawpaw ( <i>Asimina triloba</i> ), box elder ( <i>Acer negundo</i> ), false nettle ( <i>Boehmeria cylindrica</i> ), panicgrass ( <i>Panicum spp.</i> )



**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
09-055	06	06-003	12179+82	12180+02	20	0.26	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), pawpaw ( <i>Asimina triloba</i> ), box elder ( <i>Acer negundo</i> ), false nettle ( <i>Boehmeria cylindrica</i> ), panicgrass ( <i>Panicum spp.</i> )
09-055	06	06-003	12187+00	12187+96	96	0.29	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), dogwood ( <i>Cornus</i> ), American beech ( <i>Fagus grandifolia</i> ), ironwood ( <i>Ostrya virginiana</i> ), black haw ( <i>Viburnum prunifolium</i> ), Japanese stiltgrass ( <i>Microstegium vimineum</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-056	06	06-003	12187+96	12196+71	875	3.22	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), dogwood ( <i>Cornus</i> ), American beech ( <i>Fagus grandifolia</i> ), ironwood ( <i>Ostrya virginiana</i> ), black haw ( <i>Viburnum prunifolium</i> ), Japanese stiltgrass ( <i>Microstegium vimineum</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-080	06	06-003	12432+03	12433+01	98	0.17	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), cedar ( <i>Cedrus</i> ), dogwood ( <i>Cornus</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> )
09-067	06	06-003	12305+00	12309+81	481	1.95	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), chestnut oak ( <i>Quercus montana</i> ), sourwood ( <i>Oxydendrum arboreum</i> ), pine ( <i>Pinus spp.</i> ) sumac ( <i>Rhus spp.</i> ), dogwood ( <i>Cornus spp.</i> ), blackberry ( <i>Rubus spp.</i> ), broomsedge ( <i>Andropogon virginicus</i> )
09-076	06	06-003	12382+00	12384+16	216	0.87	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), American beech ( <i>Fagus grandifolia</i> ), red maple ( <i>Acer rubrum</i> ), bladder sedge ( <i>Carex intumescens</i> ), pine ( <i>Pinus spp.</i> ), black cherry ( <i>Prunus serotina</i> ), deer-tongue grass ( <i>Dichanthelium clandestinum</i> ), lady ferns ( <i>Athyrium</i> ), Joe-Pye weed ( <i>Eutrochium purpureum</i> )
09-076	06	06-003	12385+83	12388+22	239	0.59	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), American beech ( <i>Fagus grandifolia</i> ), red maple ( <i>Acer rubrum</i> ), bladder sedge ( <i>Carex intumescens</i> ), lady ferns ( <i>Athyrium</i> ), aster ( <i>Aster spp.</i> )
09-074	06	06-003	12357+00	12358+82	182	0.6	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> )
09-057	06	06-003	12207+01	12212+29	528	1.42	Install travel lane	Access for restoration	Forested	River birch ( <i>Betula nigra</i> ), red maple ( <i>Acer rubrum</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), loblolly pine ( <i>Pinus taeda</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), common rush ( <i>Juncus effusus</i> ), deertongue grass ( <i>Dichanthelium clandestinum</i> ), broomsedge bluestem ( <i>Andropogon virginicus</i> ), boneset ( <i>Eupatorium perfoliatum</i> ), Virginia meadow-beauty ( <i>Rhexia virginica</i> ), marsh flatsedge ( <i>Cyperus pseudovegetus</i> ), eastern woodland sedge ( <i>Carex blanda</i> )
09-040-A002	06	06-003	11946+01	11947+36	135	0.65	Install travel lane	Access for restoration	Forested	black willow ( <i>Salix nigra</i> ), red maple ( <i>Acer rubrum</i> ), red cedar ( <i>Juniperus virginiana</i> ), hop sedge ( <i>Carex lupulina</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> )
09-041	06	06-003	11947+36	11950+00	264	0.8	Install travel lane	Access for restoration	Forested	Black willow ( <i>Salix nigra</i> ), red maple ( <i>Acer rubrum</i> ), red cedar ( <i>Juniperus virginiana</i> ), hop sedge ( <i>Carex lupulina</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> )
09-040-A003	06	06-003	12021+22	12021+58	36	0.43	Install travel lane	Access for restoration	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), boxelder ( <i>Acer negundo</i> var. <i>negundo</i> ), squarrose sedge ( <i>Carex squarrosa</i> ), false nettle ( <i>Boehmeria cylindrica</i> )
09-040-A003	06	06-003	00+00	00+00	0	0.02	No action by ACP	Outside of travel lane	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), boxelder ( <i>Acer negundo</i> var. <i>negundo</i> ), squarrose sedge ( <i>Carex squarrosa</i> ), false nettle ( <i>Boehmeria cylindrica</i> )
09-045	06	06-003	12021+58	12028+99	741	2.77	Install travel lane	Access for restoration	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), boxelder ( <i>Acer negundo</i> var. <i>negundo</i> ), squarrose sedge ( <i>Carex squarrosa</i> ), false nettle ( <i>Boehmeria cylindrica</i> )
09-046	06	06-003	12071+84	12072+01	17	0.06	Install travel lane	Access for restoration	Grassland	Georgia bulrush ( <i>Scirpus georgianus</i> ), Sallow sedge ( <i>Carex lurida</i> ), perennial grasses ( <i>Poa spp.</i> )

**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
09-047	06	06-003	12072+01	12072+17	16	0.06	Install travel lane	Access for restoration	Grassland	Georgia bulrush ( <i>Scirpus georgianus</i> ), sallow sedge ( <i>Carex lurida</i> ), perennial grasses ( <i>Poa spp.</i> )
09-047	06	06-003	12083+27	12083+58	31	0.18	Install travel lane	Access for restoration	Grassland	Georgia bulrush ( <i>Scirpus georgianus</i> ), sallow sedge ( <i>Carex lurida</i> ), perennial grasses ( <i>Poa spp.</i> )
09-081-A001	06	06-003	12477+78	12481+99	421	1.08	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), red maple ( <i>Acer rubrum</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), black birch ( <i>Betula nigra</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), smooth alder ( <i>Alnus serrulata</i> ), spicebush ( <i>Lindera benzoin</i> ), southern lady fern ( <i>Athyrium asplenoides</i> ), sawtooth blackberry ( <i>Rubus argutus</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), black gum ( <i>Nyssa sylvatica</i> ), Japanese stiltgrass ( <i>Microstegium vimineum</i> ), jewelweed ( <i>Impatiens capensis</i> ), St. John's wort ( <i>Hypericum perforatum</i> )
09-067	06	06-003	12294+97	12297+00	203	0.69	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), woolgrass ( <i>Scirpus cyperinus</i> ), boneset ( <i>Eupatorium perfoliatum</i> ), Joe-Pye weed ( <i>Eutrochium fistulosum</i> ), Canada goldenrod ( <i>Solidago canadensis</i> ), common rush ( <i>Juncus effusus</i> )
09-074	06	06-003	12349+07	12351+99	292	0.59	Install travel lane	Access for restoration	Forested	American hornbeam ( <i>Carpinus caroliniana</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), American beech ( <i>Fagus grandifolia</i> ), smooth alder ( <i>Alnus serrulata</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> )
09-121	06	06-005	12779+49	12781+01	152	0.26	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), green ash ( <i>Fraxinus pennsylvanica</i> ), spicebush ( <i>Lindera benzoin</i> ), swamp agrimony ( <i>Agrimony parviflora</i> ), false nettle ( <i>Boehmeria cylindrica</i> ), long-awned wood grass ( <i>Brachyelytrum erectum</i> ), white ash ( <i>Fraxinus americana</i> ), black walnut ( <i>Juglans nigra</i> ), hackberry ( <i>Celtis occidentalis</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), multiflora rose ( <i>rosa multiflora</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> ), Virginia wildrye ( <i>Elymus virginicus</i> ), eastern woodland sedge ( <i>Carex blanda</i> ), wood rush ( <i>Luzul</i> )
09-121	06	06-005	12774+40	12776+00	160	0.46	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), green ash ( <i>Fraxinus pennsylvanica</i> ), American sycamore ( <i>Platanus occipentalls</i> ), spicebush ( <i>Lindera benzoin</i> ), swamp agrimony ( <i>Agrimony parviflora</i> ), false nettle ( <i>Boehmeria cylindrica</i> ), long-awned wood grass ( <i>Brachyelytrum erectum</i> ), black walnut ( <i>Juglans nigra</i> ), winged sumac ( <i>Rhus copallinum</i> ), mockernut hickory ( <i>Carya tomentosa</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> ), Chinese privet ( <i>Ligustrum sinense</i> ), red cedar ( <i>Juniperus virginiana</i> )
09-119	06	06-005	12765+00	12766+08	108	0.42	Install travel lane	Access for restoration	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), white oak ( <i>Quercus alba</i> ), eastern redbud ( <i>Cercis canadensis</i> ), red cedar ( <i>Juniperus virginiana</i> ), sweetgum ( <i>Liquidambar styraciflua</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-120	06	06-005	12766+08	12767+00	92	0.23	Install travel lane	Access for restoration	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), white oak ( <i>Quercus alba</i> ), eastern redbud ( <i>Cercis canadensis</i> ), red cedar ( <i>Juniperus virginiana</i> ), sweetgum ( <i>Liquidambar styraciflua</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
09-114	06	06-005	12726+07	12727+70	163	0.46	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), green ash ( <i>Fraxinus pennsylvanica</i> ), American sycamore ( <i>Platanus occidentalis</i> ), red maple ( <i>Acer rubrum</i> ), spicebush ( <i>Lindera benzoin</i> ), pawpaw ( <i>Asimina triloba</i> ), ironwood ( <i>Ostrya virginiana</i> ), twisted stalk ( <i>Streptopus amplexifolius</i> ), New York fern ( <i>Parathelypteris noveboracensis</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> ), Virginia strawberry ( <i>Fragaria virginiana</i> )
09-117	06	06-005	12748+98	12750+00	102	0.32	Install travel lane	Access for restoration	Forested	Black oak ( <i>Quercus velutina</i> ), white oak ( <i>Quercus alba</i> ), sweetgum ( <i>Liquidambar styraciflua</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), pawpaw ( <i>Asimina triloba</i> ), Virginia creeper ( <i>Parthenocissus quinquefolia</i> )
10-010	06	06-006	13009+94	13010+24	30	0.12	Install travel lane	Access for restoration	Managed Grassland	Unidentified grasses
10-001	06	06-006	12933+85	12934+89	104	0.33	Install travel lane	Access for restoration	Forested	Pine ( <i>Pinus spp.</i> ), shagbark hickory ( <i>Carya ovata</i> ), black oak ( <i>Quercus velutina</i> ), white oak ( <i>Quercus alba</i> ), cedar ( <i>Cedrus spp.</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> ), woodoats ( <i>Chasmanthium latifolium</i> )
10-025	06	06-006	00+00	00+00	0	0.51	Install travel lane	Access for restoration	Forested	Sweetgum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), black birch ( <i>Betula nigra</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), green ash ( <i>Fraxinus pennsylvanica</i> ), ironwood ( <i>Ostrya virginiana</i> )

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Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
09-129	06	06-006	12875+22	12877+13	191	0.5	Install travel lane	Access for restoration	Forested	Slippery elm ( <i>Ulmus rubra</i> ), willow oak ( <i>Quercus phellos</i> ), squarrose sedge ( <i>Carex squarrosa</i> ), Sphagnum Moss ( <i>Sphagnum spp.</i> ), moss ( <i>Bryophyte spp.</i> ), loblolly pine ( <i>Pinus taeda</i> ), sweetgum ( <i>Liquidambar styraciflua</i> )
10-024	06	06-006	13108+80	13118+00	920	2.56	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), black birch ( <i>Betula nigra</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), green ash ( <i>Fraxinus pennsylvanica</i> )
10-063	06	06-008	13327+00	13332+91	591	1.74	Install travel lane	Access for restoration	Forested	Green ash ( <i>Fraxinus pennsylvanica</i> ), American elm ( <i>Ulmus americana</i> ), black birch ( <i>Betula nigra</i> ), black willow ( <i>Salix nigra</i> ), spicebush ( <i>Lindera benzoin</i> ), field blackberry ( <i>Rubus arvensis</i> ), Japanese stiltgrass ( <i>Microstegium vimineum</i> ),
12-044	06	06-012	14187+04	14189+42	238	0.78	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), eastern redcedar ( <i>Juniperus virginiana</i> ), American holly ( <i>Ilex opaca</i> ), chinese privet ( <i>Ligustrum sinense</i> ), pokeweed ( <i>Phytolacca americana</i> ), muscadine ( <i>Vitis rotundifolia</i> )
12-044	06	06-012	14184+60	14186+07	147	0.49	Install travel lane	Access for restoration	Forested	American sycamore ( <i>Platanus occidentalis</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), black walnut ( <i>Juglans nigra</i> ), American elm ( <i>Ulmus americana</i> ), chinese privet ( <i>Ligustrum sinense</i> ), pokeweed ( <i>Phytolacca americana</i> ), muscadine ( <i>Vitis rotundifolia</i> )
12-047.5	06	06-012	14245+38	14251+48	610	1.96	Install travel lane	Access for restoration	Forested	Oak ( <i>Quercus spp.</i> ), poplar ( <i>Populus spp.</i> ), dogwood ( <i>Cornus spp.</i> ), pawpaw ( <i>Asimina triloba</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> ), rattlesnake plantain ( <i>Goodyera</i> ), lilies ( <i>Arisaema spp.</i> )
12-020	06	06-012	13970+15	13980+79	106 4	3.2	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), black gum ( <i>Nyssa sylvatica</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), mountain oak ( <i>Quercus montana</i> ), southern lady fern ( <i>Athyrium asplenoides</i> ), fowl mannagrass ( <i>Glyceria striata</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), oak ( <i>Quercus spp.</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> )
12-065	06	06-013	14393+68	14393+89	21	0.09	Install travel lane	Access for restoration	Managed Grassland	Unidentified grasses
12-066	06	06-013	00+00	00+00	0	0.06	No action by ACP	Outside of travel lane	Managed Grassland	Unidentified grasses
12-063	06	06-013	14349+93	14354+00	407	1.33	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), black walnut ( <i>Juglans nigra</i> ), red maple ( <i>Acer rubrum</i> ), eastern redbud ( <i>Cercis canadensis</i> ), white oak ( <i>Quercus alba</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), green ash ( <i>Fraxinus pennsylvanica</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
12-063	06	06-013	14366+06	14369+02	296	0.96	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), American elm ( <i>Ulmus americana</i> ), black birch ( <i>Betula nigra</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), yellow poplar ( <i>Liriodendron tulipifera</i> ), pawpaw ( <i>Asimina triloba</i> ), carex ( <i>Carex spp.</i> ), marsh fern ( <i>Thelypteris palustris</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), Christmas fern ( <i>Polystichum acrostichoides</i> )
22-085-A164	10	10_12	8380+57	8380+63	6	0.02	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
22-085-A159	10	10_12	8367+62	8372+19	457	1.04	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
22-085-A160	10	10_12	8372+19	8376+40	421	1.06	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )

**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

Tract	Spread	Work Segment ID	Start Sta	End Sta	LF	Acreage	Action	Justification	Dominant Habitat	Dominant Species
22-085-A165	10	10_12	00+00	00+00	0	0.08	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
22-085-A157	10	10_12	8366+06	8366+52	46	0.08	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
22-085-A158	10	10_12	8366+52	8367+62	110	0.19	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
22-085-A163	10	10_12	8376+40	8380+57	417	0.94	Install travel lane	Access for restoration	Forested	Loblolly pine ( <i>Pinus taeda</i> ), red maple ( <i>Acer rubrum</i> ), fetterbush lyonia ( <i>Lyonia lucida</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), cinnamon fern ( <i>Osmundastrum cinnamomeum</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> )
24-034	10	10_16	9117+75	9126+30	855	1.73	No action by ACP	Landowner removed	Forested	Loblolly pine ( <i>Pinus taeda</i> ), water oak ( <i>Quercus nigra</i> ), sweetgum ( <i>Liquidambar styraciflua</i> ), wax myrtle ( <i>Morella cerifera</i> ), sweetleaf ( <i>Symplocos tinctoria</i> ), northern highbush blueberry ( <i>Vaccinium corymbosum</i> ), summersweet ( <i>Clethra alnifolia</i> ), slender woodoats ( <i>Chasmanthium laxum</i> ), arrowfeather threeawn ( <i>Aristida purpurascens</i> ), pilewort ( <i>Erechtites hieracifolia</i> ), switchgrass ( <i>Panicum virgatum</i> )
16-052	11	11_1	60+61	62+71	210	0.33	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-050	11	11_1	54+93	56+24	131	0.33	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-051	11	11_1	62+71	67+50	479	1.07	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-051	11	11_1	56+24	60+61	437	0.75	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-055	11	11_1	82+50	85+00	250	0.53	Install travel lane	Access for restoration	Forested	Sweetbay magnolia ( <i>Magnolia virginiana</i> ), red maple ( <i>Acer rubrum</i> )
16-055	11	11_1	74+52	77+00	248	0.54	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-054	11	11_1	74+00	74+52	52	0.14	Install travel lane	Access for restoration	Forested	Sweet gum ( <i>Liquidambar styraciflua</i> ), red maple ( <i>Acer rubrum</i> ), sweetbay magnolia ( <i>Magnolia virginiana</i> ), American hornbeam ( <i>Carpinus caroliniana</i> )
16-058	11	11_2	132+00	132+33	33	0.08	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), willow oak ( <i>Quercus phellos</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), American sycamore ( <i>Platanus occidentalis</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), fall panicgrass ( <i>Panicum dichotomiflorum</i> )
16-060	11	11_3	152+55	156+52	397	0.8	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), willow oak ( <i>Quercus phellos</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), American sycamore ( <i>Platanus occidentalis</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), fall panicgrass ( <i>Panicum dichotomiflorum</i> )
16-059	11	11_3	151+35	152+55	120	0.27	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), willow oak ( <i>Quercus phellos</i> ), American hornbeam ( <i>Carpinus caroliniana</i> ), American sycamore ( <i>Platanus occidentalis</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), fall panicgrass ( <i>Panicum dichotomiflorum</i> )

**Table F-1  
Areas Requiring Tree Felling along the ACP Restoration Workspace**

<b>Tract</b>	<b>Spread</b>	<b>Work Segment ID</b>	<b>Start Sta</b>	<b>End Sta</b>	<b>LF</b>	<b>Acreage</b>	<b>Action</b>	<b>Justification</b>	<b>Dominant Habitat</b>	<b>Dominant Species</b>
16-063	11	11_4	187+97	190+00	203	0.42	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), American holly ( <i>Ilex opaca</i> ), red maple ( <i>Acer rubrum</i> ), southern lady fern ( <i>Athyrium asplenoides</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), muscadine ( <i>Vitis rotundifolia</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> )
16-066	11	11_4	218+01	218+29	28	0.05	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), loblolly pine ( <i>Pinus taeda</i> ), Chinese privet ( <i>Ligustrum sinense</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> ), sawtooth blackberry ( <i>Rubus argutus</i> )
16-064	11	11_4	215+29	218+01	272	0.61	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), loblolly pine ( <i>Pinus taeda</i> ), Chinese privet ( <i>Ligustrum sinense</i> ), roundleaf greenbrier ( <i>Smilax rotundifolia</i> ), Japanese honeysuckle ( <i>Lonicera japonica</i> ), sawtooth blackberry ( <i>Rubus argutus</i> )
16-078	11	11_5	396+00	402+00	600	0.75	Install travel lane	Access for restoration	Forested	Yellow poplar ( <i>Liriodendron tulipifera</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), muscadine ( <i>Vitis rotundifolia</i> ), halberd-leaved smartweed ( <i>Persicaria arifolia</i> ), sensitive fern ( <i>Onoclea sensibilis</i> ), common rush ( <i>Juncus effusus</i> )
16-088	11	11_6	00+00	00+00	0	0.02	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), black birch ( <i>Betula nigra</i> ), giant cane ( <i>Arundinaria gigantea</i> )
16-089	11	11_6	563+99	570+00	601	1.15	Install travel lane	Access for restoration	Forested	Red maple ( <i>Acer rubrum</i> ), sweet gum ( <i>Liquidambar styraciflua</i> ), black birch ( <i>Betula nigra</i> ), giant cane ( <i>Arundinaria gigantea</i> )

## **APPENDIX G**

ENVIRONMENTAL JUSTICE POPULATIONS

ATLANTIC COAST PIPELINE RESTORATION PROJECT





This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Supply Header Pipeline
- Census Block Group crossed by the Project



## Minority Populations ACP Restoration Project

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This information is for environmental review purposes only.

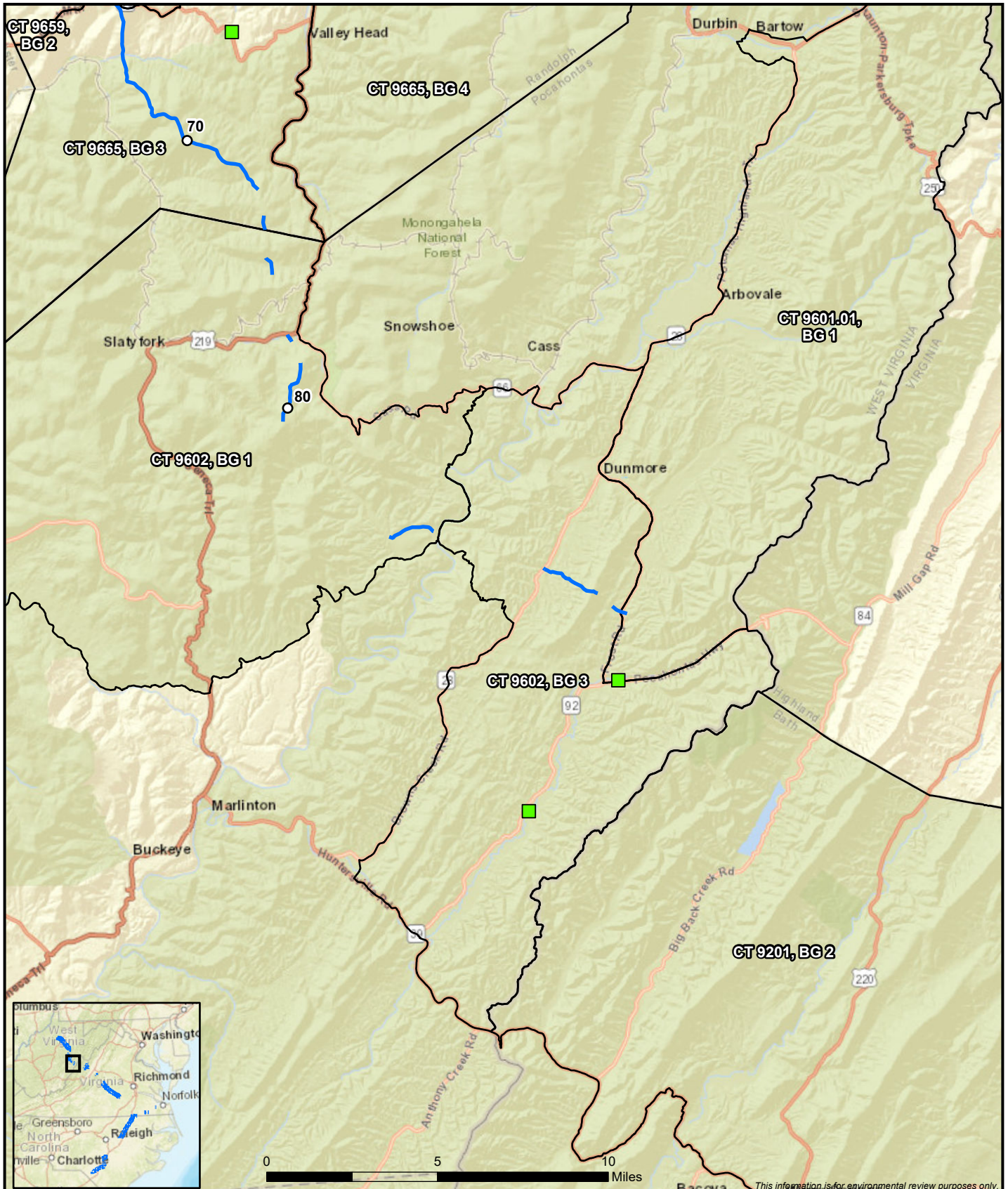
- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project



**Minority Populations  
ACP Restoration Project**  
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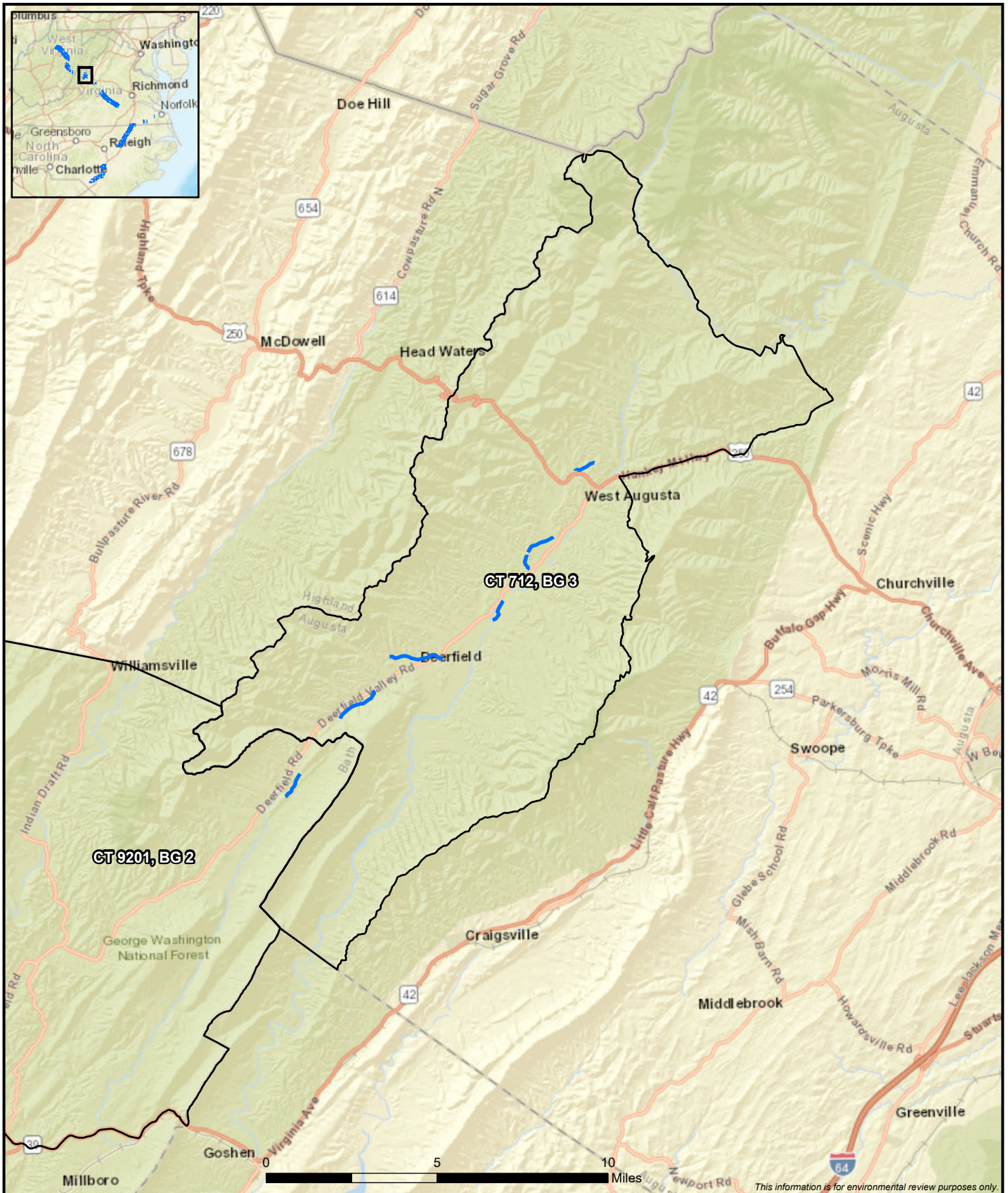
- Milepost
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- ACP Restoration Project
- Census Block Group crossed by the Project





**Minority Populations  
ACP Restoration Project**  
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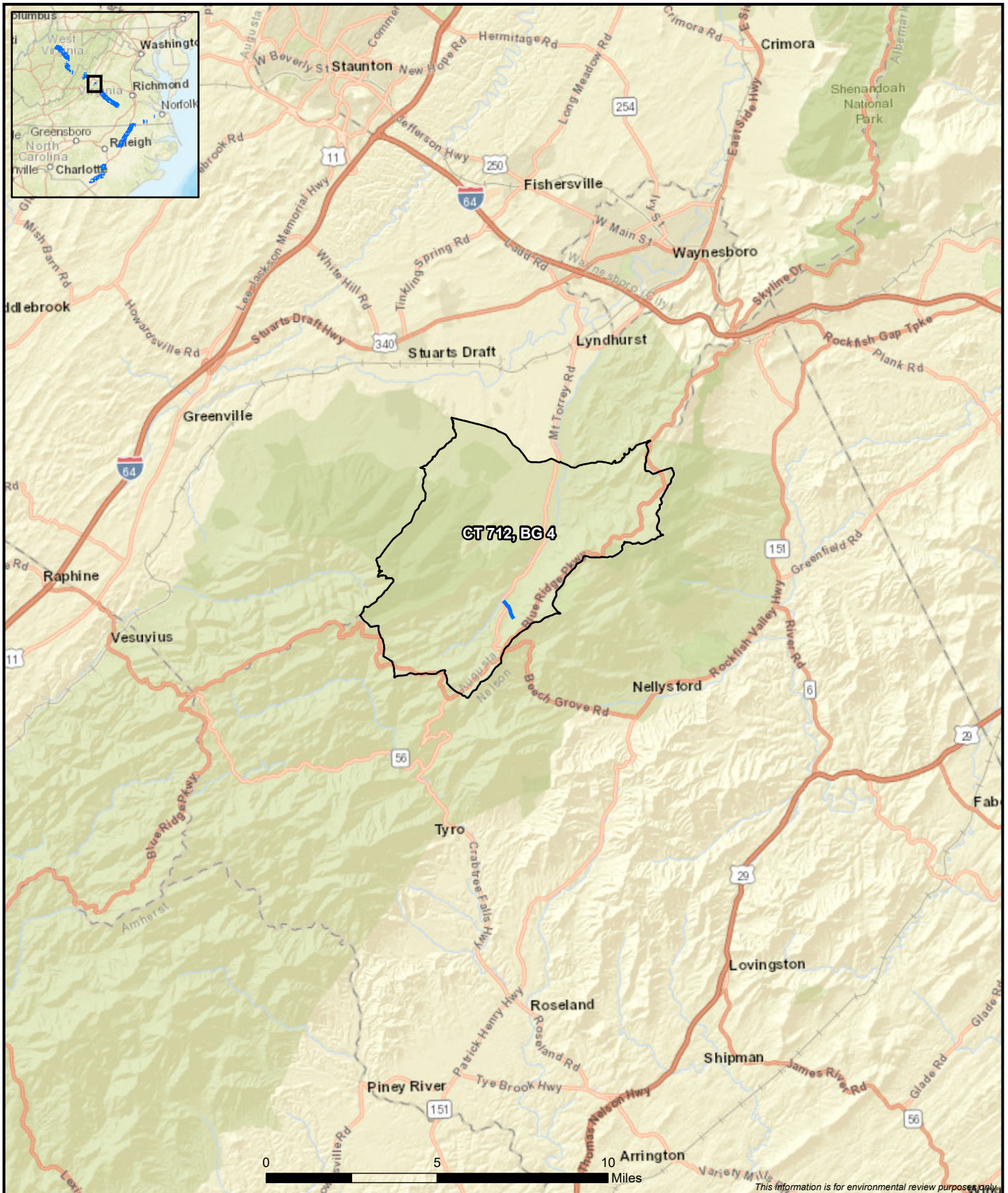
-  ACP Restoration Project
-  Census Block Group crossed by the Project



**Minority Populations**  
**ACP Restoration Project**  
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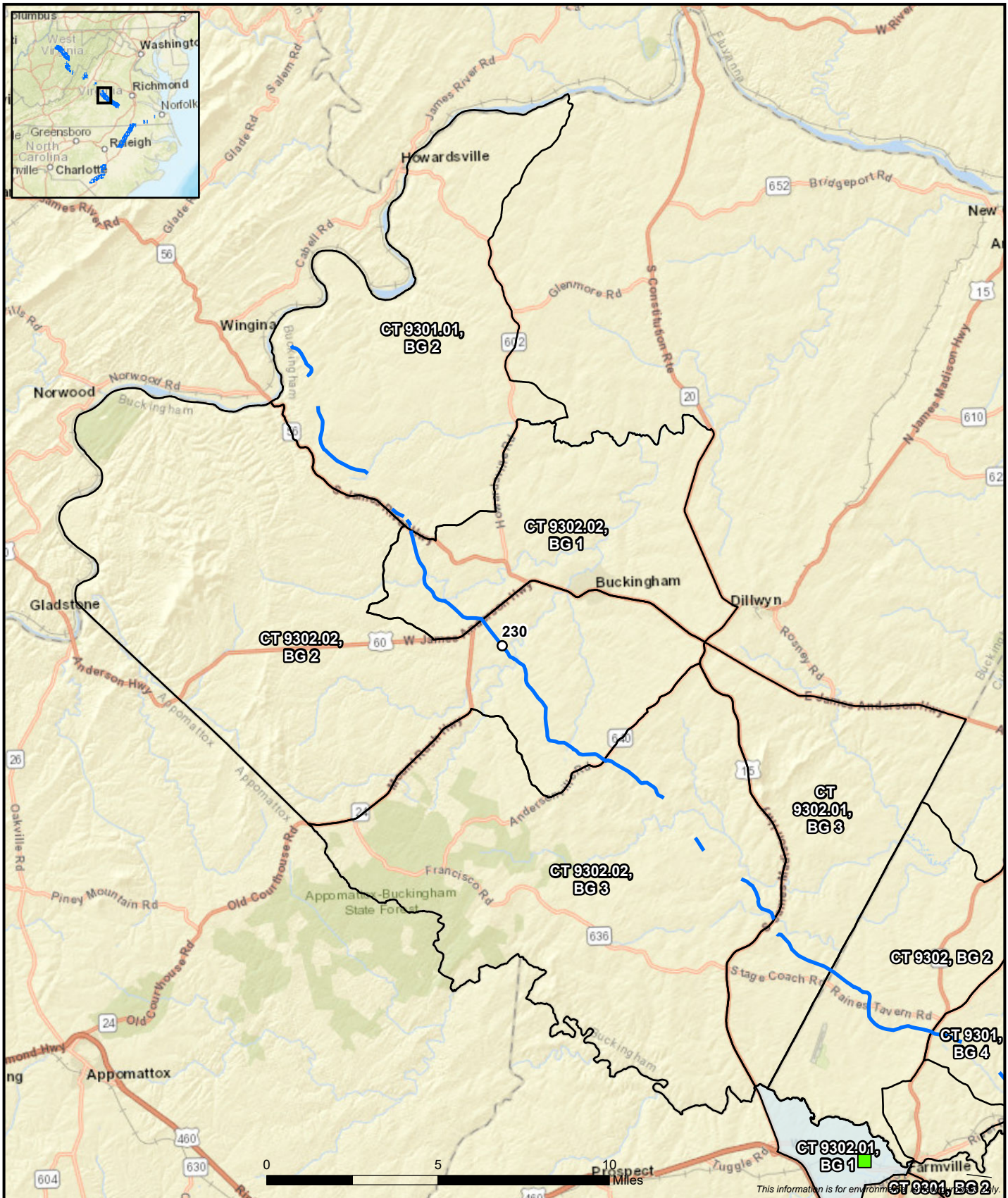
ACP Restoration Project  
 Census Block Group crossed by the Project

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**Minority Populations**  
**ACP Restoration Project**  
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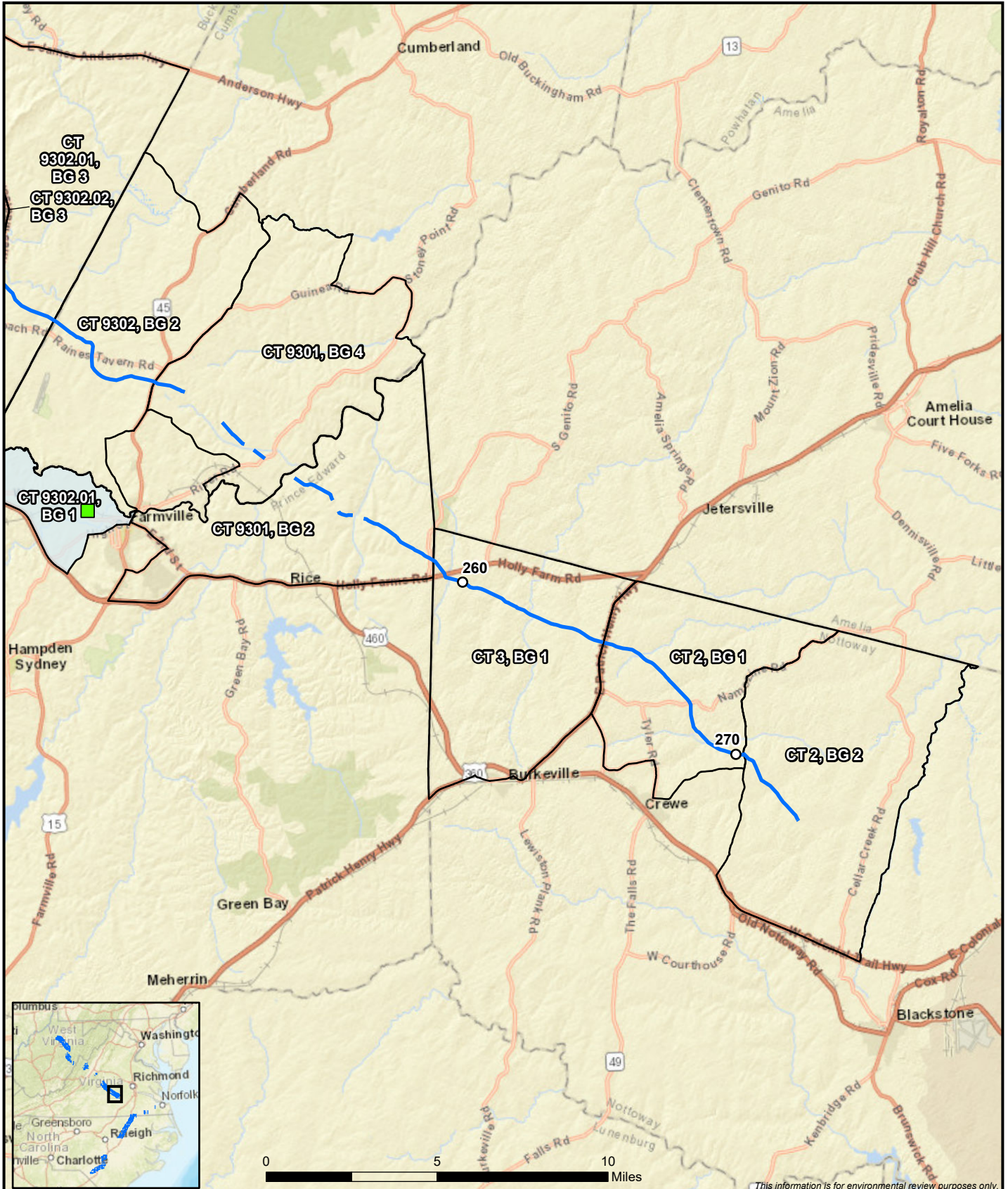


- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)

**Minority Populations**  
**ACP Restoration Project**  
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This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)

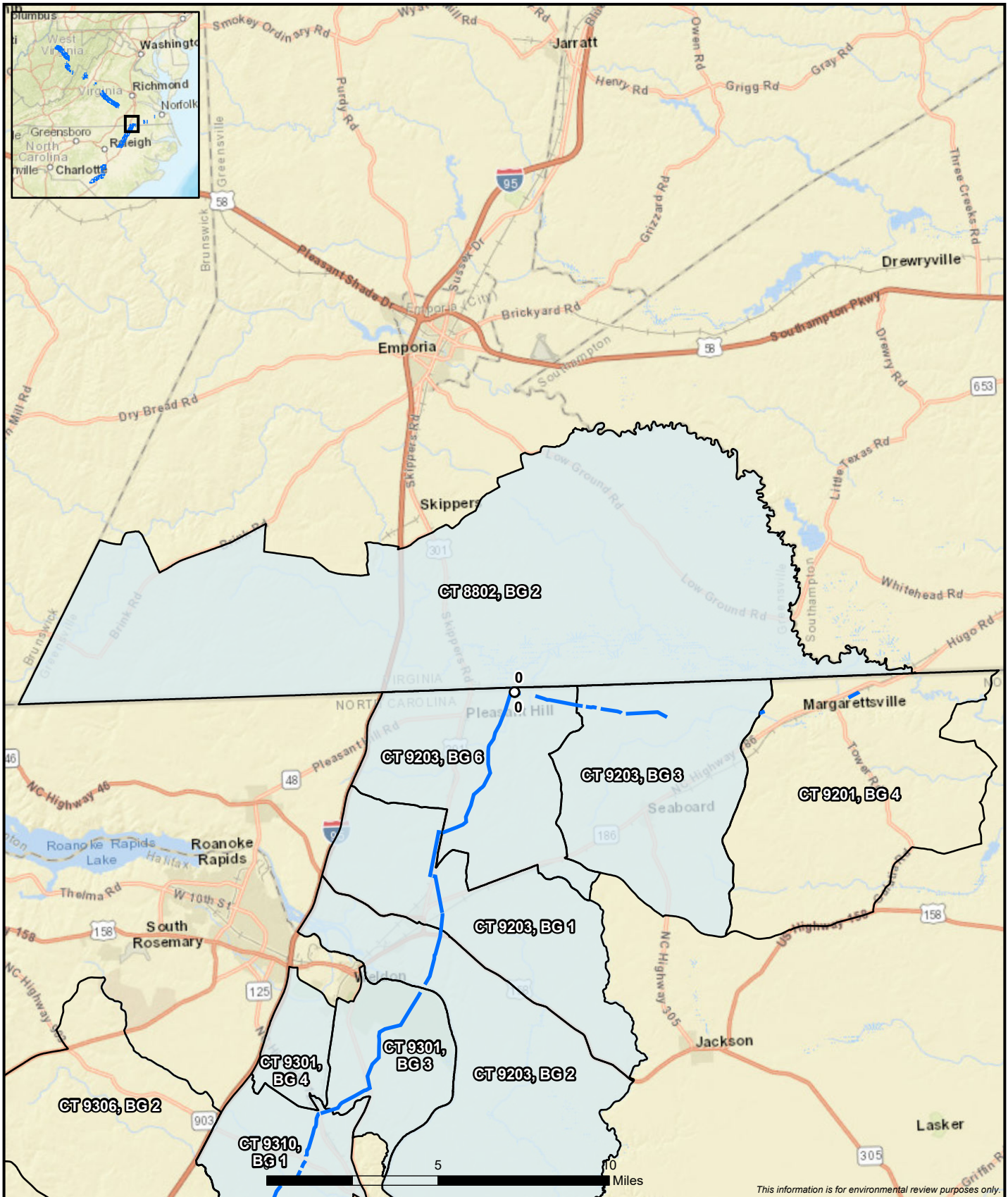


## Minority Populations ACP Restoration Project

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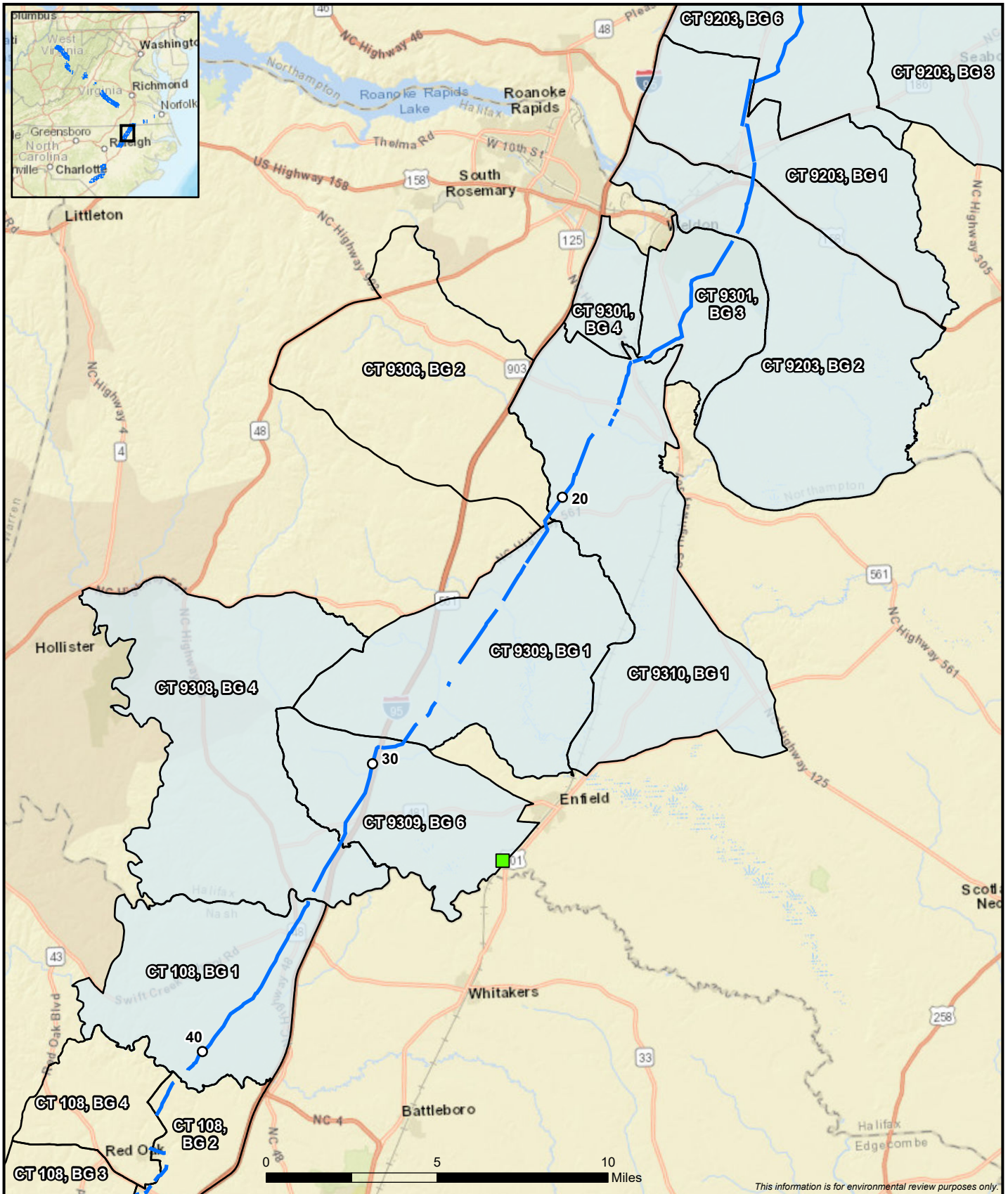
- Milepost
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)



### Minority Populations ACP Restoration Project








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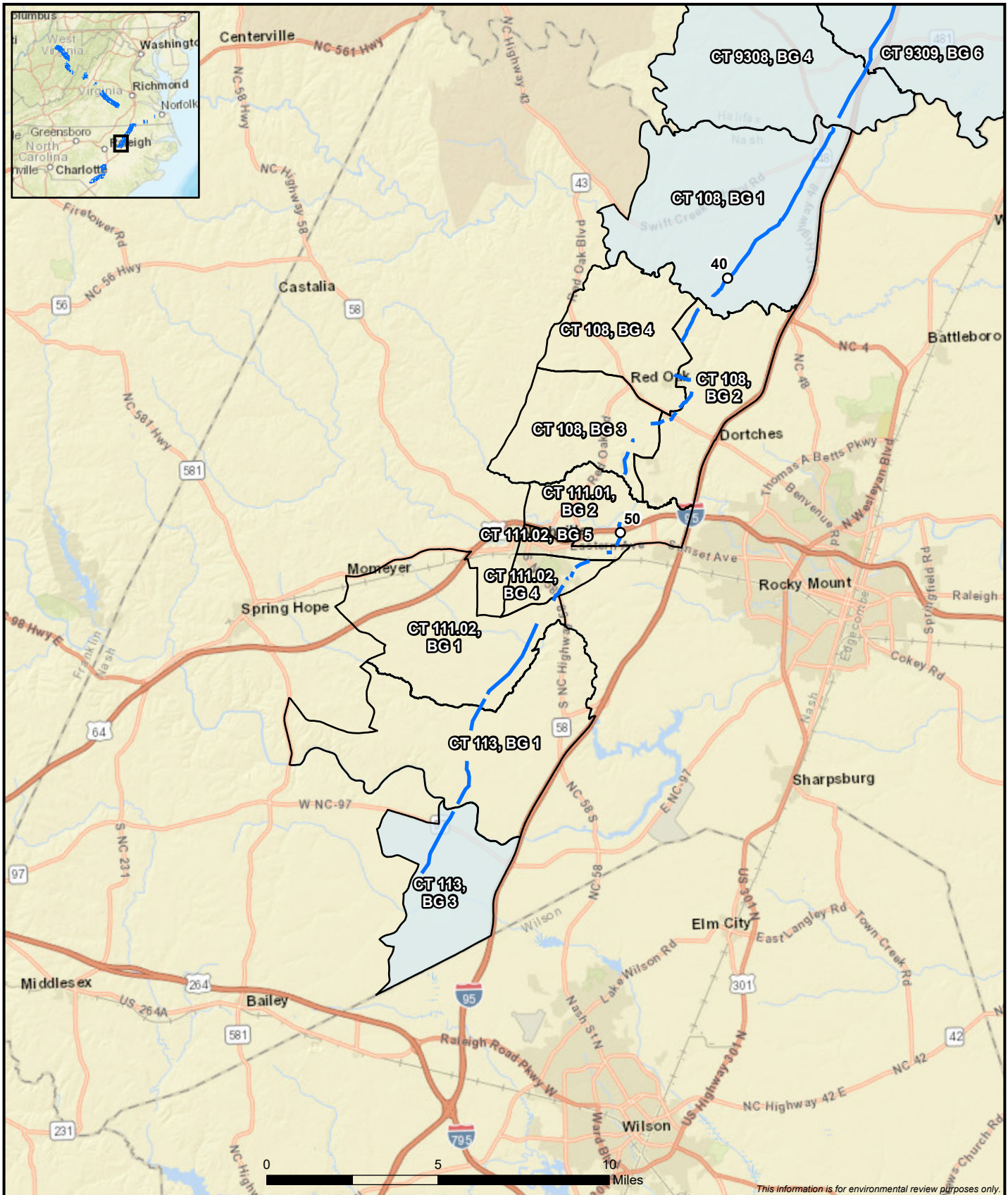
- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)

## Minority Populations ACP Restoration Project

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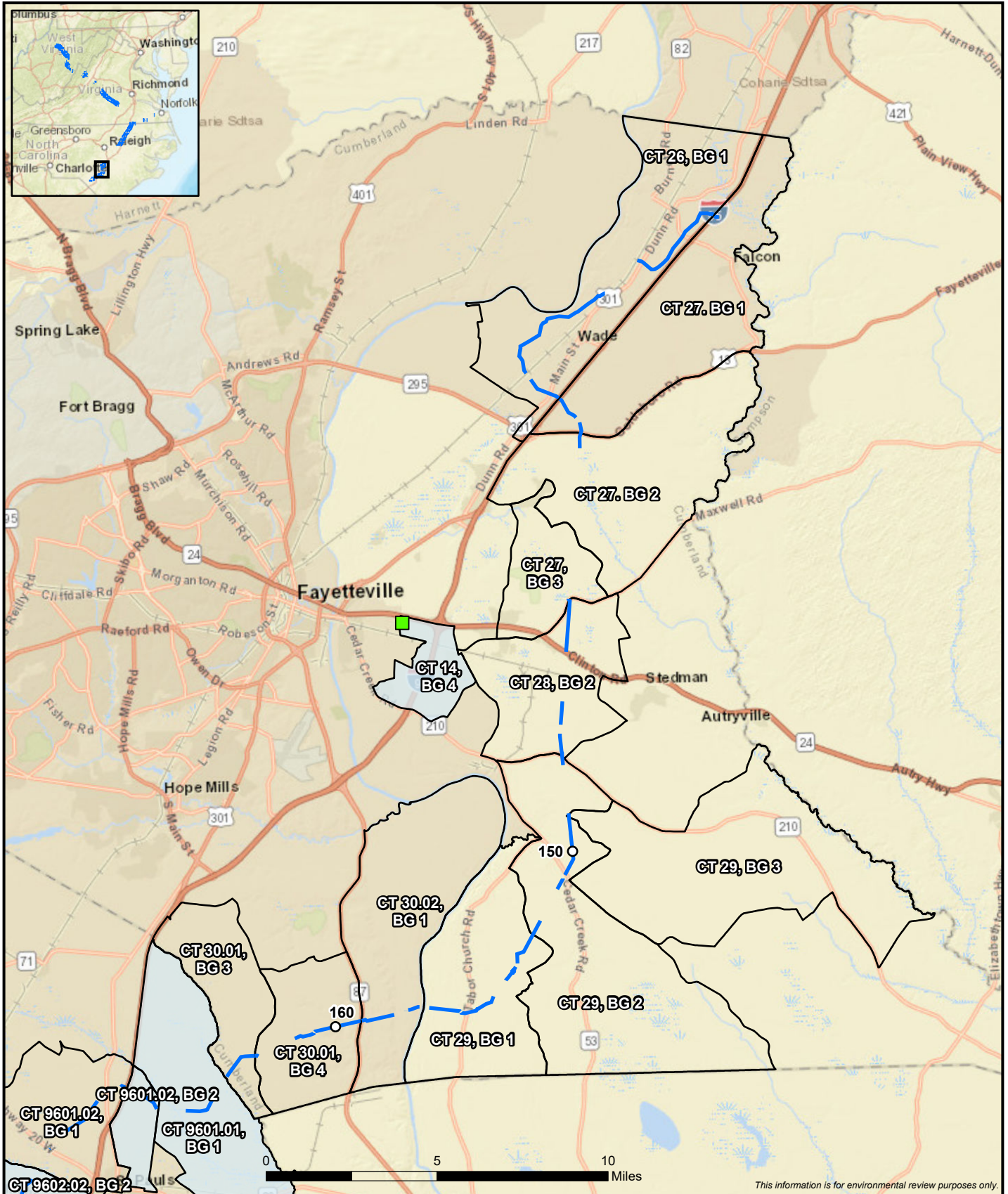
- Milepost
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)



### Minority Populations ACP Restoration Project







This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)

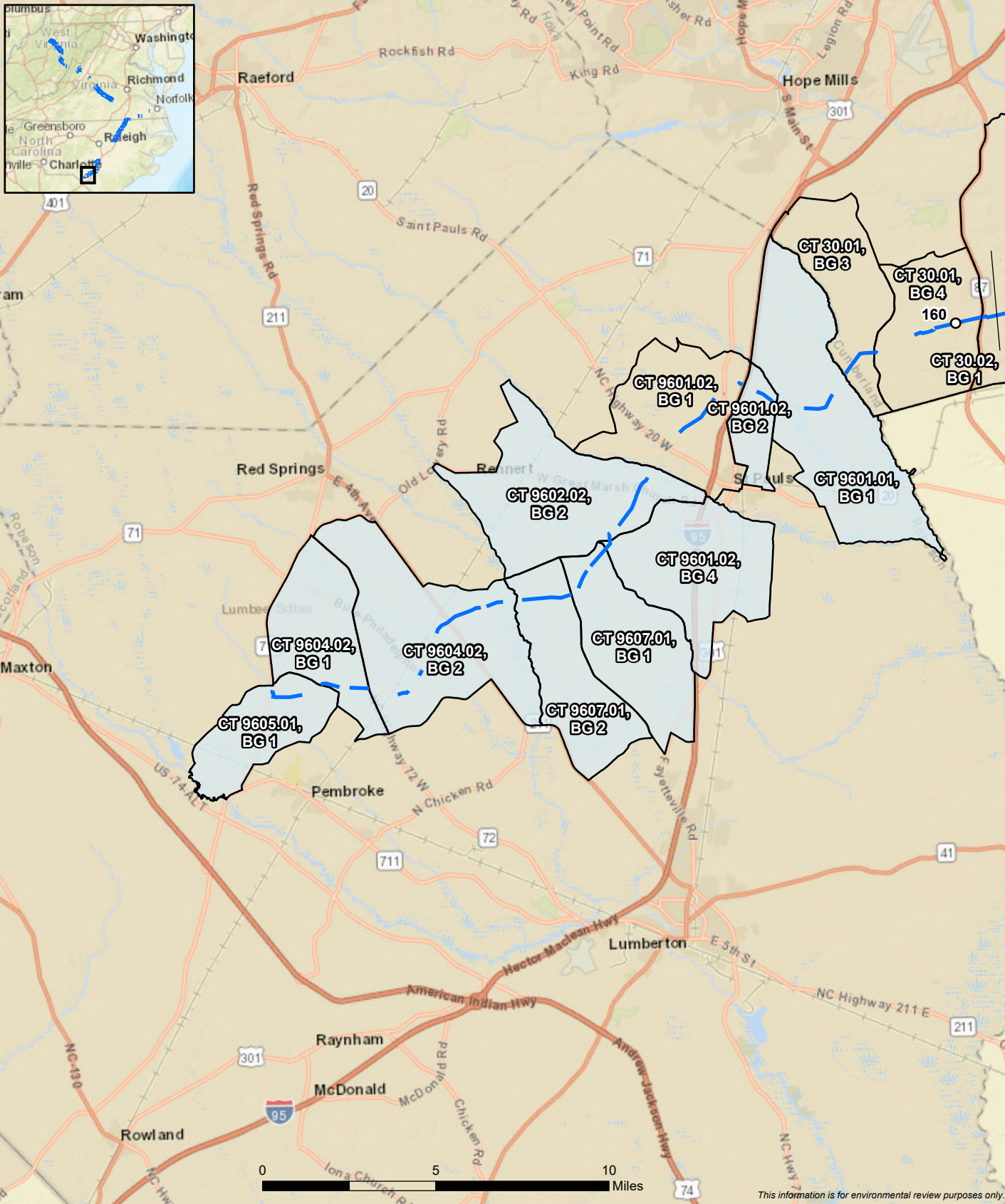


### Minority Populations ACP Restoration Project

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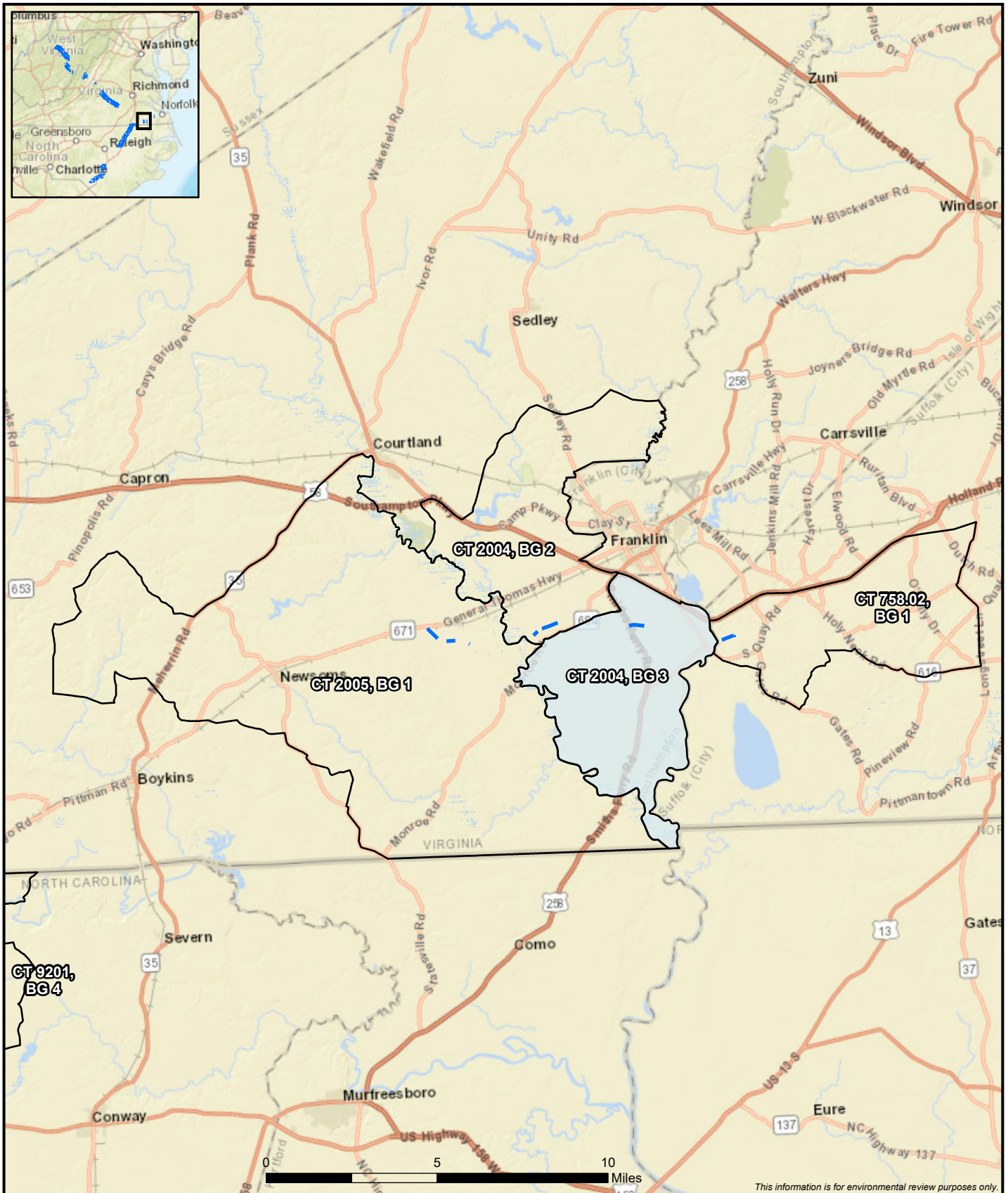
- Milepost
- ACP Restoration Project
- ▭ Census Block Group crossed by the Project
- Minority Population (Greater than 50% or 10% greater than county)

## Minority Populations ACP Restoration Project




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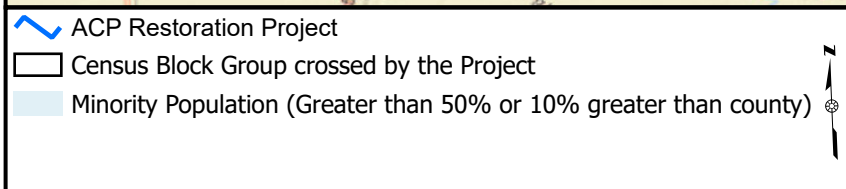
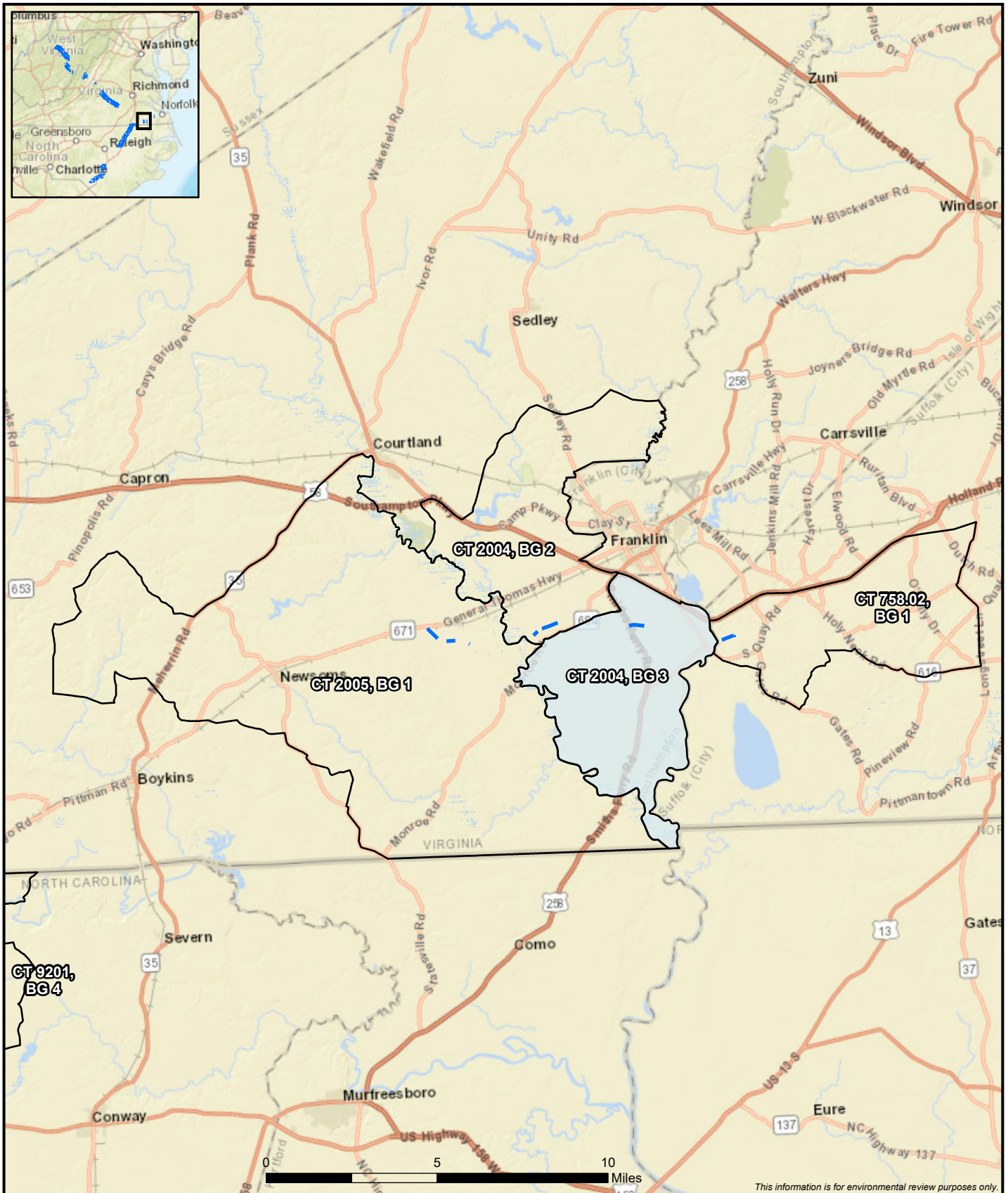
-  ACP Restoration Project
-  Census Block Group crossed by the Project
-  Minority Population (Greater than 50% or 10% greater than county)



**Minority Populations  
ACP Restoration Project**  
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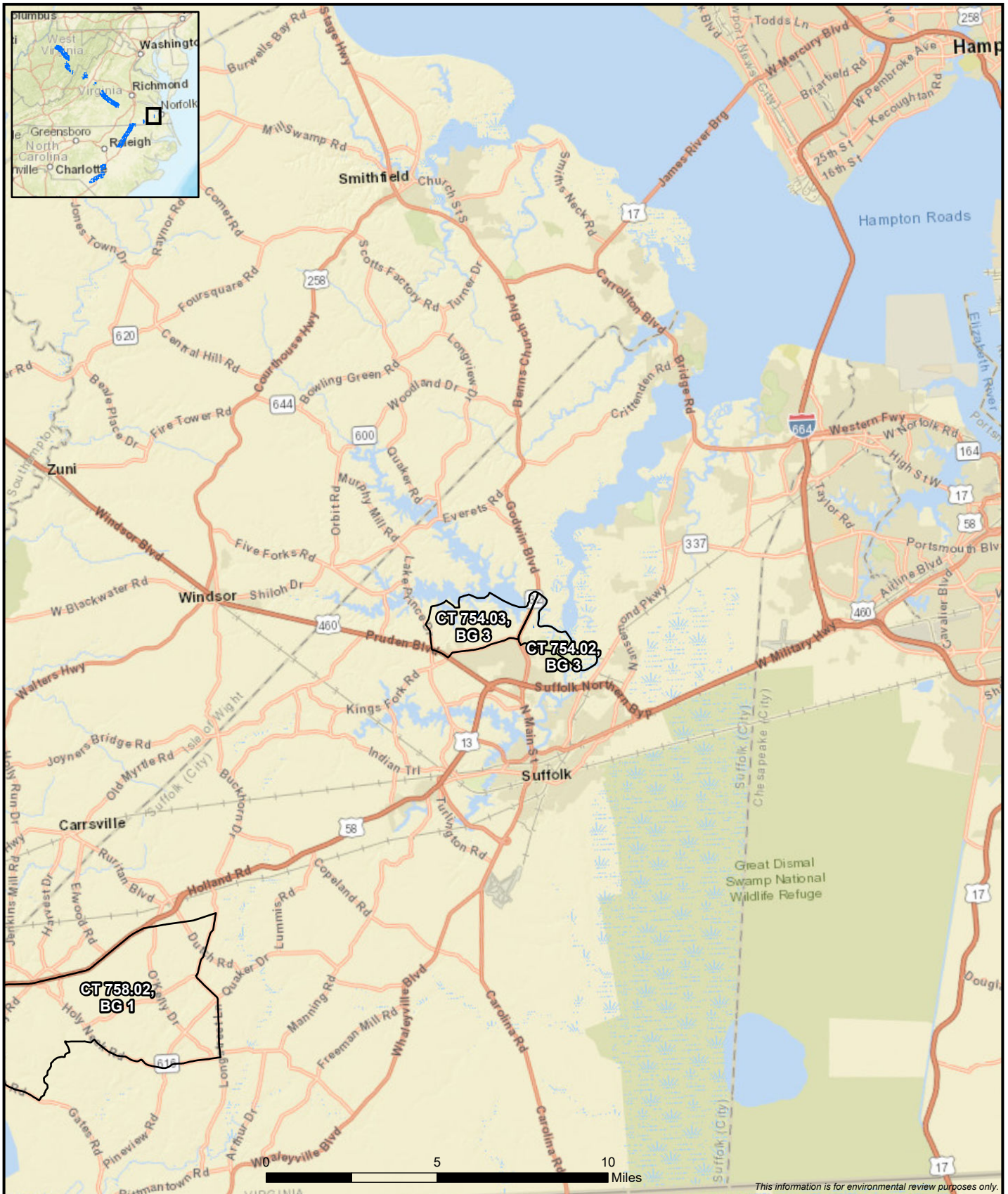


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
## Minority Populations ACP Restoration Project

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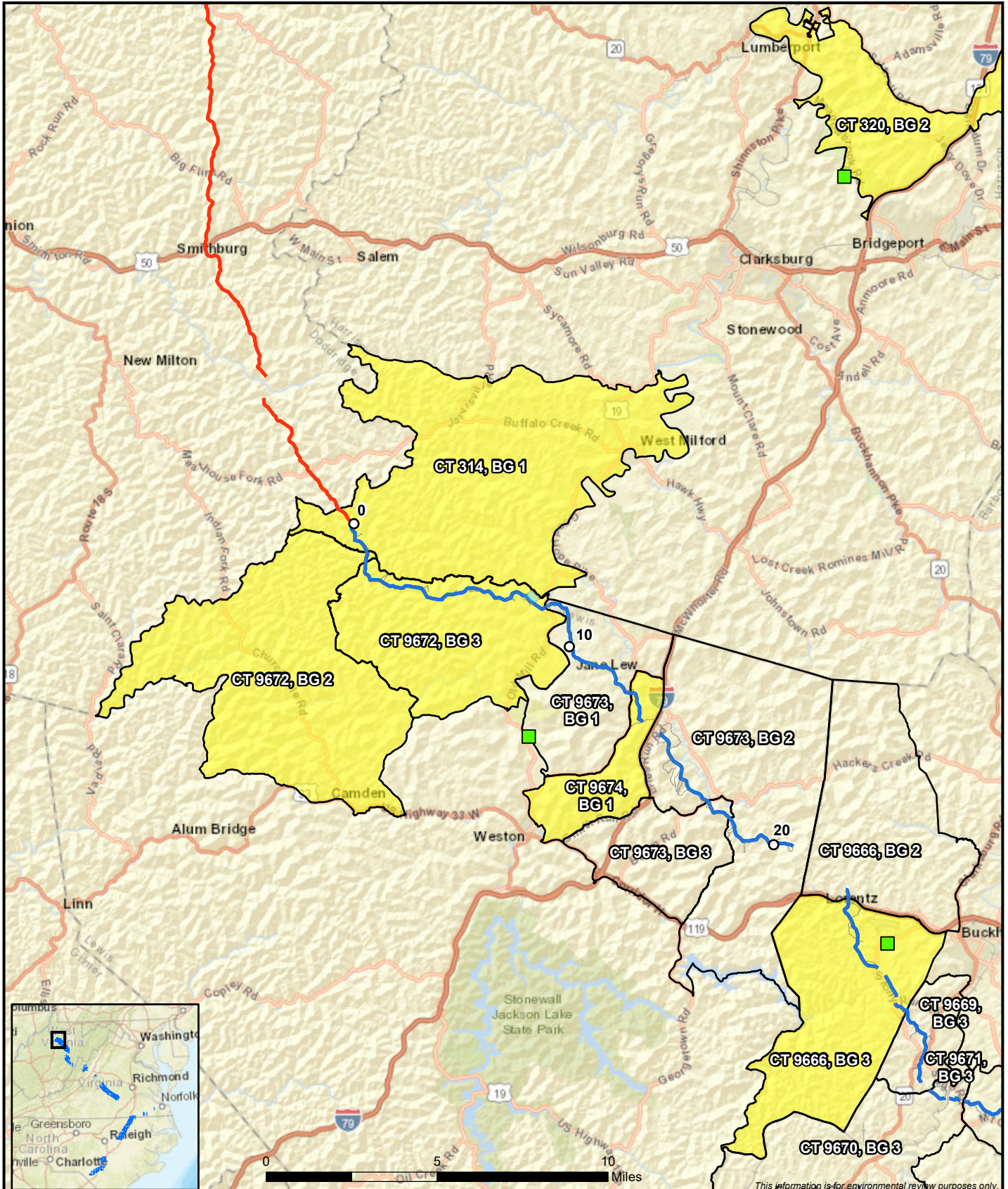
-  ACP Restoration Project
-  Census Block Group crossed by the Project



**Minority Populations  
ACP Restoration Project**  
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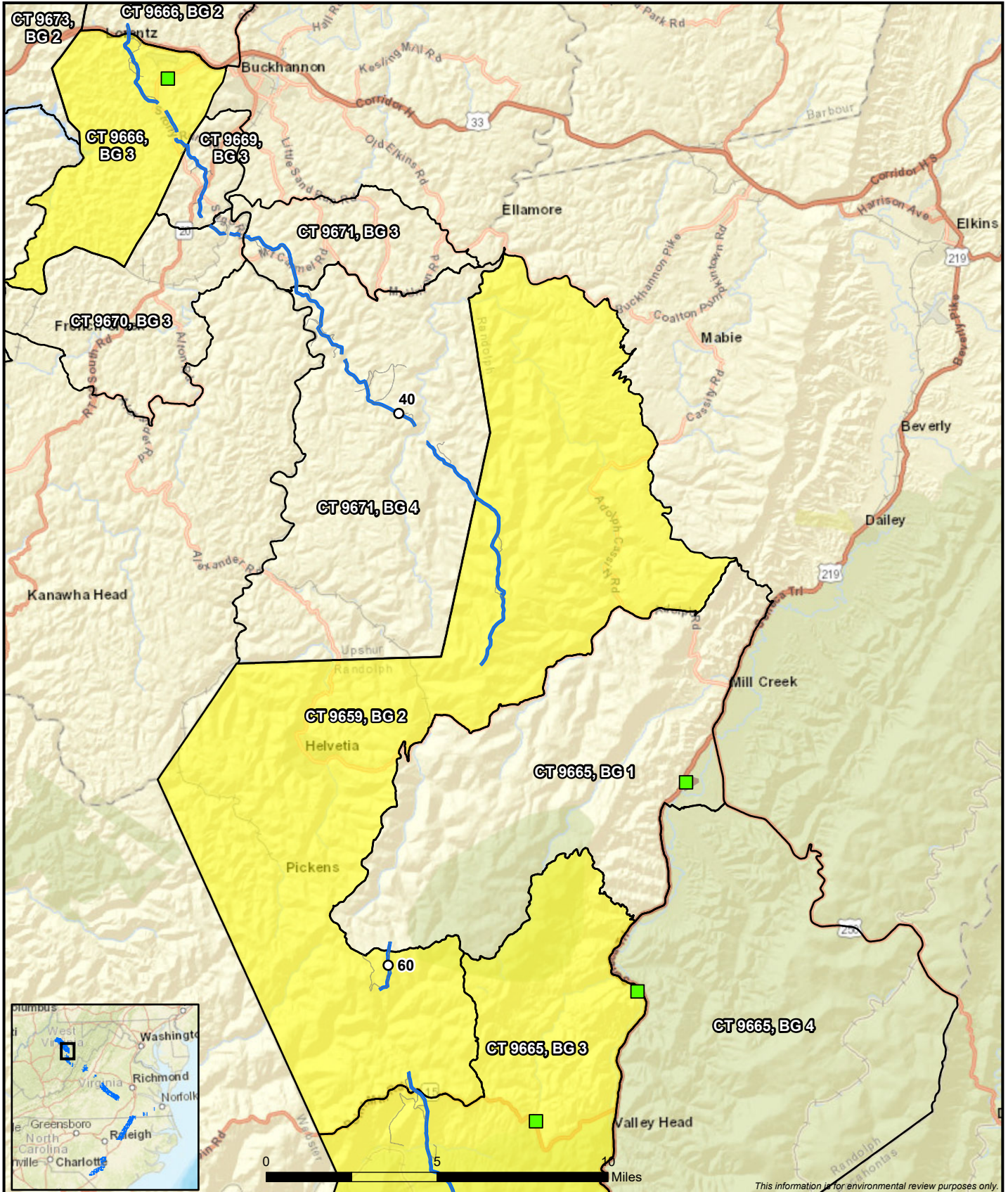
- Milepost
- Contractor Yard
- Supply Header Pipeline
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)



**Low-Income Populations  
ACP Restoration Project**  
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This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

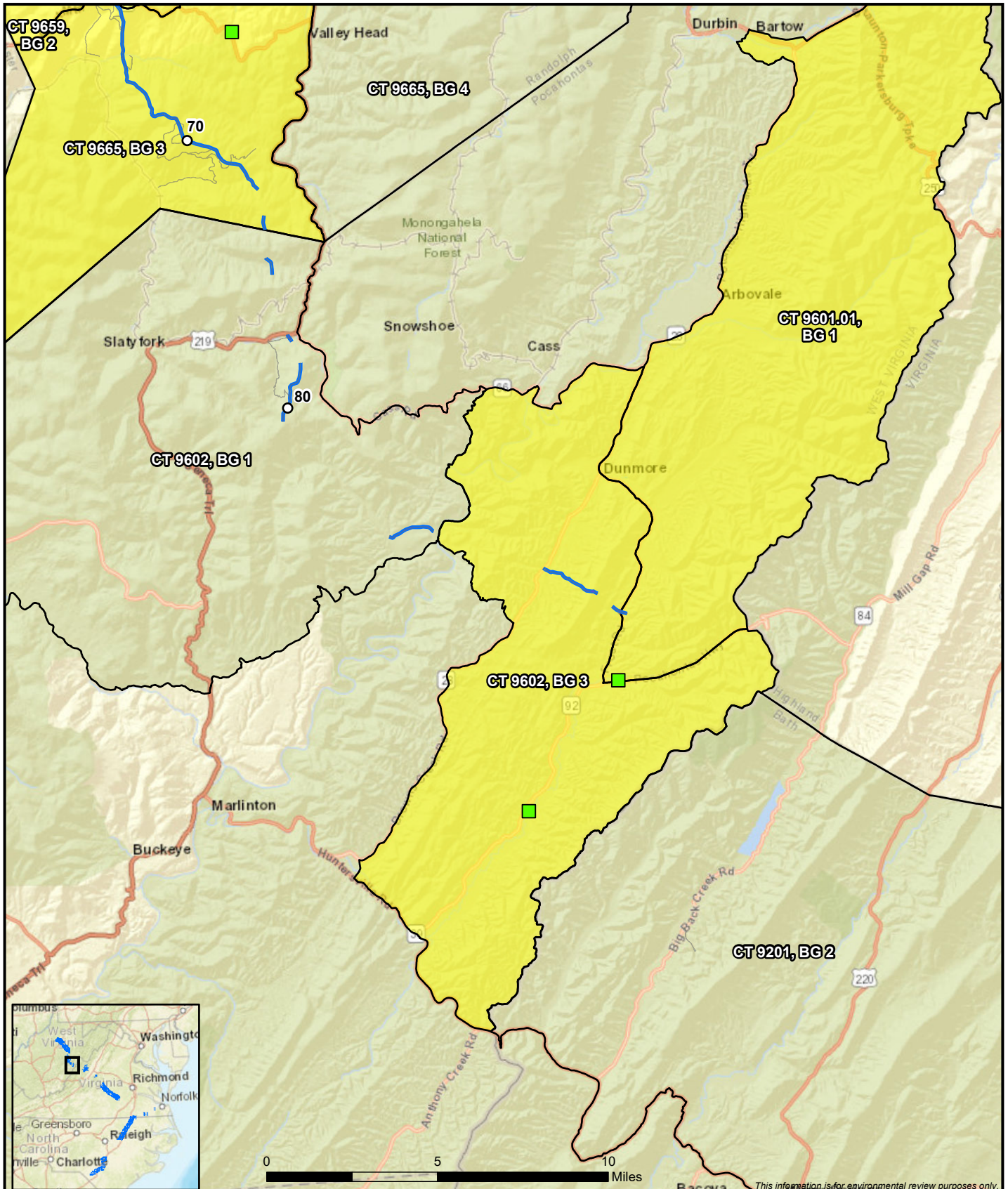


## Low-Income Populations ACP Restoration Project

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This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

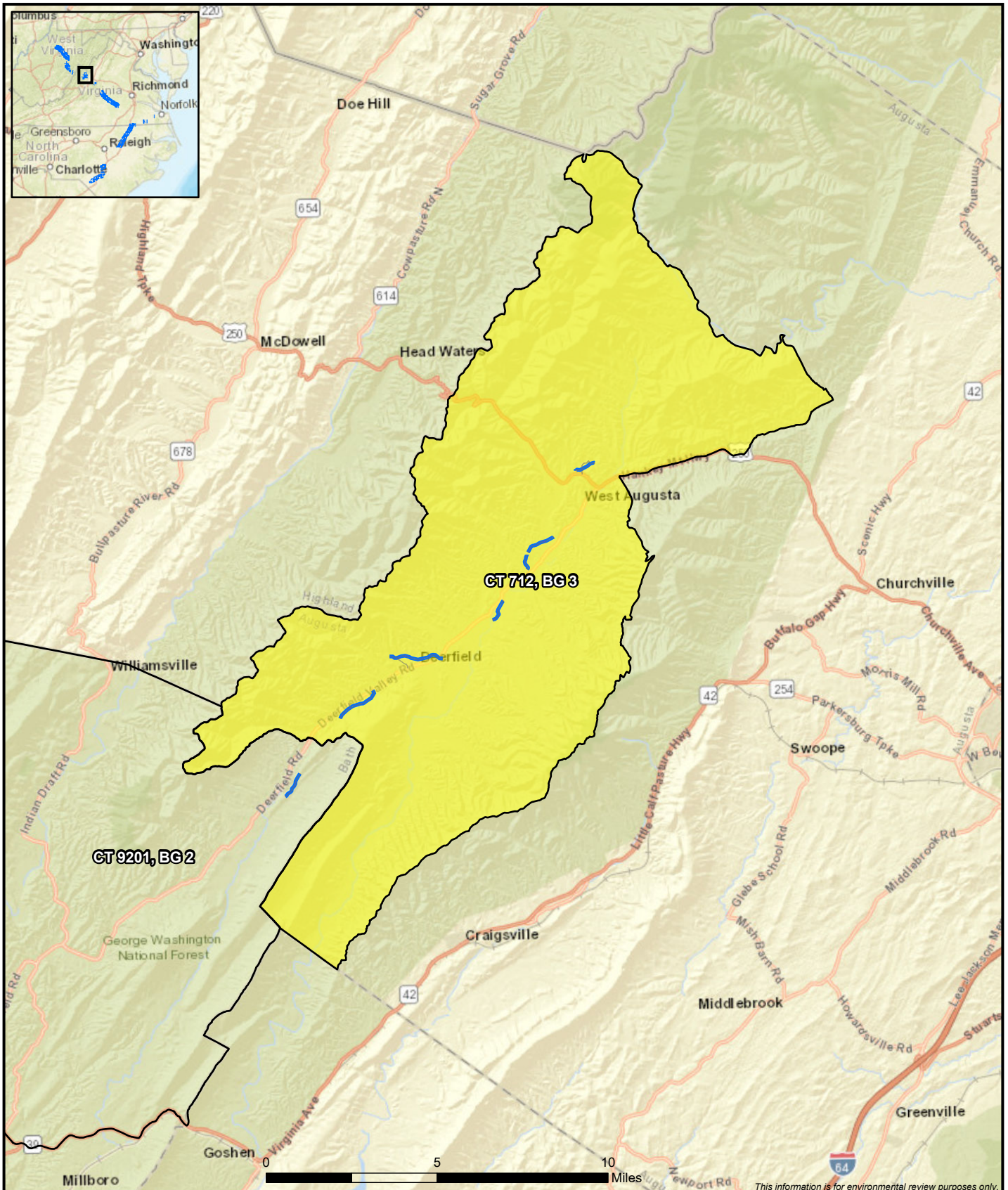


## Low-Income Populations ACP Restoration Project




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This information is for environmental review purposes only.

-  ACP Restoration Project
-  Census Block Group crossed by the Project
-  Low-Income Populations (equal to or greater than county)

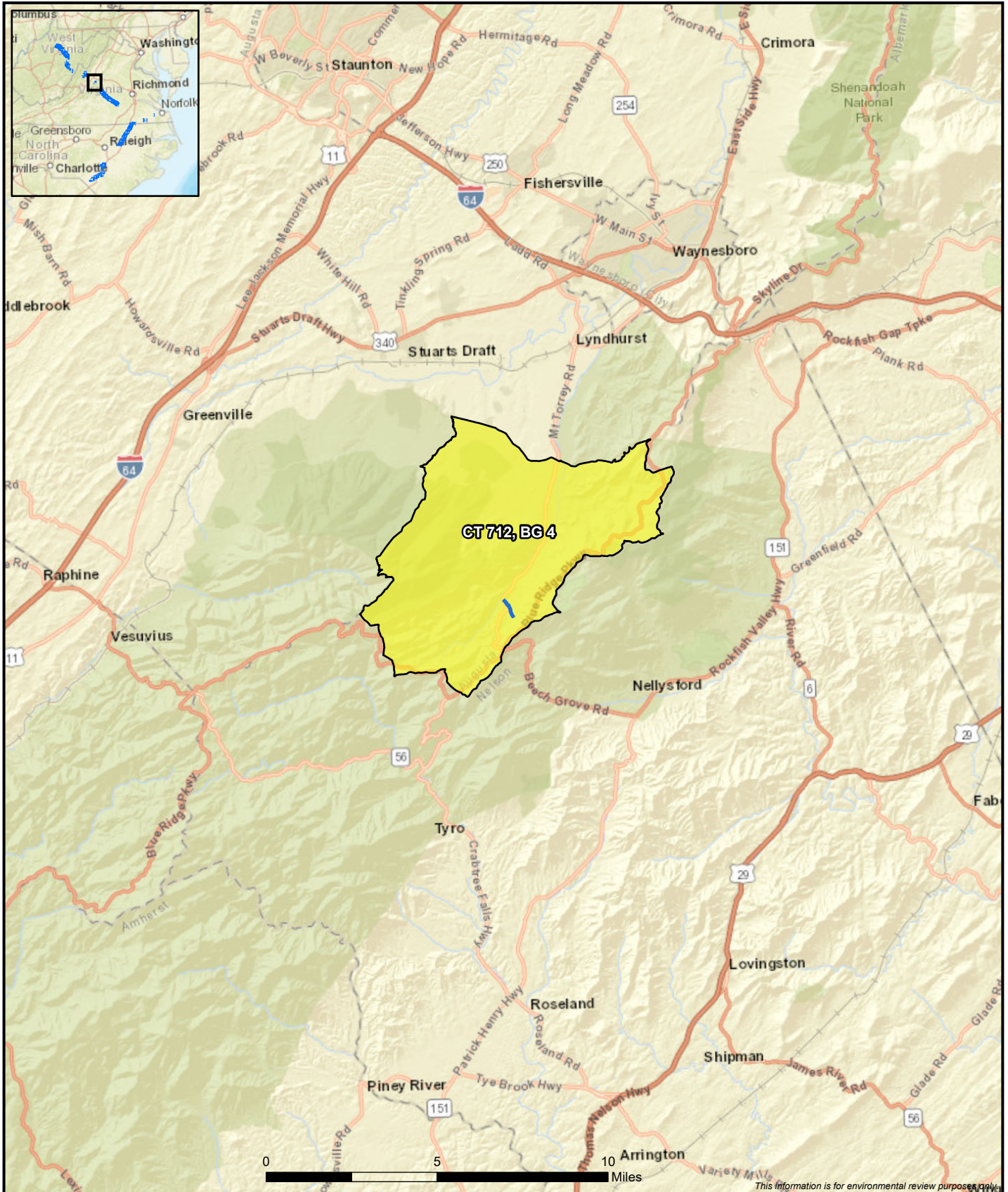


## Low-Income Populations ACP Restoration Project




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This information is for environmental review purposes only.

-  ACP Restoration Project
-  Census Block Group crossed by the Project
-  Low-Income Populations (equal to or greater than county)

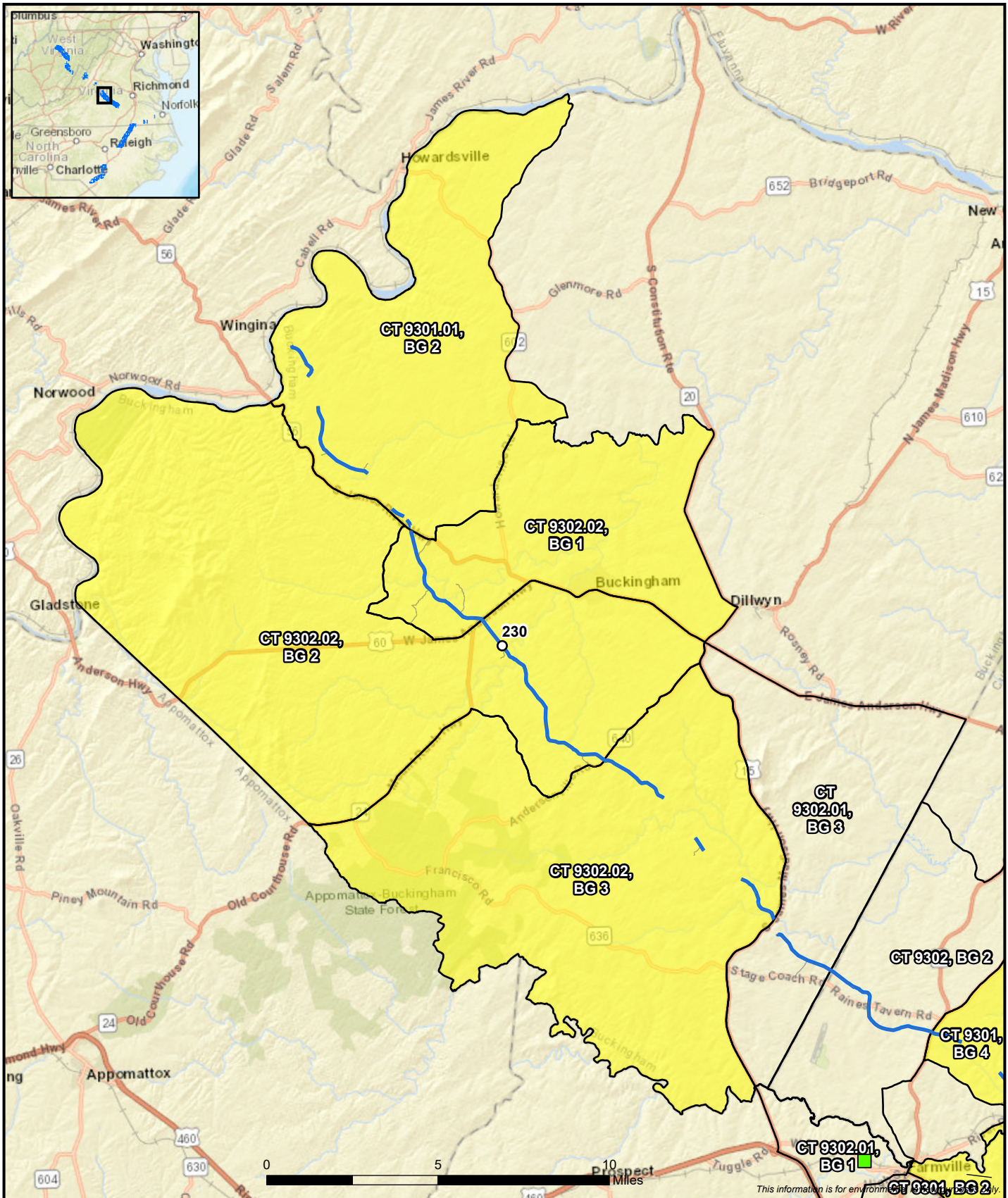


## Low-Income Populations ACP Restoration Project

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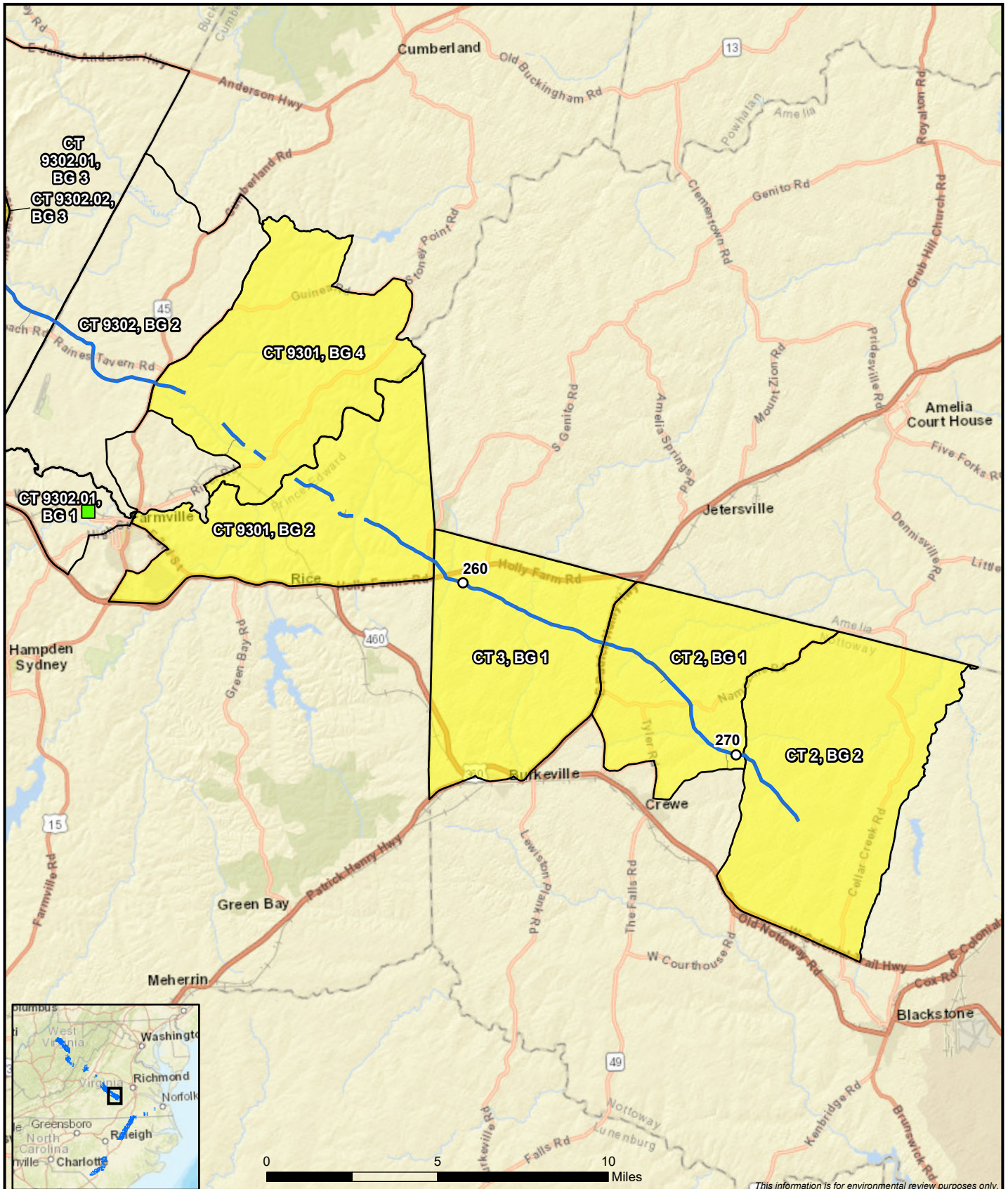


- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

**Low-Income Populations  
ACP Restoration Project**  
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This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

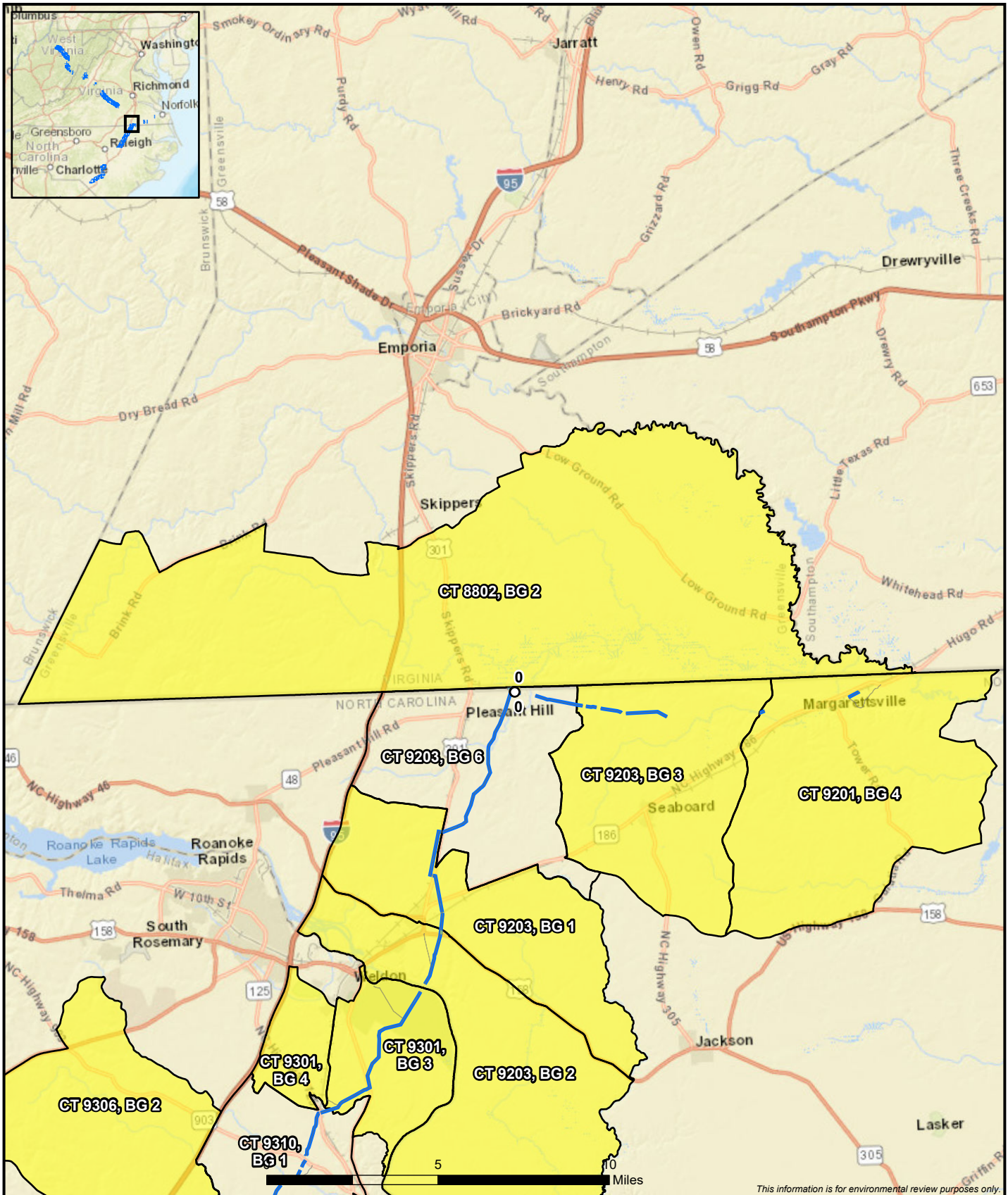


## Low-Income Populations ACP Restoration Project

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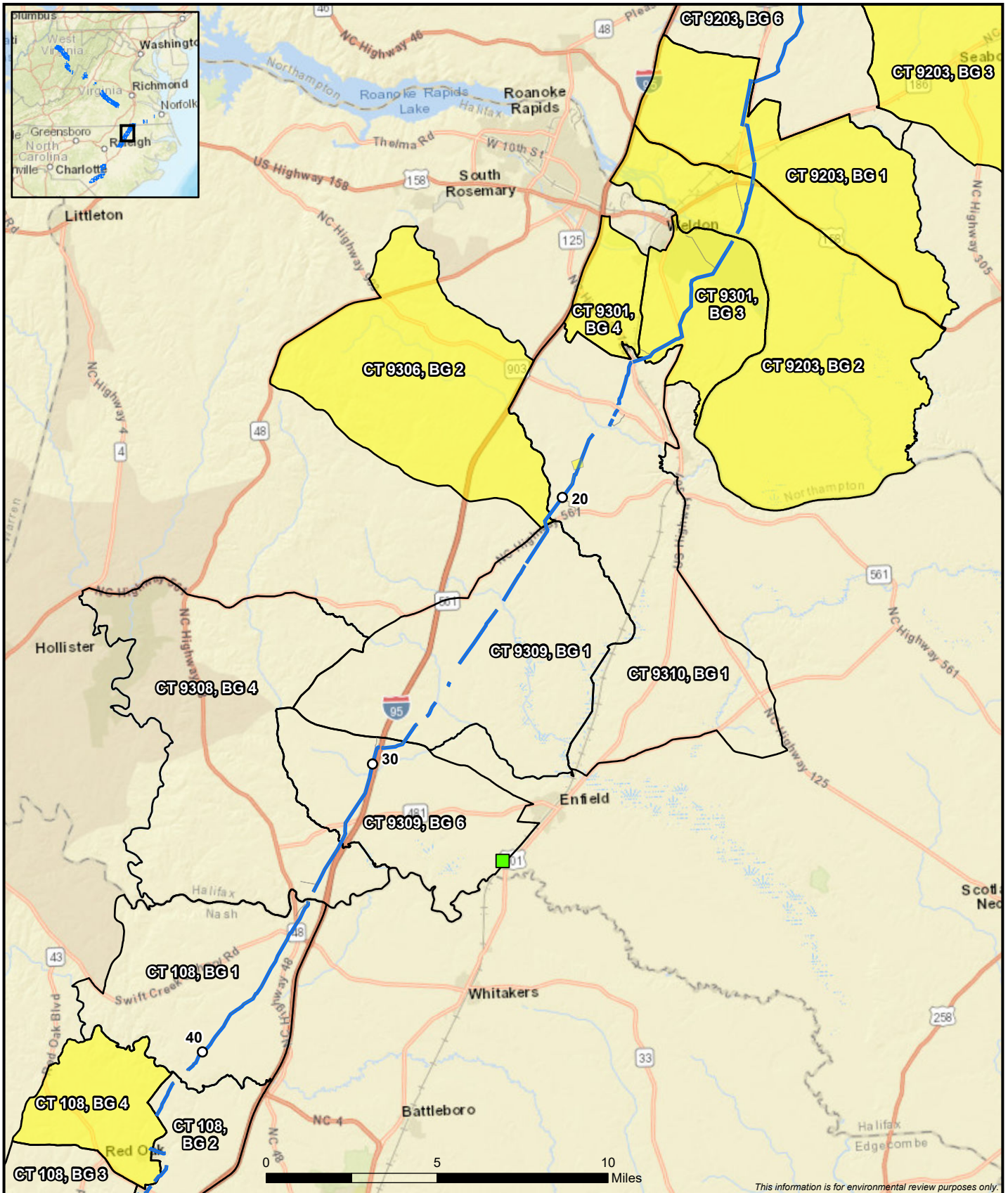
- Milepost
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)



**Low-Income Populations  
ACP Restoration Project**  
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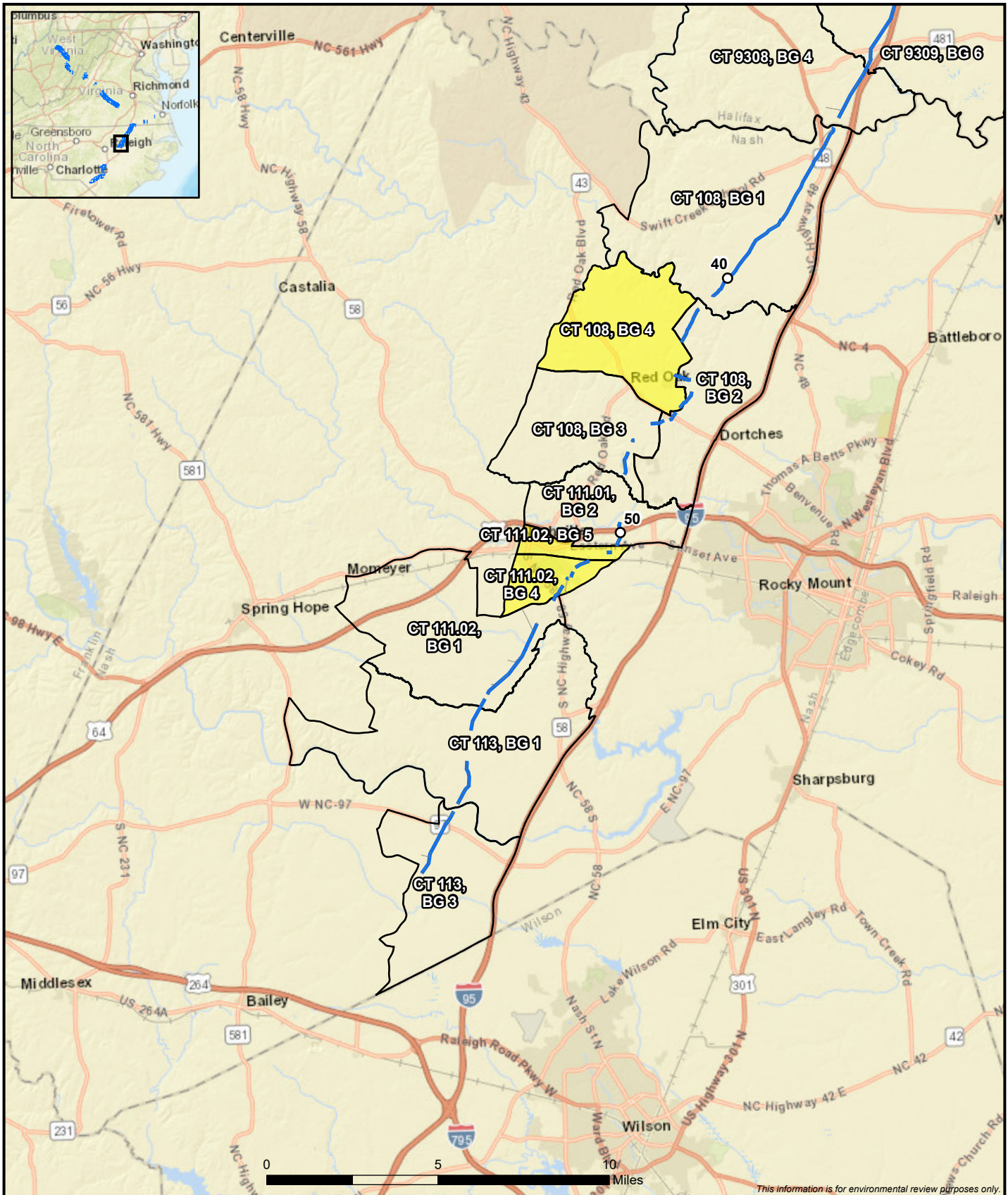
- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

### Low-Income Populations ACP Restoration Project

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This information is for environmental review purposes only.

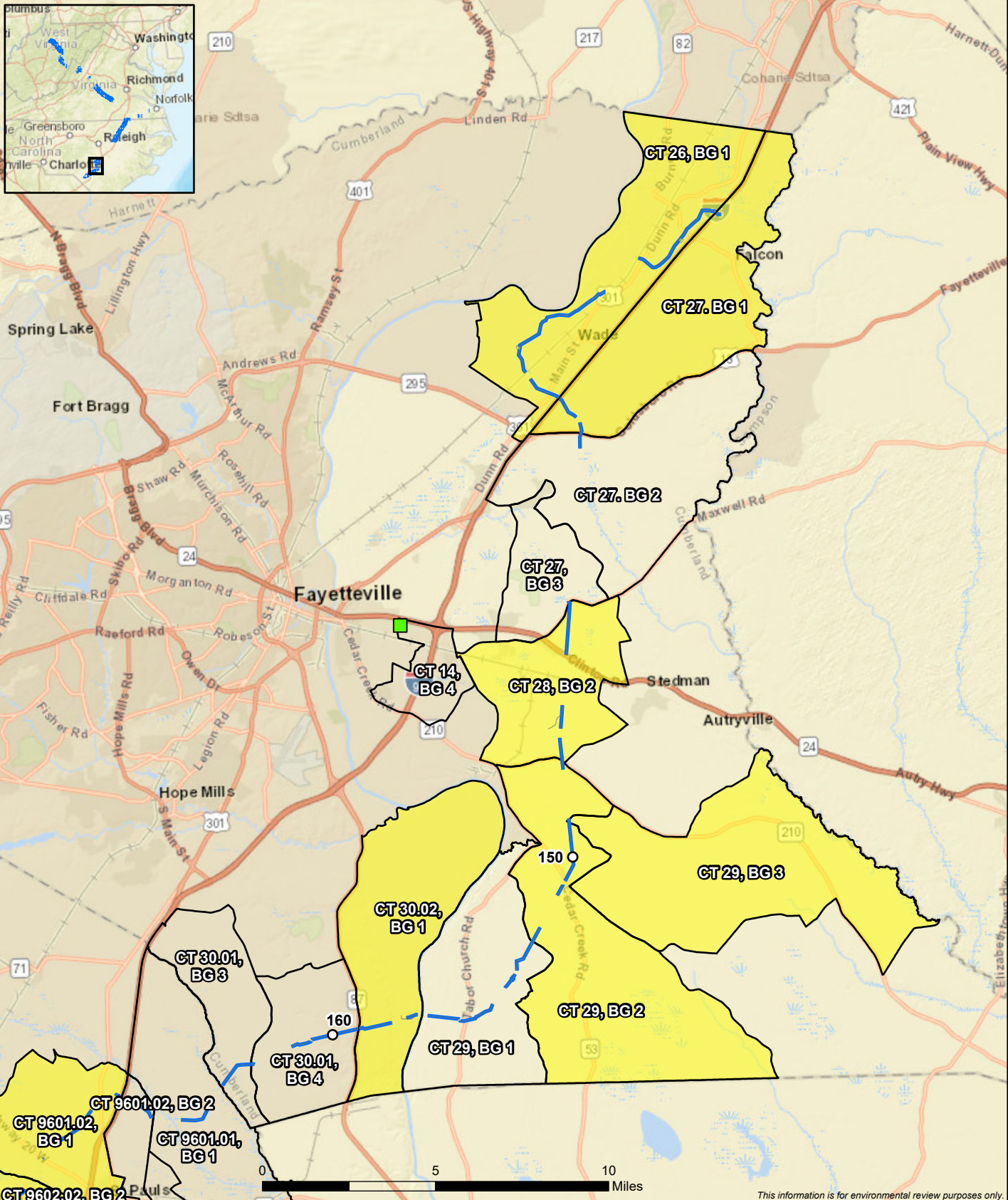
- Milepost
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)



**Low-Income Populations  
ACP Restoration Project**  
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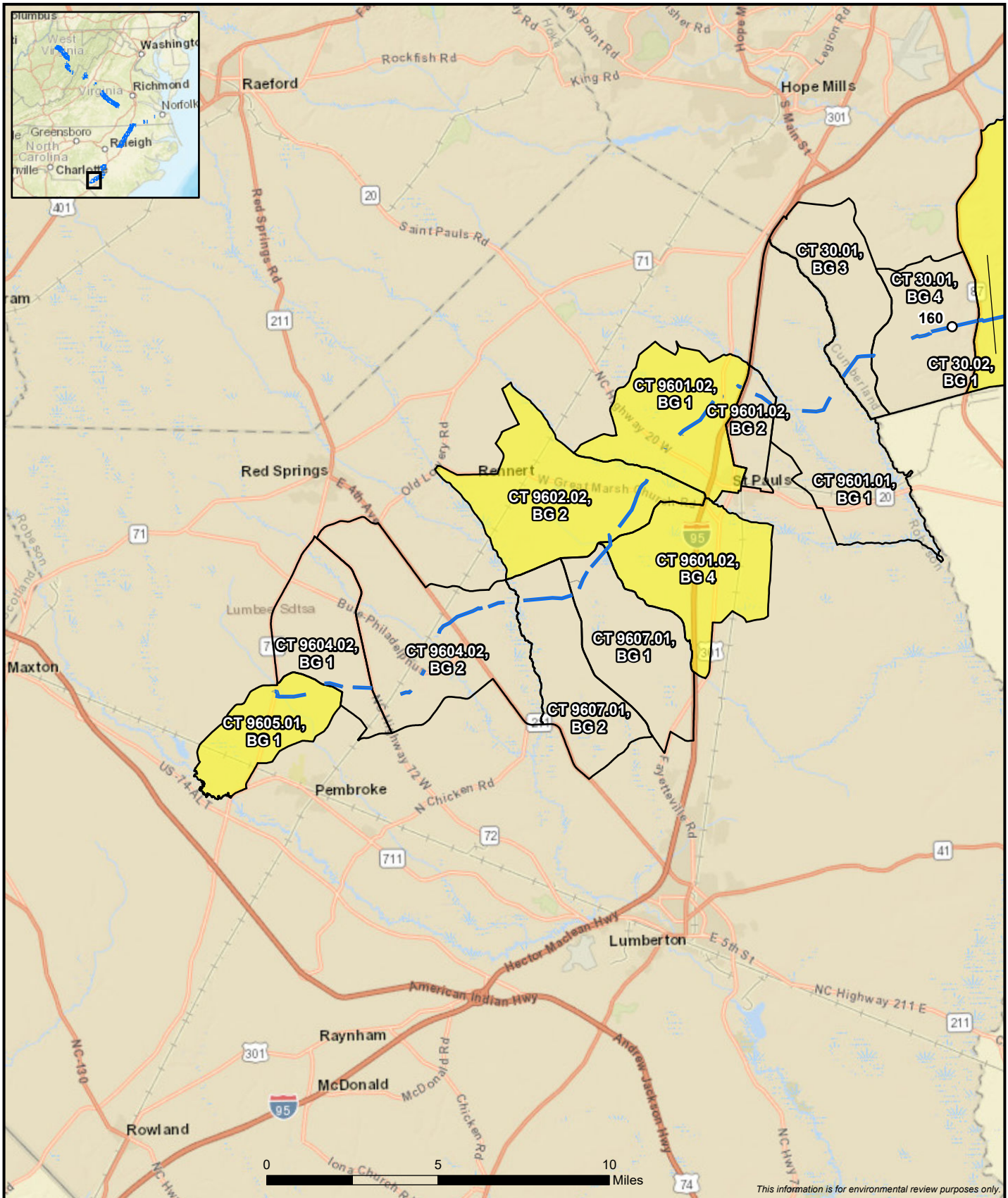
This information is for environmental review purposes only.

- Milepost
- Contractor Yard
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

**Low-Income Populations  
ACP Restoration Project**  
Page 11 of 14








This information is for environmental review purposes only.

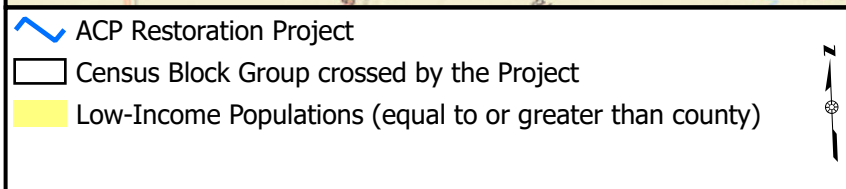
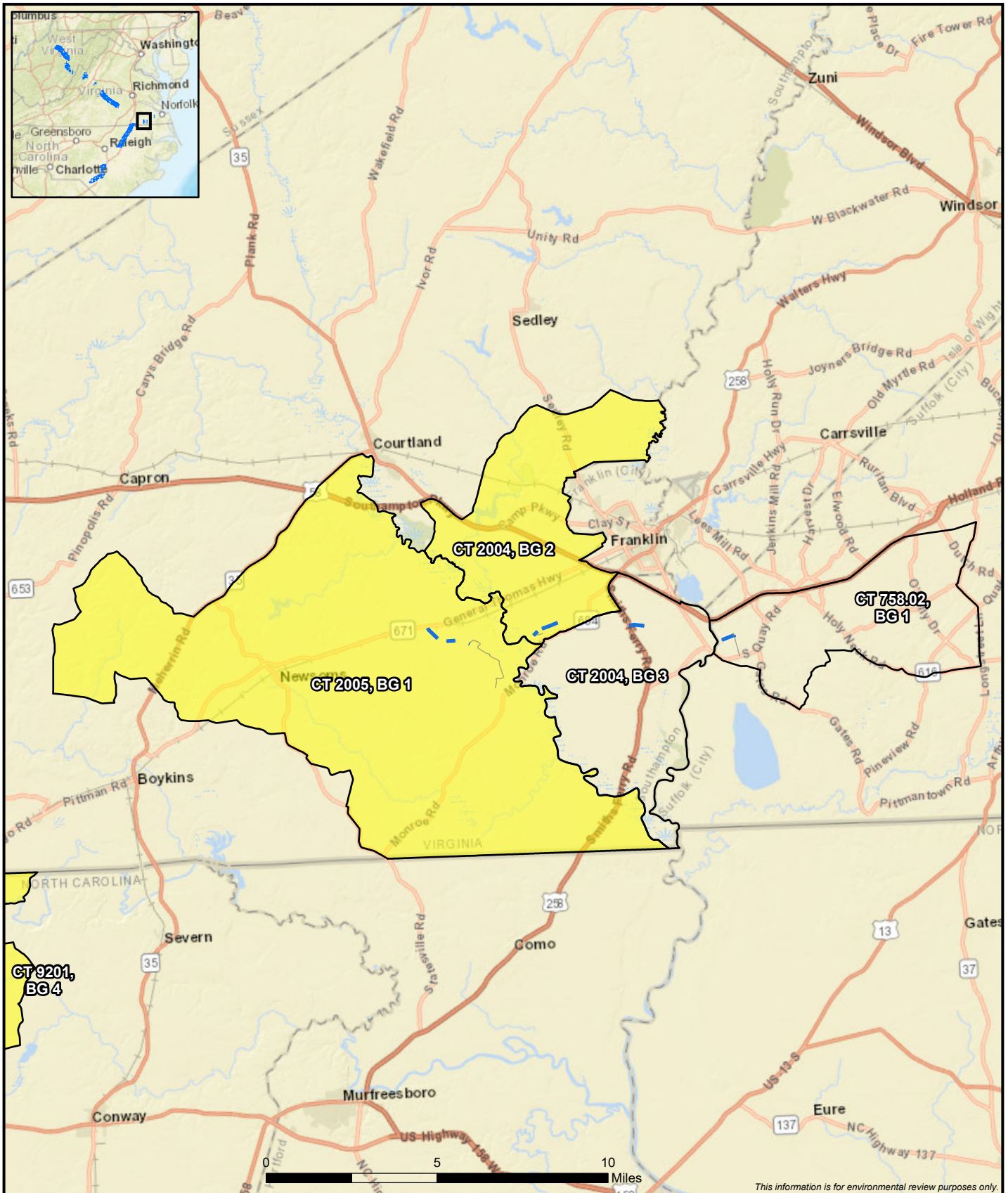
- Milepost
- ACP Restoration Project
- Census Block Group crossed by the Project
- Low-Income Populations (equal to or greater than county)

## Low-Income Populations ACP Restoration Project


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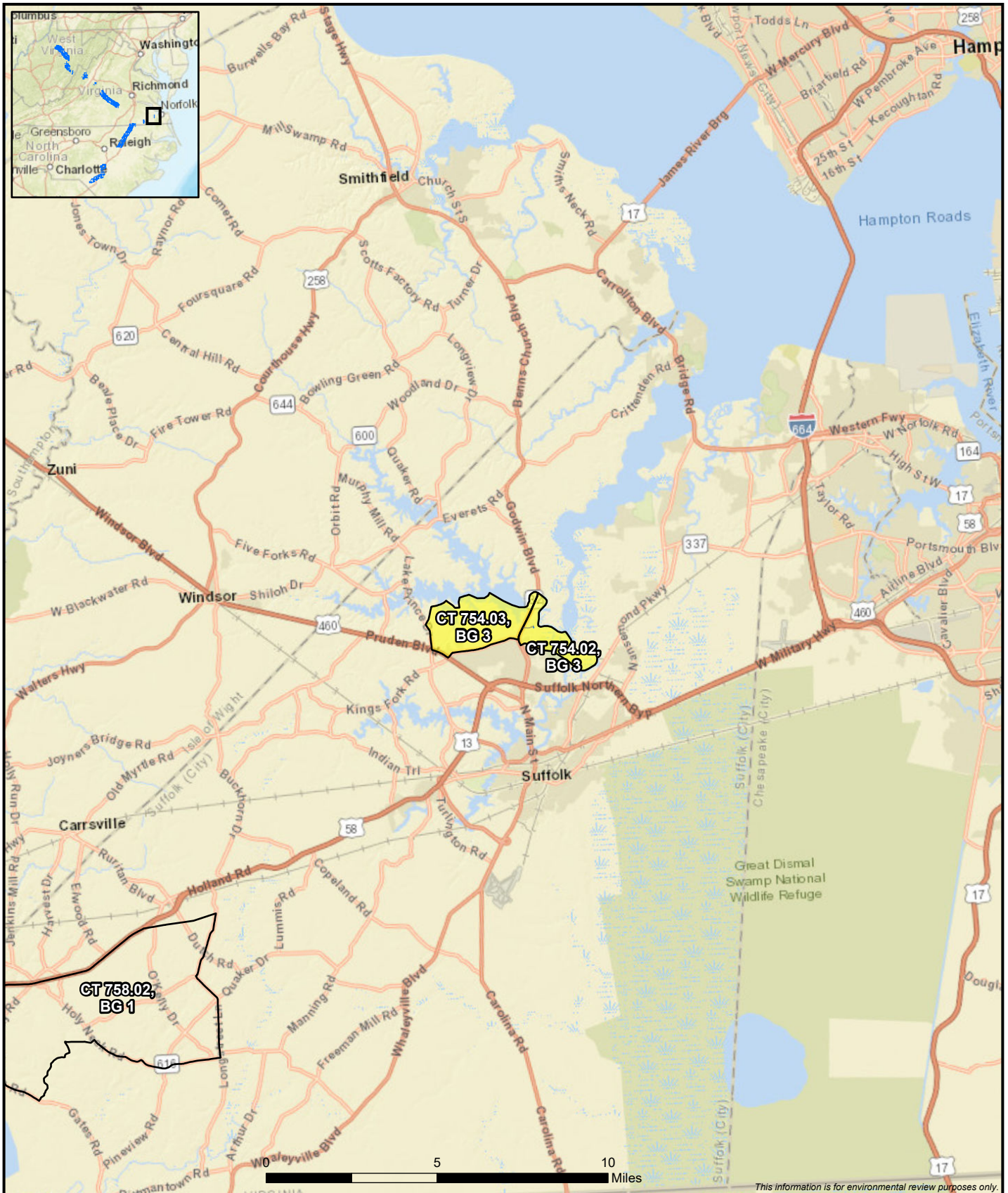





**Low-Income Populations  
ACP Restoration Project**  
Page 13 of 14








— ACP Restoration Project  
 Census Block Group crossed by the Project  
 Low-Income Populations (equal to or greater than county)



**Low-Income Populations  
 ACP Restoration Project**  
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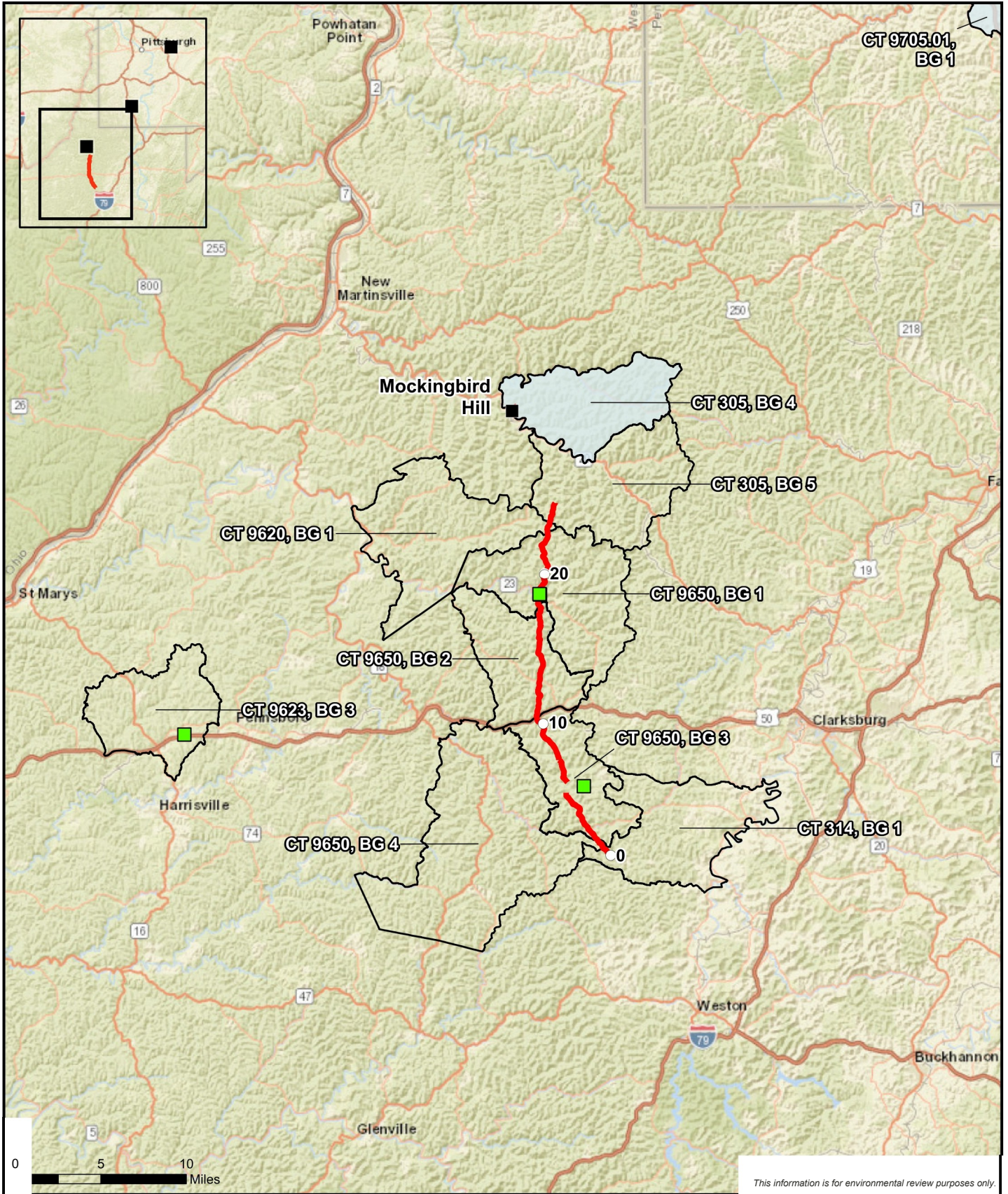
This information is for environmental review purposes only.

- “ Compressor Station
- ▭ Census Block Group crossed by the Project
- ▭ Minority Population (10 percent greater than county)

**Minority Populations  
SHP Restoration Project**  
Page 1 of 2







This information is for environmental review purposes only.

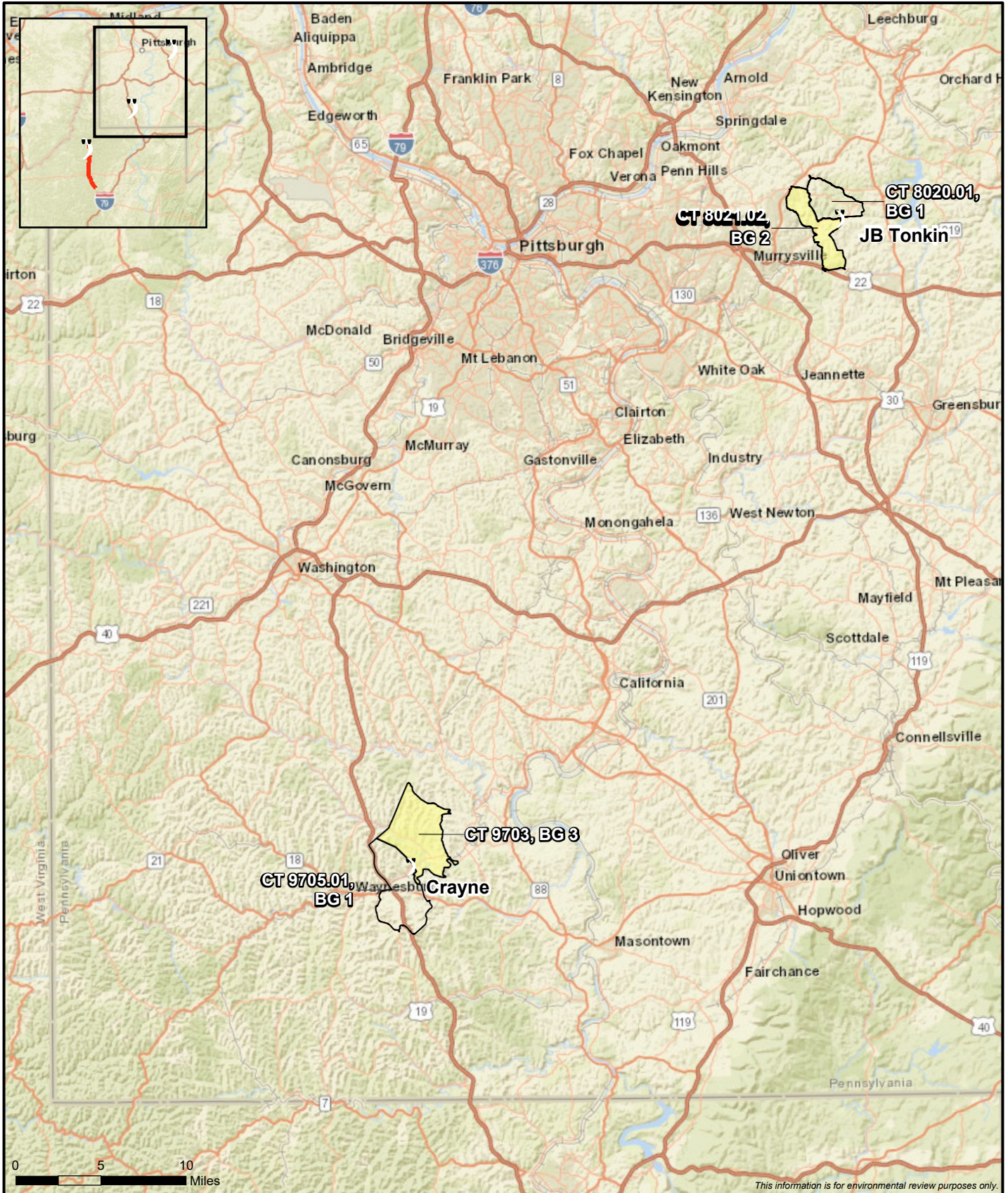
- Milepost
- Compressor Station
- D Contractor Yard
- 4' SHP Restoration Project
- D Census Block Group crossed by the Project
- Minority Population (10 percent greater than county)



**Minority Populations  
SHP Restoration Project**  
Page 2 of 2








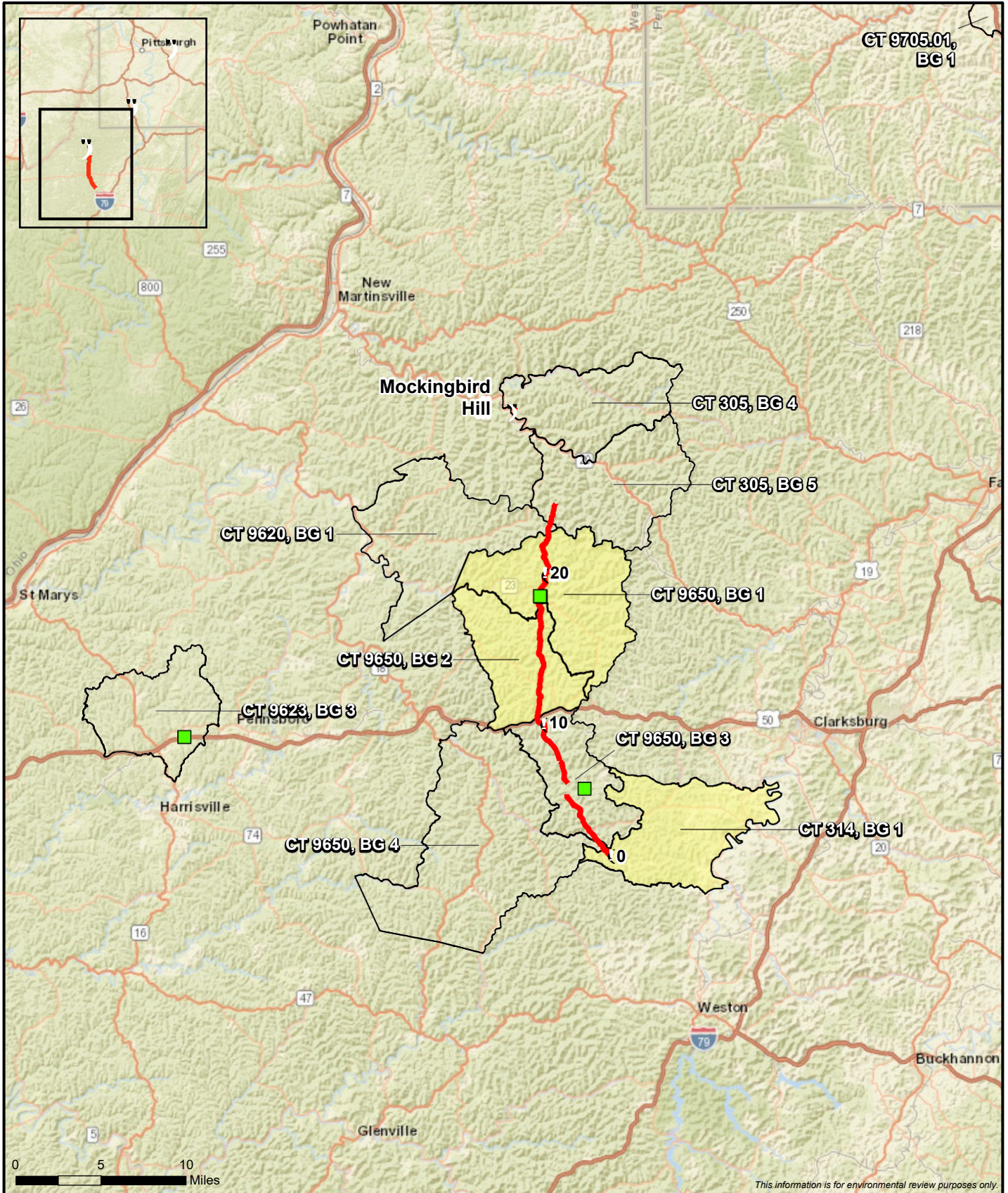
This information is for environmental review purposes only.







- “ Compressor Station
- ▭ Census Block Group crossed by the Project
- ▭ Low-Income Populations (equal to or greater than county)

**Low-Income Populations  
SHP Restoration Project**  
Page 1 of 2







-  Milepost
-  Compressor Station
-  Contractor Yard
-  SHP Restoration Project
-  Census Block Group crossed by the Project
-  Low-Income Populations (equal to or greater than county)

**Low-Income Populations  
SHP Restoration Project**  
Page 2 of 2



## **APPENDIX H**

**STATUS OF CULTURAL RESOURCES COMMITMENTS:  
TREATMENT PLANS AND DATA RECOVERY SITES**



**Table H-1  
Status of Cultural Resources Commitments: Treatment Plans and Data Recovery Sites  
Atlantic Coast Pipeline Construction Project**

Resource Name	Location	Plan Commitments	Actions or Non-Actions	Reasoning
<b>West Virginia</b>				
<b>Seneca State Forest Hiking Trail (PH-0092) and Seneca Hikers Shelter (PH-0095)</b>	Pocahontas County	Document resources with high resolution photographs.	None.	Resource will no longer be affected.
		Relocate portion of Allegheny Trail to reduce trail and project workspace overlap.	Completed, 10/14/2019.	
		Interpretive signage on trail and shelter.	Trail signage completed 10/14/2019	Shelter signage will be completed.
		Training and fencing to protect historic resources.	None.	No clearing or tree felling has been or will be conducted.
		History and context report.	None.	Resource will no longer be affected.
		Local history support – develop plan with WV State Parks Foundation to solicit funds for educational or preservation projects.	None.	Resource will no longer be affected.
		Post-construction documentation with high resolution panoramic photographs.	None.	Resource setting will no longer be affected.
		Revegetation and rehabilitation plan for trail and shelter.	None.	No clearing or tree felling has been or will be conducted.
<b>West Virginia Pulp and Paper Company Logging Railroad</b>	Pocahontas County	Document condition of resource with high-resolution panoramic photographs.	None.	Resource setting will no longer be affected.
		Training and fencing to protect historic resources.	None.	No clearing or tree felling has been or will be conducted.

**Table H-1  
Status of Cultural Resources Commitments: Treatment Plans and Data Recovery Sites  
Atlantic Coast Pipeline Construction Project**

<b>Resource Name</b>	<b>Location</b>	<b>Plan Commitments</b>	<b>Actions or Non-Actions</b>	<b>Reasoning</b>
		Public outreach to provide historical information about railroad and general support of local history.	None.	Resource will no longer be affected.
		Document and map the 35-mile extent of the railroad; prepare NRHP nomination; prepare interactive website and maps.	None.	Resource will no longer be affected.
		Local history support.	Completed, \$25,000 to Mountain State Railroad and Logging Historical Association, 12/13/2019.	
<b>Virginia</b>				
<b>44AU0024</b>	Augusta County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44AU0907</b>	Augusta County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44SK0585</b>	Suffolk County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44CS0346</b>	City of Chesapeake	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44GV0388</b>	Greenville County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44SK0612</b>	City of Suffolk	Data recovery.	None.	No ground disturbances have occurred, and none are planned.

**Table H-1  
Status of Cultural Resources Commitments: Treatment Plans and Data Recovery Sites  
Atlantic Coast Pipeline Construction Project**

<b>Resource Name</b>	<b>Location</b>	<b>Plan Commitments</b>	<b>Actions or Non-Actions</b>	<b>Reasoning</b>
<b>44SN0342</b>	Southampton County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>44PE0111</b>	Prince Edward County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>Rock Walls and Rock Features (007-5765)</b>	Augusta County	Document rock walls and linear features prior to moving.	Completed, 10/6/2018.	
		Establish a storage area.	Completed, 9/6/2018.	
		Dismantle Rock Walls 1 and 3.	Completed, 10/31/2018 and 11/1/2018.	
		Store rocks in fenced area outside of workspace.	Completed, 10/31/2018 and 11/1/2018.	
		Rebuild Rock Walls 1 and 3 in their original location by professional stone setters.	To be completed.	Restore integrity of the resource to pre-construction condition.
		Public outreach.	To be completed	
		Revegetation plan.	None.	Limited clearing was conducted. No right-of-way will be maintained; easement agreement requires that all timber, brush, stumps, or other vegetation be removed.
<b>Warminster Rural Historic District</b>	Nelson County	Take digital photos of project route through district.	Completed, 7/19/2017.	

**Table H-1  
Status of Cultural Resources Commitments: Treatment Plans and Data Recovery Sites  
Atlantic Coast Pipeline Construction Project**

<b>Resource Name</b>	<b>Location</b>	<b>Plan Commitments</b>	<b>Actions or Non-Actions</b>	<b>Reasoning</b>
<b>(062-5160)</b>		Record oral history.	None.	Resource will no longer be affected.
		Revegetation Plan - plant native trees to reduce visual impact.	None.	No clearing or tree felling has been or will be conducted.
		Clear vegetation at Simpson Mausoleum and stabilize if necessary.	None.	No clearing or tree felling has been or will be conducted.
		Public outreach and interactive Map.	None.	Resource will no longer be affected.
		Local history support.	Completed, \$75,000 to NCHS, 12/3/2018.	
<b>South Rockfish Valley Rural Historic District (062-5119)</b>	Nelson County	Revegetation Plan.	None.	No clearing or tree felling has been or will be conducted.
		Archaeological investigations at Coleman Mill.	None.	Resource will no longer be affected.
		Local history support.	None.	Resource will no longer be affected.
<b>Wilderness Farm (008-0011)</b>	Bath County	Document resource with high resolution panoramic photographs.	None.	Resource will no longer be affected.
		Revegetation Plan - plant native trees to reduce visual impact.	None.	No clearing or tree felling has been or will be conducted.
		Provide additional information on the property in the form of a historical narrative to augment the NRHP nomination.	None.	Resource will no longer be affected.

**Table H-1  
Status of Cultural Resources Commitments: Treatment Plans and Data Recovery Sites  
Atlantic Coast Pipeline Construction Project**

Resource Name	Location	Plan Commitments	Actions or Non-Actions	Reasoning
		Local history support.	Completed, \$75,000 payment to Preservation Bath, 9/4/2019.	
<b>North Carolina</b>				
<b>31CD2100</b>	Cumberland County	Data recovery.	Report submitted to SHPO and consulting parties and filed with FERC September 30, 2021.	Excavations were partially completed.
<b>31JT423</b>	Johnston County	Data recovery.	Report submitted to SHPO and consulting parties and filed with FERC September 30, 2021	Excavations were partially completed.
<b>31NP391</b>	Northampton County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.
<b>31NP392</b>	Northampton County	Data recovery.	None.	No ground disturbances have occurred, and none are planned.

## **APPENDIX I**

### **CUMULATIVE ACTIONS**

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
<b>FERC-Jurisdictional Projects</b>								
AP-1	Supply Header Project (SHP)	Eastern Gas Transmission and Storage, Inc. (formerly Dominion Energy Transmission, Inc.)	Harrison County, WV	Construction of the SHP	0.0	0.0 mile	Construction activities initiated 2018 but currently suspended	Present
AP-1	Rover Pipeline Project	Rover Pipeline, LLC; Panhandle Eastern Pipeline Company LP; Trunkline Gas Company, LLC	Monroe County, OH; Marshall, Tyler, Webster, and Doddridge Counties, WV	New natural gas pipeline and facilities	0.0	12.0 miles northwest	Construction during 2017	Past
<b>Nonjurisdictional Natural Gas Projects</b>								
AP-1	Transcontinental Gas Pipeline Company LLC	Transcontinental Gas Pipeline Company, LLC	Nelson City County, VA	Expansion of an existing gas pipeline	227.7	0.0 mile	Construction during 2018	Past
AP-2	Piedmont Facility Modifications	Piedmont Natural Gas	Johnston County, VA	Piping modifications and additions for interconnect at the Smithfield M&R Station	95.7	11.6 miles southeast	Construction during 2018	Present
AP-2	Piedmont Facility Modifications	Piedmont Natural Gas	Cumberland, VA	Piping modifications and additions for interconnect at the Fayetteville M&R Station	143.8	11.0 miles southeast	Construction during 2018	Present

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-2	Piedmont Pipeline	Piedmont Natural Gas	Robeson County, NC	26 miles of 20-inch natural gas pipeline	186.0	0.0 mile	Construction during 2018	Present
AP-2	Piedmont Aboveground Facilities	Piedmont Natural Gas	Robeson County, NC	Piping modifications and additions for the interconnect at the Pembroke M&R Station	186.0	0.0 mile	Construction during 2018	Present
<b>Gas Replacement/Maintenance Projects</b>								
AP-1	H-20295 Pipeline Replacement	Dominion Energy	Doddrige County, WV	Pipeline Replacement	0.0	9.9 miles northwest	Construction complete 2018	Past
AP-1	REPL-BLACKLICK RD-M2330-P400260338	Dominion Energy	Doddridge County, WV	Pipe replacement	0.0	6.5 miles northwest	Construction complete 2018	Past
AP-1	Fink AW-727	Dominion Energy	Lewis County, WV	Top joint change out	2.1	1.4 miles northeast	Construction complete 2018	Past
AP-1	BW-7894	Dominion Energy	Lewis County, WV	Access Road Improvement	4.4	1.6 miles south	Construction complete 2018	Past
AP-1	TL-324 Dripline Pothole	Dominion Energy	Lewis County, WV	Pothole Dig	6.6	0.3 mile south	Construction complete 2017	Past
AP-1	TL-360 Interconnect (Marts)	Dominion Energy	Lewis County, WV	Install a 30" x 24" tee on TL-360 (MAOP: 990 psig) for an interconnect with	7.2	0.0 mile	Tee installed in 2019, waiting on producer.	Past



**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-1	TJCO Kennedy BW-1554	Dominion Energy	Lewis County, WV	producer, Goff Connector, LLC Top joint change out	7.6	0.3 miles southwest	Construction complete 2018	Past
AP-1	TL-327 Tank	Dominion Energy	Lewis County, WV	Install new 30bbl tank	7.7	0.0 mile	Construction complete 2017	Past
AP-1	TL-332 Tank	Dominion Energy	Harrison County, WV	Install new 30bbl tank	7.7	1.8 miles northeast	Construction complete 2017	Past
AP-1	TL-324 Drip Replacement	Dominion Energy	Lewis County, WV	Drip	8.3	0.0 mile	Construction complete 2018	Past
AP-1	TL-324 Valve Replacement	Dominion Energy	Lewis County, WV	Valve replacement	8.3	0.0 mile	Construction complete 2017	Past
AP-1	H-19354 E valve replacement	Dominion Energy	Harrison County, WV	Replace valve	8.4	0.3 mile southwest	Construction complete 2017	Past
AP-1	H-63 Replacement	Dominion Energy	Harrison County, WV	Pipeline Replacement	8.4	0.8 mile north	Construction complete 2017	Past
AP-1	BW-2245 Pothole	Dominion Energy	Harrison County, WV	Pothole Dig	8.5	0.7 mile northeast	Construction complete 2017	Past
AP-1	14332 Slip	Dominion Energy	Harrison County, WV	Slip Remediation	8.5	1.2 miles northeast	Construction complete 2018	Past

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-1	TJCO Kennedy BW-2902	Dominion Energy	Harrison County, WV	TJCO	8.5	0.5 miles northeast	Construction complete 2018	Past
AP-1	BW1917 Tank Site	Dominion Energy	Harrison County, WV	Tank Installation	8.6	0.7 miles northeast	Construction complete 2018	Past
AP-1	H-19359 E valve replacement	Dominion Energy	Lewis County, WV	Replace valve	8.7	0.3 mile northeast	Construction complete 2017	Past
AP-1	BW-4573 Slip	Dominion Energy	Harrison County, WV	Slip repair	8.8	1.4 miles southwest	Construction complete 2019	Past
AP-1	TL-414 Pothole	Dominion Energy	Harrison County, WV	Pothole	8.9	1.3 miles west	Construction complete 2019	Past
AP-1	Lightburn Station Blowdown Header	Dominion Energy	Lewis County, WV	Putting in a blowdown header and silencers behind old pumphouse engines	9.1	0.3 mile west	Construction complete 2019	Past
AP-1	H-3461	Dominion Energy	Lewis Counties, WV	Pipeline Replacement	14.7	1.3 miles east	Construction complete 2018	Past
AP-1	H-3451 Pipeline Replacement	Dominion Energy	Lewis County, WV	Pipeline Replacement	16.9	1.5 miles west	Construction complete 2018	Past
AP-1	Well 4414	Dominion Energy	Lewis County, WV	Culvert Replacement	17.9	1.0 mile northeast	Construction complete 2018	Past

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-1	H-3481 Upgrade	Dominion Energy	Lewis County, WV	Pipeline Replacement	17.9	0.5 mile northeast	Construction complete 2017	Past
<b>Electrical Distribution and Transmission Projects</b>								
AP-2	PNG Weldon Facility	Duke Energy	Halifax County, NC	PNG Operations Center	11.8	1.8 miles northwest	Construction complete	Past
AP-2	Line 2056 Wood Pole Replacement NWPOLE2WIV17	Dominion Energy	Halifax and Edgecombe Counties, NC	Pole replacement	19.2	1.5 miles west	Currently under Construction	Present
AP-2	Nashville 115kV Substation	Duke Energy	Nash County, NC	Transmission Substation	48.2	0.8 mile west	Construction complete	Past
AP-2	Rocky Mount-Spring Hope SW 230kV T-line	Duke Energy	Nash County, NC	Transmission Line (230kV)	50.1	1.4 miles east	Construction complete	Past
AP-2	Black Creek-Wilson Line Switch	Duke Energy	Wilson County, NC	Install new line switch	62.0	14.2 miles southwest	Completed in 2017	Past
AP-2	Wilson-Zebulon 230kV T-line	Duke Energy	Nash County, NC	Transmission Line (230kV)	62.9	0.6 mile east	Construction complete	Past
AP-2	Dunn 230kV Substation	Duke Energy	Johnston County, NC	Transmission Substation	118.8	4.1 miles northwest	Construction complete	Past
AP-2	Dunn Metering Station	Duke Energy	Johnston County, NC	Metering station	118.6	3.8 miles northwest	Construction complete	Past
AP-2	Cumberland-Wake 500kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (500kV)	127.8	0.3 mile west	Construction complete	Past
AP-2	Goodwin 115kV Substation	Duke Energy	Cumberland County, NC	Transmission Substation	127.3	1.5 miles northwest	Construction complete	Past
AP-2	Erwin-Fayetteville 115kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (115kV)	127.5	1.6 miles northwest	Construction complete	Past

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-2	Cape Fear Ops Center	Duke Energy	Cumberland County, NC	T&D Operations Center	132.4	1.2 miles southeast	Construction complete	Past
AP-2	Fort Bragg Woodruff – Manchester	Duke Energy	Cumberland County, NC	Install reconductor line	135.5	12.8 miles west	Completed in 2017	Past
AP-2	Clinton-Vander-Aberdeen 115kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (115kV)	145.2	0.8 mile west	Construction complete	Past
AP-2	Cumberland-Richmond 500kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (230kV)	156.7	0.0 miles	Construction complete	Past
AP-2	Cumberland 500kV Substation/Microwave Tower	Duke Energy	Cumberland County, NC	Transmission Substation	155.7	0.0 miles	Construction complete	Past
AP-2	Cumberland-Whiteville 230kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (230kV)	155.8	0.9 mile southeast	Construction complete	Past
AP-2	Cumberland-Richmond 500kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (500kV)	159.2	0.0 mile	Construction complete	Past
AP-2	Weatherspoon Plant-Fayetteville 230kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (230kV)	161.2	1.4 miles south	Construction complete	Past
AP-2	Fayetteville-Dupont Tapline 115kV T-line	Duke Energy	Cumberland County, NC	Transmission Line (115kV)	162.2	1.6 miles south	Construction complete	Past
AP-2	Weatherspoon Plant – LOF 115 kV Structure Replace	Duke Energy	Robeson County, NC	Replace existing structures	173.1	10.7 miles south	Anticipated completion in 2017	Past

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-2	Weatherspoon-Raeford 230 kV Line Relocate	Duke Energy	Robeson County, NC	Line relocation	173.1	11.7 miles northwest	Anticipated completion in 2018	Past
AP-2	Weatherspoon Plant-Radford 230kV T-line	Duke Energy	Robeson County, NC	Transmission Line (230kV)	175.6	1.9 miles southeast	Construction complete	Past
AP-2	PNG Pembroke Compressor Station	Duke Energy	Robeson County, NC	Compressor Station	186.1	0.0 mile	Construction complete	Past
AP-3	Route 58 Municipal Relocation Phase 2 WR7497753	Dominion Energy	City of Suffolk, VA	Overhead Electric Distribution	53.4	2.6 miles southeast	Construction anticipated to start December 2020	Present
AP-3	High Rise Bridge near Libertyville and Military Hwy WR10072549	Dominion Energy	City of Chesapeake, VA	Underground Electric Distribution	78.2	0.8 mile north	Construction complete 2019	Past
AP-3	Dozier to Thompson's Corner 992634	Dominion Energy	City of Chesapeake, VA	Transmission line rebuild	82.6	1.8 miles south	Construction planned	RFFA
<b>Solar Projects</b>								
AP-2	Pecan Solar	Dominion Energy	Northampton County, NC	75 Megawatt Groundmount Solar Facility	2.1	1.6 miles east	Operation (Final Stabilization Underway - Construction Permits Open)	Present
AP-2	Chestnut Solar	Dominion Energy	Halifax County, NC	75 Megawatt Groundmount Solar Facility	3.7	3.7 miles east	Operation (Final Stabilization Underway -	Present

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-3	Southampton	Dominion Energy	Southampton County, VA	100 Megawatt Groundmount Solar Facility	20.1	1.0 mile southeast	Construction Permits Open) Construction complete	Past
AP-3	Myrtle	Dominion Energy	City of Suffolk, VA	15 Megawatt Groundmount Solar Facility	59.5	0.8 miles west	Currently under Construction	Present
<b>Residential, Commercial, Industrial, and Municipal Developments</b>								
AP-2	Cross Creek Development	CARJR Limited Partnership / WJH LLC Wade Jurney Homes, Inc.	Nash County	Residential development	52.0	0.2 mile southeast	Under development	Present
<b>Road Work and Transportation Projects</b>								
AP-1	Broad Road Slide Repair	WVDOT	Doddridge County, WV	Road slide repair (possible retaining wall construction)	0.0	18.0 miles northwest	Construction from June 2020 to September 2020	Past
AP-1	Miletus Road Slide Repair	WVDOT	Doddridge County, WV	Road slide repair (possible retaining wall construction)	0.0	4.9 miles north	Construction from June 2020 to October 2020	Past
AP-1	Hideaway Road Phase 2 Slide Repair	WVDOT	Harrison County, WV	Road slide repair (possible retaining wall construction)	8.8	6.7 miles northeast	Construction from July 2020 to	Past

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-1	Route 703 (Hewitt Road) Bridge Replacement	VDOT	Augusta County, VA	New bridge that will meet the minimum requirements using AASHTO Very-Low-Volume guidelines	141.0	12.3 miles southeast	November 2020 Construction anticipated to start Spring 2021	Present
AP-1	Route 250 (Churchville Avenue) Bell Creek Bridge Replacement	VDOT	Augusta County, VA	Replace the bridge on Route 250 over Bell Creek in Augusta County	146.8	11.7 miles southeast	Construction from 2020 to Summer 2021	Present
AP-1	Route 606 (Raphine Road) at I-81 Exit 205 Improvements	VDOT	Rockbridge County, VA	Improvements to reduce existing traffic congestion and increase safety at the interchange of Route 606 (Raphine Road) and Interstate 81 at Exit 205	188.3	13.3 miles west	Construction anticipated to start Late 2021	RFFA
AP-1	W James Anderson Hwy (Route 60) and S James River (Route 56)	VDOT	Buckingham County, VA	Construct of left and right turn lanes onto Route 56. Depending on length of taper, Route 742 may need to be rebuilt	229.1	1.7 miles northeast	Construction from November 2020 to December 2021	Present

**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-1	Route 15 and Route 636 Intersection Improvement at Sheppards Corner	VDOT	Buckingham County, VA	Construct left and right turn lanes onto Route 636 to the west and construct a right turn off Route 15 onto 636 to the east	242.8	1.7 miles southwest	Construction from 2020 to Late 2021	Present
AP-1	Route 189 South Quay Bridge Replacement	VDOT	Hampton Roads metropolitan area, VA	Replacement bridge	41.0	0.3 miles south	Construction during 2020	Past
AP-2	Road Widening Projects in Nashville and Rocky Mount	NCDOT	Nash County, NC	Widening of Eastern Avenue, North Old Carriage Road and Sunset Avenue between Nashville and Rocky Mount	50.4	0.0 mile	Construction from October 2020 to 2023	Present
AP-2	I-95 Widening	NCDOT	Cumberland and Harnett Counties, NC	Widening of about 25 miles of I-95 to eight lanes between U.S. 301 (Exit 56) in Cumberland County and I 40 (Exit 81)	137.4	1.0 mile west	Construction from 2020 to 2024	Present
AP-3	Route 58/Holland Road Improvements	VDOT	Suffolk County, VA	Widening two-lane road to five lanes, with bike lanes	62.2	5.0 miles southwest	Anticipated in Summer 2021	RFFA



**Table I-1  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Atlantic Coast Pipeline Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
AP-3	I-64 High Rise Bridge Waterproof and Repair Deck	VDOT	Chesapeake County, VA	Bridge repair and deck replacement	62.5	16.3 miles southeast	Completed in 2018	Past
AP-3	I-64 High Rise Bridge	VDOT	City of Chesapeake, VA	New bridge construction and expanded capacity along approximately 9 miles of I-64 from I-264 Interchange to Route 168 Interchange	79.5	0.0 mile	Construction from Summer 2018 to July 2021	Present
AP-3	Hampton Roads Crossing Study	VDOT, Federal Highway Administration	Norfolk City County, VA	Develop alternatives to improve road accessibility	80.0	10 miles north	Construction began in 2005; Some areas still currently under construction	Present

<b>Miscellaneous Projects</b>								
AP-1	Acquisition of Site for Development of a Replacement Underground Safety Research Program Facility in Mace, West Virginia	Centers for Disease Control and Prevention, U.S. General Services Administration	Pocahontas County, WV	New underground facility for full scale mine experiments	75.0	5.0 miles east	Construction during 2018	Past
AP-1	GWNF Revised Forest Plan	USDA	George Washington National Forest	GWNF forest plan amendment for land and resource management	131.3 - 146.8	0.0 mile	In effect. Implemented in 1900; Revised in 2014	Present
<sup>a/</sup> Past, Present, or Reasonably Foreseeable Future Action (RFFA) classification is based on the project's construction schedule in relation to Atlantic's currently proposed schedules.								

**Table I-2  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Supply Header Project Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
<b>FERC-Jurisdictional Projects</b>								
TL-635	ACP Restoration Project	Atlantic	WV, VA, and NC	Construction of the ACP Project	0.0	0.0 mile	Construction activities initiated 2018; Project cancelled 2020; Restoration activities ongoing	Present
<b>Nonjurisdictional Natural Gas Projects</b>								
None								
<b>Gas Replacement/Maintenance Projects</b>								
TL-635	Fink AW-727	Dominion Energy	Lewis County, WV	Top joint change out	0.0	2.8 miles south	Construction complete 2018	Past
TL-635	BW-7894	Dominion Energy	Lewis County, WV	Access Road Improvement	0.0	3.8 miles southeast	Construction complete 2018	Past
TL-635	TJCO Kennedy BW-1554	Dominion Energy	Lewis County, WV	Top joint change out	0.0	4.8 miles southeast	Construction complete 2018	Past

**Table I-2  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Supply Header Project Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
TL-635	TL-324 Dripline Pothole	Dominion Energy	Lewis County, WV	Pothole Dig	0.0	5.1 miles southeast	Construction complete 2017	Past
TL-635	TL-360 Interconnect (Marts)	Dominion Energy	Lewis County, WV	Install a 30" x 24" tee on TL-360 for an interconnect Goff Connector, LLC	0.0	5.3 miles southeast	Tee installed in 2019, waiting on producer.	Present
TL-635	TL-332 Tank	Dominion Energy	Harrison County, WV	Install new 30bbl tank	0.0	5.6 miles southeast	Construction complete 2017	Past
TL-635	TL-327 Tank	Dominion Energy	Lewis County, WV	Install new 30bbl tank	0.0	5.8 miles southeast	Construction complete 2017	Past
TL-635	H-63 Replacement	Dominion Energy	Harrison County, WV	Pipeline Replacement	0.0	5.9 miles southeast	Construction complete 2017	Past
TL-635	TJCO Kennedy BW-2902	Dominion Energy	Harrison County, WV	TJCO	0.0	6.0 miles southeast	Construction complete 2018	Past
TL-635	BW1917 Tank Site	Dominion Energy	Harrison County, WV	Tank Installation	0.0	6.2 miles southeast	Construction complete 2018	Past
TL-635	TL-324 Drip Replacement	Dominion Energy	Lewis County, WV	Drip	0.0	6.2 miles southeast	Construction complete 2018	Past

**Table I-2  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Supply Header Project Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
TL-635	H-19354 Evalve replacement	Dominion Energy	Harrison County, WV	Replace valve	0.0	6.3 miles southeast	Construction complete 2017	Past
TL-635	TL-324 Valve Replacement	Dominion Energy	Lewis County, WV	Valve replacement	0.0	6.3 miles southeast	Construction complete 2017	Past
TL-635	H-19359 Evalve replacement	Dominion Energy	Lewis County, WV	Replace valve	0.0	6.5 miles southeast	Construction complete 2017	Past
TL-635	BW-2245 Pothole	Dominion Energy	Harrison County, WV	Pothole Dig	0.0	6.5 miles southeast	Construction complete 2017	Past
TL-635	14332 Slip	Dominion Energy	Harrison County, WV	Slip Remediation	0.0	6.7 miles southeast	Construction complete 2018	Past
TL-635	BW-4573 Slip	Dominion Energy	Harrison County, WV	Slip repair	0.0	7.1 miles southeast	Construction complete 2019	Past
TL-635	Lightburn Station Blowdown Header	Dominion Energy	Lewis County, WV	Putting in blowdown header and silencers behind old pumphouse engines	0.0	7.1 miles southeast	Construction complete 2019	Past
TL-635	TL-414 Pothole	Dominion Energy	Harrison County, WV	Pothole	0.0	7.9 miles southeast	Construction complete 2019	Past

**Table I-2  
Past, Present, and Reasonably Foreseeable Future Actions within the Geographic Scope of Influence  
for the Supply Header Project Restoration Project**

<b>Project/Facility</b>	<b>Project Name</b>	<b>Proponent</b>	<b>Common Counties/Cities</b>	<b>Description</b>	<b>Nearest Approx. Milepost or Facility</b>	<b>Approx. Distance and Direction from Project</b>	<b>Status</b>	<b>Past, Present, or RFFA <sup>a/</sup></b>
TL-635	H-3451 Pipeline Replacement	Dominion Energy	Lewis County, WV	Pipeline Replacement	0.0	11.7 miles southeast	Construction complete 2018	Past
TL-635	H-3461	Dominion Energy	Lewis County, WV	Pipeline Replacement	0.0	12.2 miles southeast	Construction complete 2018	Past
TL-635	Well 4414	Dominion Energy	Lewis County, WV	Culvert Replacement	0.0	13.6 miles southeast	Construction complete 2018	Past
TL-635	H-3481 Upgrade	Dominion Energy	Lewis County, WV	Pipeline Replacement	0.0	14.1 miles southeast	Construction complete 2017	Past
TL-635	REPL-BLACKCLICK RD-M2330-P400260338	Dominion Energy	Doddrige County, WV	Pipe replacement	6.2	2.5 miles west	Construction complete 2018	Past
TL-635	H-20295 Pipeline Replacement	Dominion Energy	Doddrige County, WV	Pipeline Replacement	11.2	4.3 mile west	Construction complete 2018	Past
<b>Commercial, Industrial, and Municipal Developments</b>								
Mockingbird Hill Compressor Station	Pine Grove Sewage Collector Project	Town of Pine Grove	Wetzel County, WV	Improvements to the Town of Pine Grove sewage collection system	Mockingbird Hill Compressor Station	1.2 miles north-northwest	Construction schedule unknown	RFFA

<b>Greenfield Projects</b>								
TL-635	Water Line	Doddridge County Public Service District	Harrison and Doddridge Counties, WV	Water lines from Harrison to Doddridge Counties.	11.3	0.0 mile	Planned	RFFA
Mockingbird Hill Compressor Station	Mockingbird Water Line	Dominion Energy	Wetzel County, WV	New Waterline	Mockingbird Hill Compressor Station	0.4 mile southwest	Construction complete 2018	Past
<b>Road Work and Transportation Projects</b>								
JB Tonkin Compressor Station	SR 30—A35 Paving	PennDOT	Allegheny County, PA	Mill and overlay pavement project with some drainage upgrades and guiderail replacement	JB Tonkin Compressor Station	11.1 miles southwest	Construction anticipated to start Summer 2020	Present
JB Tonkin Compressor Station	Route 30 Bridge Preservation over Route 2037	PennDOT	North Versailles Township, Allegheny County, PA	Preservation work on the Route 30 bridges over East Pittsburgh-McKeesport Boulevard (Route 2037).	JB Tonkin Compressor Station	8.0 miles southwest	Construction during March – December 2020	Past
JB Tonkin Compressor Station	US 22 Concrete Repair	PennDOT	Westmoreland County, PA	Repairs to the concrete on US 22 in various municipalities throughout the county.	JB Tonkin Compressor Station	2.9 miles south	Construction anticipated to start August 2021	RFFA

JB Tonkin Compressor Station	PA 366 Over Br Poke Run - DFB	PennDOT	Westmoreland County, PA	Rehabilitation of structure carrying PA 366 (Greensburg Road) over a branch of Poke Run.	JB Tonkin Compressor Station	2.3 miles northeast	Construction anticipated to start June 2022	RFFA
JB Tonkin Compressor Station	PA 366 Over Br Pucketa Creek - DFB	PennDOT	Westmoreland County, PA	Rehabilitation on structure carrying PA 366 (Greensburg Road) over Branch of Pucketa Creek.	JB Tonkin Compressor Station	1.3 miles north	Construction anticipated to start June 2021	RFFA
JB Tonkin Compressor Station	SR 4041 Over Haymakers Run	PennDOT	Westmoreland County, PA	Improvements to the structure carrying SR 4041 (School Road) over Haymakers Run.	JB Tonkin Compressor Station	3.0 miles southwest	Construction anticipated to start September 2022	RFFA
TL-635	Hideaway Road Phase 2 Slide Repair	WVDOT	Harrison County, WV	Road slide repair (possible retaining wall construction).	0.0	10.0 miles east	Construction from July 2020 to November 2020	Past
TL-635	Miletus Road Slide Repair	WVDOT	Doddridge County, WV	Road slide repair (possible retaining wall construction).	5.6	0.0 mile	Construction from June 2020 to October 2020	Past
TL-635	Broad Road Slide Repair	WVDOT	Doddridge County, WV	Road slide repair (possible retaining wall construction).	20.8	1.0 mile west	Construction from June 2020 to September 2020	Past

<sup>a/</sup> Past, Present, or Reasonably Foreseeable Future Action (RFFA) classification is based on the project's construction schedule in relation to EGTS's currently proposed schedules.



## **APPENDIX J**

## REFERENCES

- Atlantic Coast Pipeline, LLC (Atlantic), 2019. *2019 Summary Report of Habitat Assessments and Surveys for Rusty Patched Bumble Bee (Bombus affinis)*. Prepared by Environmental Solutions & Innovations, Inc. on behalf of Environmental Resources Management (ERM) for Atlantic Coast Pipeline, LLC. ERM, Minneapolis, MN.
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- Roley, Sarah, and Jennifer Tank, 2016. *Pore Water Physicochemical Constraints on the Endangered Clubshell Mussel, Pleurobema clava*. Canadian Journal of Fisheries and Aquatic Sciences 73. no. 12. DOI: 10.1139/cjfas-2015-0442.
- U.S. Census Bureau, 2021. Glossary. Webpage Last Revised: October 8, 2021. Accessible at: <https://www.census.gov/programs-surveys/geography/about/glossary.html>. Accessed November 2021.
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- \_\_\_ No date(b). Table ID: B17021 Poverty Status in the Past 12 Months by Household Type by Age of Householder, 2019 ACS 5-Year Estimates.
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- U.S. Environmental Protection Agency (EPA), 2016. Federal Interagency Working Group on Environmental Justice and NEPA Committee. *Promising Practices for EJ Methodologies in NEPA Reviews*. Report of the Federal Interagency Working Group on Environmental Justice & NEPA Committee. Accessed online at: [https://www.epa.gov/sites/production/files/2016-08/documents/nepa\\_promising\\_practices\\_document\\_2016.pdf](https://www.epa.gov/sites/production/files/2016-08/documents/nepa_promising_practices_document_2016.pdf). Accessed October 2021.

U.S. Fish and Wildlife Service (FWS), 2016. *Programmatic Biological Opinion on Final 4(d) Rule for the Northern Long-Eared Bat and Activities Excepted from Take Prohibitions*. U.S. Fish and Wildlife Service Regions 2, 3, 4, 5, and 6. Accessible at: <https://www.fws.gov/midwest/endangered/mammals/nleb/pdf/BOnlebFinal4d.pdf>. Accessed February 2021.

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## **APPENDIX K**

### **LIST OF PREPARERS**

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M.A., Anthropology, 1986, University of Pennsylvania

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M.S., Urban & Regional Planning, 1980, University of Wisconsin-Madison

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M.A., Environmental Resource Policy, 2012, George Washington University

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Graduate Studies, Hydrogeology and Geochemistry, 1985–1988, Oklahoma State University

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## **U.S. Department of Agriculture — Forest Service**

**Rust, Stephani – NEPA Planner**

## **U.S. Department of Interior Fish and Wildlife Service**

**Staff from the Pennsylvania Field Office, West Virginia Field Office, Virginia Field Office, and North Carolina Field Office**

## **APPENDIX L**

COMMENTS ON THE DRAFT SUPPLEMENTAL EIS AND RESPONSES

## Comments on the Draft Supplemental EIS<sup>1</sup> and Responses

### INTRODUCTION

Twenty-four parties submitted a total of 25 timely correspondences in response to the draft supplemental EIS (sEIS). This appendix presents our responses to relevant comments provided on the draft sEIS. Correspondences are classified as follows:

- FA: Federal agencies and elected officials
- SA: State/Commonwealth agencies and elected officials
- NGO: Non-governmental Organizations
- IND: Individuals
- APL: Applicant

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<sup>1</sup> Appendices/attachments/exhibits to comment letters were considered and addressed as appropriate in the final sEIS; however, copies of some of these documents were not included in this summary of comments due to file sizes. Comment letter appendices/attachments/exhibits may be viewed using the Commission's eLibrary system.

## INDEX OF COMMENTS RECEIVED

### Document ID No.    Commentor (FERC eLibrary Accession No.)

#### FEDERAL AGENCIES

FA01                    U.S. Environmental Protection Agency - Region III (20210913-5210)

#### STATE AGENCIES

SA01                    Virginia Department of Environmental Quality (20210908-5082)  
SA02                    North Carolina Department of Natural and Cultural Resource - Renee  
Gledhill-Earley (20210928-5151)

#### NON-GOVERNMENTAL ORGANIZATIONS

NGO01                    Teamsters National Pipeline Labor Management Cooperation Trust –  
Richard Stern (20210809-0013)  
NGO02                    Friends of Nelson (20210913-5032)  
NGO03                    Clean Water for North Carolina, Concerned Citizens of Northampton  
County, River Guardian Foundation, 350 Triangle, Chatham Research  
Group, Women’s International League for Peace and Freedom – Triangle  
Branch, and Blue Ridge Environmental Defense League (20210913-5062)  
NGO04                    Southern Environmental Law Center (20210913-5153)  
NGO05                    West Virginia Rivers Coalition (20210913-5209)  
NGO06                    Niskanen Center and Affected Landowners - Lora Baum, Victor Baum,  
Demian Jackson, Bridget K. Hamre, Louis Ravina, Yvette Ravina,  
Carolyn Fischer, Melissa Barr, William Barr, Wisteria Johnson, Dawn  
Averitt, Richard Averitt III, McLaurin Company, Inc., Donovan  
McLaurin, Darlene Spears, Hershel Spears, Horizons Village Property  
Owners Association, Inc., and Friends of Nelson (20210913-5226)  
NGO07                    Wintergreen Property Owners Association, Friends of Wintergreen, and  
Fairway Woods Homeowners Association (20210913-5227)

#### INDIVIDUALS

IND01                    Robert L. Zimmerman (20210802-5004)  
IND02                    Neal W. Rohr (20210802-5086)  
IND03                    Travis Hoffman (20210804-5007)  
IND04                    Francine J. Stephenson (20210810-0008)  
IND05                    George M. Fuller, Jr. (20210812-5139)  
IND06                    Zane M. Garrison (20210901-0010)  
IND07                    Tom Endrusick (20210907-5000 and 20210907-5001; same  
correspondence filed separately)  
IND08                    George M Fuller Jr. (20210907-5077)  
IND09                    John M. Leyzorek (20210910-5138)  
IND10                    Lib Hutchby (20210910-5177)



IND11	Lauren Randall (20210913-5093)
IND12	Adam Travis (20210913-5103)
IND13	William F. Limpert (2020913-5138)
IND14	Thelma Garbutt (20210913-5200)
IND15	R A Perry (20210914-0006)

**APPLICANTS**

APL01	Eastern Gas Transmission and Storage, Inc. (20210913-5148)
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## FEDERAL AGENCY COMMENTS

### FA01 – U.S. Environmental Protection Agency – Region III



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION III  
1650 Arch Street  
Philadelphia, Pennsylvania 19103-2029

September 13, 2021

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First St., N.E., Room 1A  
Washington, D.C. 20426

Re: Atlantic Coast Pipeline Restoration Project, Atlantic Coast Pipeline, LLC, FERC Project No. CP15-554-009, and Supply Header Restoration Project, Eastern Gas Transmission and Storage, Inc., FERC Project No. CP15-555-007, Draft Supplemental Environmental Impact Statement, Pennsylvania, West Virginia, Virginia, and North Carolina. CEQ# 20210102

Dear Ms. Bose:

The U.S. Environmental Protection Agency (EPA) has reviewed the above-referenced document pursuant to the National Environmental Policy Act, Council on Environmental Quality regulations (40 CFR Parts 1500-1508), and Section 309 of the Clean Air Act.

The Draft Supplemental Environmental Impact Statement (DSEIS) analyzes the potential environmental impacts associated with the implementation of the Restoration Projects in order to stabilize lands affected by previous construction efforts for the Atlantic Coast Pipeline Project and Supply Header Project and to facilitate cessation of all project-related activities. The DSEIS responds to comments received in response to FERC's March 2, 2021 Notice of Amendment of Certificates and Opening of Scoping Period (NOA) for the Restoration Projects. Atlantic Coast Pipeline, LLC (Atlantic) proposes to leave all installed pipeline in place (approximately 31.4 miles of the pipeline right-of-way), restore lands that were cleared and graded (approximately 82.7 miles of the pipeline right-of-way), and leave felled trees in place in areas where trees have not yet been cleared (approximately 25.2 miles of the pipeline right-of-way). Aboveground facilities sites will be restored, and the deposition of the materials and land will be managed through an investment recovery process. These activities will occur in West Virginia, Virginia, and North Carolina. Eastern Gas Transmission and Storage, Inc (EGTS) proposes to leave all installed pipeline in place (approximately 11.7 miles), leave approximately 0.13 mile of felled trees in place, and complete final restoration of approximately 9 miles of the pipeline right-of-way that EGTS previously cleared and/or graded. EGTS proposes to stabilize all aboveground facility sites and prepare assets for long term preservation. These activities would occur in Pennsylvania and West Virginia.

The DSEIS analyzed the following alternatives. For the Atlantic Alternatives, FERC considered the following: The No-Action Alternative, the Pipe Removal Alternative, the Felled Trees Alternative, the Remove All Felled Trees Alternative, the Leave All Trees in Place Alternative, the Proposed Action. For the EGTS Alternatives, FERC considered the following: The No-Action Alternative, the Pipe Removal Alternative, the Remove Felled Trees Alternative, and the Proposed Alternative.

## FEDERAL AGENCY COMMENTS

### FA01 – U.S. Environmental Protection Agency – Region III (cont.)

The DSEIS indicates that there would be no operational or downstream GHG emissions associated with the Restoration Projects. It also concludes that the Commission is unable to determine significance with regards to climate change impacts. For your consideration, EPA is providing climate change and mitigation opportunities for the restoration, where applicable. In addition, we are providing recommendations regarding wetlands and surface water resources, and environmental justice.

Thank you for the opportunity to review this project and for consideration of our recommendations, enclosed. We would welcome the opportunity to discuss any of our comments further. Please feel free to contact me at 215-814-3402 or [Nevshehirlian.stepan@epa.gov](mailto:Nevshehirlian.stepan@epa.gov). The Region 3 staff contact for this project is Joy Gillespie; she can be reached at (215) 814-2793.

Sincerely,

**STEPAN  
NEVSHEHIRLIAN**

Digitally signed by  
STEPAN NEVSHEHIRLIAN  
Date: 2021.09.13  
15:27:41 -04'00'

Stepan Nevshehirlian  
Environmental Assessment Branch Chief  
Office of Communities, Tribes and  
Environmental Assessment

Enclosure

## FEDERAL AGENCY COMMENTS

### FA01 – U.S. Environmental Protection Agency – Region III (cont.)

Enclosure

Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project  
Draft Supplemental Environmental Impact Statement

EPA has the following recommendations for consideration in development of the Final SEIS:

**Wetlands and Surface Water Resources**

EPA recognizes that a substantial number of temporary fills are associated with this project. Specifically, 422 unique wetlands spanning over 173.7 acres and 35 unique streams and rivers are proposed to be temporarily impacted by the Atlantic Coast Pipeline restoration project alone. Moreover, the Supply Header Restoration will temporarily impact another 7 wetlands and an additional 35 streams and rivers. However, the information provided for review does not describe how long the proposed temporary fills will be in place, nor how they will be removed, and aquatic resources restored. Without this information, it is difficult to ascertain if the temporary fill will or will not have lasting impacts on the aquatic resources or result in secondary effects to downstream resources. EPA recommends a restoration plan for temporary fills, including post-construction monitoring and adaptive management, be included in the Final SEIS. At a minimum, to ensure that temporary stream and wetland impacts have no significant adverse impacts to aquatic resources, EPA recommends the restoration plan include the following items:

- Document baseline conditions, including elevations through georeferenced photographs and surveys.
- Explain how all temporary fills and structures will be removed and the area restored to pre-project conditions.
- Submission of post-construction georeferenced photographs and surveys to demonstrate that the impacts are in fact temporary and successfully restored.
  - In addition, upon final stream bed restoration, the stream must have similar physical characteristics to include substrate, pattern, profile, dimension, and embeddedness of the original stream channel.
  - In addition, upon final wetland restoration, a delineation will be conducted to ensure hydrology, hydric soils, and hydric vegetation communities are similar to the original wetland.
- Provide a map of monitoring locations and a table illustrating this information.
- Post construction monitoring for a period of three years, unless established success criteria are not met at the end of three years and continued monitoring is appropriate.

If the recommendations above are considered in one of the plans listed under section 1.5 *Applicable Plans* (page 1-7), please provide a brief description of the activities to be undertaken and cite the specific plan in the Final SEIS for reference.

Additionally, EPA notes the DSEIS highlighted several issues that may result from project activities including modified hydrology, compaction, and sedimentation. EPA recommends each of these stressors be addressed in the restoration plan. Specifically, EPA suggests the following:

- For stream hydrology, monitoring of streamflow should be conducted to document that the stream maintains its preconstruction flow status. Wetland hydrology should be monitored to ensure that the overall seasonal hydroperiod (depth, degree, duration, and periodicity) is similar to that of the pre-construction wetland and the site is inundated or the water table is less than or equal to 12 inches below the soil surface for 14 or less consecutive days during the growing season.

FA01-1

FA01-2

FA01-1: As described in section 4.0 of the 2017 FEIS, which was incorporated by reference in the supplemental Environmental Impact Statement (sEIS), temporary impacts generally occur during construction, with the resource returning to preconstruction condition almost immediately afterward. Furthermore, as described in section 4.4 of the sEIS, the project would only require travel through wetlands as well as the installation and removal of wetland mats, which are being used to reduce impacts on wetlands.

To reduce impacts on wetlands, Atlantic would implement measures described in our *Wetland and Waterbody Construction and Mitigation Procedures (Procedures)*, which requires monitoring of affected wetlands and surface waterbodies, and addressing restoration issues for a minimum of three years or until appropriately restored. Based on the scope of the work, we have determined that these measures are sufficient, and we are not recommending the implementation of additional plans or measures.

FA01-2: See response to comment FA01-1.

## FEDERAL AGENCY COMMENTS

### FA01 – U.S. Environmental Protection Agency – Region III (cont.)

FA01-3

- To ensure wetland soils are not compacted, EPA recommends monitoring to ensure that the subsoil shall have a bulk density of less than 90lbs/ cubic foot for clay textures, grading less than 112 lbs/ cubic foot for sands (prior to adding organic matter or topsoil to the site). Replaced topsoil layers should also be remediated to a similar bulk density range.
- To address potential sedimentation concerns, in-stream monitoring of turbidity and sedimentation should be conducted to identify any changes in sediment load. Criteria should be protective of aquatic species and water quality standards.

As previously indicated, if the recommendations above are considered in one of the plans listed under section 1.5 *Applicable Plans* (page 1-7), please provide a brief description of the activities to be undertaken and cite the specific plan in the Final SEIS for reference.

FA01-4

EPA also recommends analyzing the potential for effects to downstream reaches, such as, but not limited to, changes to the hydrogeomorphology and impacts of sedimentation and compaction from construction activities in waters, to better determine if secondary impacts will occur. Secondary effects to these downstream resources should be avoided and minimized to the maximum extent practicable.

FA01-5

Further, EPA recommends a conclusive evaluation of cumulative effects at a watershed scale (i.e., HUC 12) be provided to ensure that measures are undertaken to avoid and minimize the potential of cumulative impacts.

FA01-6

**Climate Change and Mitigation Opportunities**

The DSEIS mentions that one of the methods considered to processes felled trees and woody debris is to burn the material. As a measure to curb climate impacts from the proposed action, EPA recommends limiting, to the maximum extent possible, the use of burning to process woody debris in the project areas.

FA01-7

To address the temporary increases of pollutant emissions from the use of diesel- and gas-fueled equipment during restoration activities, EPA recommends implementing idling best management practices (BMPs) to limit truck and equipment idling on site, including strict enforcement of idling limits. Curbing idling can help reduce combustion-related emission, including greenhouse gases, and at the same time, the practice will result in fuel savings. EPA also suggests including auxiliary power units and the use of electric equipment when possible.

FA01-8

Additionally, EPA recommends that new equipment utilize contract specifications requiring advanced pollution controls and clean fuels, and for older equipment to be retrofitted. Implementation of diesel controls, cleaner fuel, and cleaner construction practices for on-road and off-road equipment used for transportation, soil movement, or other construction activities, include the use of clean diesel through add-on control technologies like diesel particulate filters and diesel oxidation catalysts, repowers, or newer, cleaner equipment. We offer the following links for more detailed information:

- <https://northeastdiesel.org/construction.html#ReducingDieselEmissionsFromConstruction>
- <https://www.epa.gov/verified-diesel-tech/clean-diesel-technology>

FA01-9

**Environmental Justice**

As stated on page 4-69, “[The Project’s] impacts were not specific to environmental justice communities but would have been experienced along the entire pipeline route, which encompasses a variety of socioeconomic backgrounds. The 2017 FEIS concluded that the Construction Projects would not result in a disproportionately high or adverse impact on environmental justice populations.” EPA notes that disadvantaged populations (for example, low-income populations) may face elevated susceptibility to impacts that may affect other populations less severely. Therefore, EPA encourages FERC to address the

FA01-3: Impacts on wetlands are addressed in section 4.4, surface waterbodies in section 4.3.2, and aquatic resources in section 4.5 of the sEIS. As described in these sections, the project would only require travel through surface waterbodies and wetlands as well as the installation and removal of bridges and culverts, which are being used to reduce impacts on waterbodies and wetlands. See also response to comment FA01-1.

FA01-4: Comment noted. Given the limited scope of the work for restoration, we have determined that downstream reaches would not be affected.

FA01-5: Cumulative impacts are addressed in section 4.15 of the sEIS.

FA01-6: Atlantic’s response filed on October 8, 2021, adopts of some of the EPA’s recommendations. Text in section 4.12 of the sEIS has been updated.

FA01-7: See response to comment FA01-6.

FA01-8: See response to comment FA01-6.

FA01-9: The 2017 FEIS evaluated the impact on environmental justice populations from the construction, restoration, and operation of the Atlantic Coast Pipeline (ACP) and Supply Header Project (SHP) systems. The 2017 FEIS concluded that neither the ACP nor the SHP would result in a disproportionately high or adverse impact to environmental justice populations in the Project

## FEDERAL AGENCY COMMENTS

areas. The Proposed Action being evaluated in this sEIS for the ACP Restoration Project is the completion of right-of-way restoration on previously disturbed areas where no aboveground facilities were constructed, and less land area was disturbed during construction than as originally proposed. The ACP Restoration Project activities would be carried out by small crews of temporary workers over the entire pipeline route for a short period of time. We updated the environmental justice analyses in section 4.10.2 with the most current available data and identified opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations. We conclude that impacts on environmental justice communities would be disproportionately high and adverse, as impacts in the Restoration Project area would be predominantly borne by environmental justice communities. However, impacts on environmental justice communities would be less than significant and temporary.

## FEDERAL AGENCY COMMENTS

### FA01 – U.S. Environmental Protection Agency – Region III (cont.)

FA01-9  
(cont.)

potential for adverse impacts in areas of potential environmental justice concern, even if other less vulnerable areas may face similar environmental conditions. EPA recommends FERC conduct environmental justice analyses with the most current available data; perform comprehensive community outreach; and identify opportunities for impact avoidance, minimization, and/or mitigation as needed to limit adverse environmental impacts among local populations.

Additional Considerations

FA01-10

- To provide a better understanding of the potential scale of the impacted due to the proposed Atlantic Coast Pipeline action, EPA recommends providing the width of the right-of-way in the description of the proposed action. EPA notes right-of-way width measurements were given for the Supply Header Restoration under the same section.

FA01-11

- EPA recommends providing more detail on what “long-term preservation of assets” means and or entails, including information regarding the future use of the assets and how the assets may fit in to the network. If there are plans to use these assets in the relatively near future, an impact analysis evaluating the use of the assets would be appropriate in the Final SEIS.

FA01-12

- EPA notes that on page 2-7, under section 2.1.2.5 *Smithfield Meter & Regulating Station* it mentions Atlantic’s investment recovery program (see section 1.7.1). EPA was unable to locate this section in the DSEIS. As appropriate, please consider including this information or revise the citation given.

FA01-13

- EPA appreciates the proponent’s examination of different alternate ways to access the proponent’s work areas instead of the proposal to remove an additional 63 acres of forest. We support the proponent’s efforts to avoid the removal of more trees as this adds to the loss of carbon sinks and augments cumulative impacts.

FA01-10: Description of the ACP Restoration Project right-of-way widths have been added to section 2.1 of the sEIS.

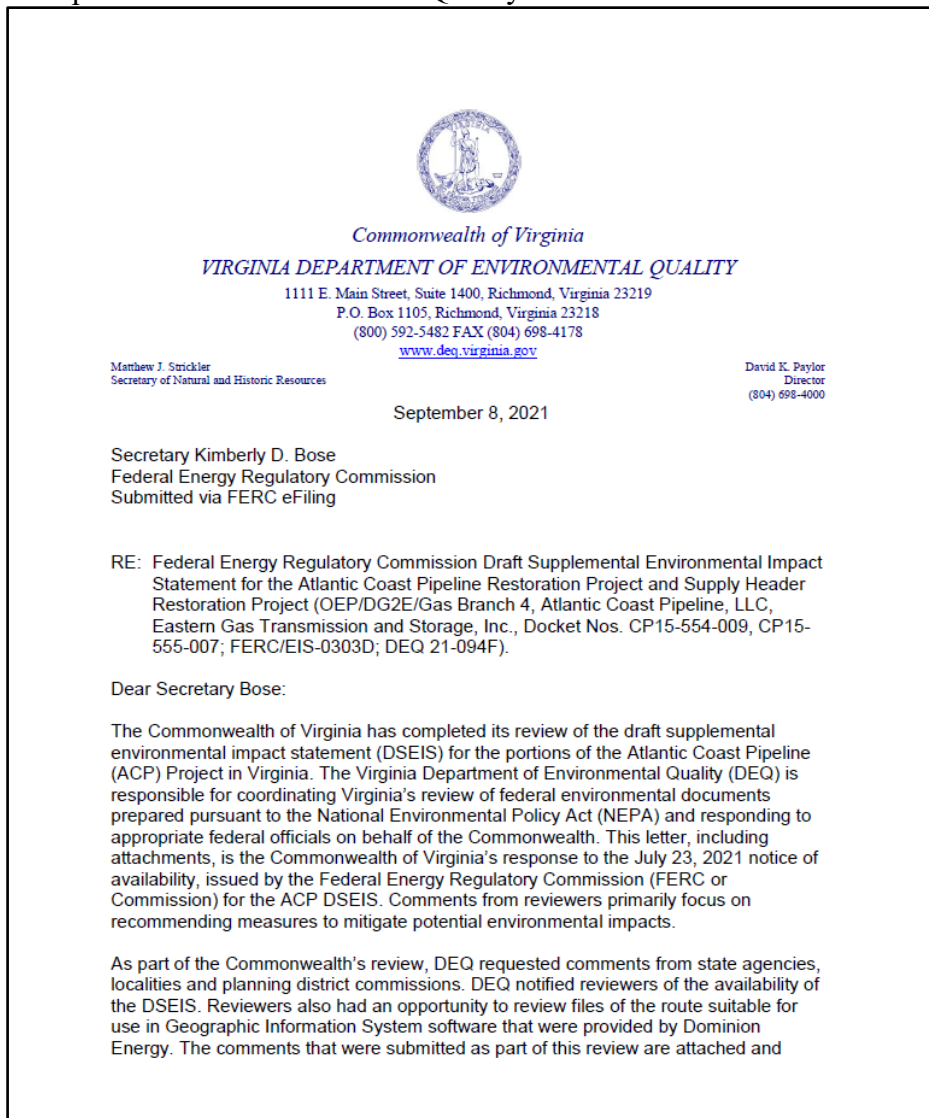
FA01-11: The future use of any facilities constructed, or other assets deemed as part of the SHP, will need to be specified by the applicant in a separate application to be submitted to the Commission for review and approval.

FA01-12: The section in the draft sEIS discussing Atlantic’s investment recovery program was incorrectly cited, and section 2.1.2.5 has been updated with the correct citation (to section 2.7.1) in the sEIS.

FA01-13: Comment noted.

## STATE AGENCY COMMENTS

### SA01 – Virginia Department of Environmental Quality



**Note to reader:** this filing includes an appendix B that contains the detailed emails and correspondences between the state agency reviewers and the VADEQ, the agency responsible for coordinating Virginia’s review of federal environmental documents. The correspondence and all attachments can be viewed at FERC’s eLibrary link, search by “Accession” and entering “20210908-5082” in the “Enter Accession Number” field.



## STATE AGENCY COMMENTS

### SA01 – Virginia Department of Environmental Quality (cont.)

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organized as follows:

- Attachment A: Comments and Recommendations
- Attachment B: Detailed comments from reviewers

Thank you for the opportunity to comment. If you have questions, please do not hesitate to contact me at [bettina.rayfield@deq.virginia.gov](mailto:bettina.rayfield@deq.virginia.gov) or (804) 698-4204.

Sincerely,



Bettina Rayfield, Manager  
Environmental Impact Review and Long Range  
Priorities Program

Enclosures

ec: Amy Martin, DWR  
Keith Tignor, VDACS  
Robbie Rhur, DCR  
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Roger Kirchen, DHR  
Sarah Parmelee, DOF  
Tiffany Birge, VMRC  
Heather Williams, VDOT  
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W. Kevin Massengill, Dinwiddie County  
Leslie R. Weddington, Brunswick County  
Gary Cifers, Greensville County  
Michael W. Johnson, Southampton County  
Albert S. Moor II, City of Suffolk  
Christopher M. Price, City of Chesapeake

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### SA01 – Virginia Department of Environmental Quality (cont.)

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Bonnie Riedesel, Central Shenandoah PDC  
Christine Jacobs, Thomas Jefferson PDC  
Melody Foster, Commonwealth Regional Council  
Alec Brebner, Crater Planning District Commission  
Deborah Gosney, Southside PDC  
Robert A. Crum, Jr., Hampton Roads PDC

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)



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**ATTACHMENT A: COMMENTS AND RECOMMENDATIONS**

The Commonwealth of Virginia encourages the Federal Energy Regulatory Commission (FERC) to incorporate the following comments, recommendations and requirements into appropriate sections of the final supplemental environmental impact statement.

**1) Natural Heritage Resources**

**a) Comments**

- i) **Trees Cut and to be Cleared:** According to the information in the Department of Conservation and Recreation (DCR) Division of Natural Heritage (DNH) files, Deerfield Valley and Back Draft at Rt. 641 Conservation Sites are documented within the access road areas. Deerfield Valley and Back Draft at Rt. 641 Conservation Sites have been given a biodiversity significance ranking of B3, which represents a site of high biodiversity significance. The natural heritage resource of concern at these sites is the rusty patched bumble bee (*Bombus affinis*, G1/S1/LE/NL). The rusty patched bumble bee is listed as endangered under the Endangered Species Act by U.S. Fish and Wildlife Service (USFWS) effective March 21, 2017. Since the late 1990s, the rusty patched bumble bee has declined throughout its historical range including Virginia and is anticipated to be extinct in all ecoregions by 2030. Threats to the rusty patched bumble bee include disease, pesticides, climate change, habitat loss and small population dynamics.
- ii) **Karst:** This project has intersected the DCR predictive suitable habitat model identifying potential habitat for the Madison cave isopod (*Antrolana lira*, G2G4/S2/LT/LT).

SA01-1

SA01-2

SA01-3

SA01-1: A model developed by the U.S. Fish and Wildlife Service (FWS) indicates the High Potential Zone (HPZ) for rusty-patched bumblebee is within Deerfield Valley; text in section 4.8.1 of the sEIS has been updated with this information. Section 4.8.1.6 of the sEIS discusses Back Draft at Route 641. Consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species.

SA01-2: Rusty patched bumble bee is addressed in section 4.8.1.6 of the sEIS.

SA01-3: The Madison cave isopod is addressed in section 4.7.1.13 of the 2017 FEIS, which was incorporated by reference into the sEIS.

STATE AGENCY COMMENTS

SA01 – Virginia Department of Environmental Quality (cont.)

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iii) **Trees to be Felled:** According to the information in DCR DNH's files, the Matthew Creek Stream Conservation Unit (SCU) is within the tree felling area and has a biodiversity ranking of B4, which represents a site of moderate significance. The natural heritage resource associated with this site is the SP-Middle James-Buffalo Third Order Stream (Aquatic Natural Community, G3/S3/NL/NL).

The documented Aquatic Natural Community is based on Virginia Commonwealth University's INSTAR (Interactive Stream Assessment Resource) database, which includes over 2,000 aquatic (stream and river) collections statewide for fish and macroinvertebrate. These data represent fish and macroinvertebrate assemblages, instream habitat, and stream health assessments. The associated Aquatic Natural Community is significant on multiple levels. First, this stream is a grade A, per the Virginia Commonwealth University (VCU) -Center for Environmental Sciences (CES), indicating its relative regional significance, considering its aquatic community composition and the present-day conditions of other streams in the region. This stream reach also holds a "Healthy" stream designation per the INSTAR Virtual Stream Assessment (VSS) score. This score assesses the similarity of this stream to ideal stream conditions of biology and habitat for this region. Lastly, this stream contributes to high Biological Integrity at the watershed level (6th order) based on number of native/non-native, pollution-tolerant/intolerant and rare, threatened or endangered fish and macroinvertebrate species present. Threats to the significant Aquatic Natural Community and the surrounding watershed include water quality degradation related to point and non-point pollution, water withdrawal and introduction of non-native species.

iv) **Cut Trees to Remain on the Ground:** According to the information in DCR DNH's files, Peak Run Forest trail-Jackson River Pastures, Shady Lane Forest and Rt. 640 Mill Creek conservation sites are documented within the areas of cut trees to remain on the ground and have a biodiversity significance ranking of B3, which represents a site of high biodiversity significance. The natural heritage resource of concern at these sites is rusty patched bumble bee (*Bombus affinis*, G1/S1/LE/NL).

v) **Access Roads:** According to the information in DCR DNH's files, Back Draft at Rt. 641 and Port Lock Run conservation sites are documented within the access road areas and have a biodiversity significance ranking of B3, which represents a site of high biodiversity significance. The natural heritage resource of concern at these sites is rusty patched bumble bee (*Bombus affinis*, G1/S1/LE/NL).

SA01-4

SA01-5

SA01-4: The Matthews Creek Stream Conservation Unit is addressed in section 4.5.1.3 of the sEIS.

SA01-5: These conservation sites and the rusty patched bumble bee are addressed in section 4.8.1.6 of the sEIS.

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

	<p>FERC ACP DSEIS DEQ 21-094F Attachment A Page 3</p>
SA01-6	<p>vi) <b>Ecological Cores.</b> Ecological Cores are areas of unfragmented natural cover with at least 100 acres of interior that provide habitat for a wide range of species, from interior-dependent forest species to habitat generalists, as well as species that utilize marsh, dune, and beach habitats. Cores also provide benefits in terms of open space, recreation, water quality (including drinking water protection and erosion prevention), and air quality (including carbon sequestration and oxygen production), along with the many associated economic benefits of these functions. The cores are ranked from C1 to C5 (C5 being the least ecologically relevant) using many prioritization criteria, such as the proportions of sensitive habitats of natural heritage resources they contain. Fragmentation occurs when a large, contiguous block of natural cover is dissected by development, and other forms of permanent conversion, into one or more smaller patches. Habitat fragmentation results in biogeographic changes that disrupt species interactions and ecosystem processes, reducing biodiversity and habitat quality due to limited recolonization, increased predation and egg parasitism, and increased invasion by weedy species.</p>
	<p>b) <b>Recommendations.</b></p>
SA01-7	<p>i) <b>Trees Cut and to be Cleared:</b> The construction of additional roads, clearing of vegetation and timber, and related activities would likely result in more resource impacts, than if cut timber were allowed to decompose in place in areas that have not already been subject to ground disturbing activities. If the respective landowners are agreeable to this option, DCR recommends this course of action to minimize impacts to natural heritage resources, consistent with the no tree removal action that will occur on the U.S. Forest Service (USFS) lands and allowing native forest to regenerate.</p>
SA01-8	<p>DCR recommends that at sites that were previously not forested, and where the ground layer has been severely altered, the following reseeded measure, as identified in the proposed Atlantic Coast Pipeline (ACP) Restoration Plan, is necessary to restore habitat for pollinators including the rusty patched bumble bee: Re-seed all construction right-of-way areas (temporary and permanent) within the HPZ (Habitat Protection Zone) and the dispersal zone with pollinator friendly native seed mixes consistent with recommendations for plant restoration by George Washington and Jefferson National Forests. Include species preferred by rusty patched bumble bee.</p>
SA01-9	<p>DCR recommends the minimization of pre-construction clearing, grading and vegetation removal within the rusty patched bumble bee high potential zone. Due to the legal status of the rusty patched bumble bee, DCR recommends</p>

SA01-6: Ecological cores are addressed in section 4.5.6.2 of the 2017 FEIS, which was incorporated by reference into the sEIS.

SA01-7: Section 3.1.3.2 of the sEIS details FERC staff’s recommended alternative to leave all felled trees in place unless property owners express their desire for felled trees to be removed on their property.

SA01-8: As described in section 4.7.1 of the sEIS, Atlantic would use pollinator species for reseeded and restoration on a tract-specific basis.

SA01-9: Consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species.

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

	<p>FERC ACP DSEIS DEQ 21-094F Attachment A Page 4</p>
	<p>coordination with USFWS to ensure compliance with protected species legislation.</p>
SA01-10	<p>ii) <b>Karst:</b> DCR recommends coordination with the USFWS for the management and protection of the Madison cave isopod.</p>
SA01-11	<p>In zones where trees are already cut and need to be cleared, DCR recommends that any additional cutting be limited to the absolute amount minimum necessary to allow access for the proposed restoration activities and all efforts be made to limit ground disturbance. In particular, DCR recommends protection of areas where sensitive resources such as wetlands were previously buffered, not allowing timber removal. Ideally, existing rootstock and understory vegetation would be left in place to facilitate faster natural regeneration of vegetation that will in turn help stabilize the soil and reduce impacts. DCR recommends exceptions only occur in situations where landowners have agreed to other terms or courses of action and these actions are consistent with valid active permits. DCR recommends that erosion and sediment control (ESC) devices that meet or exceed the applicable permit requirements be in place before the commencement of these activities. Maintenance and inspection, cleaning and or replacement of these ESC devices is critical to their proper performance. DCR recommends the ESC devices remain in place during the duration of the project in operational condition.</p>
SA01-12	<p>iii) <b>Trees to be Felled:</b> To minimize adverse impacts to the aquatic ecosystem as a result of the proposed activities, DCR recommends the implementation of and strict adherence to applicable state and local erosion and sediment control/storm water management laws and regulations, establishment/enhancement of riparian buffers with native plant species and maintaining natural stream flow.</p>
SA01-13	<p>iv) <b>Cut Trees to Remain on the Ground:</b> In areas where trees have been felled by hand with no ground disturbing activities to date, leaving these trees in place will likely result in the least impact to the soil and erosion reduction. In sensitive and vulnerable areas, the reduction in erosion and sediment transport is particularly important. The construction of additional roads, clearing of vegetation and timber, and related activities would likely result in additional natural heritage resource impacts than if the cut timber were allowed to decompose in place, in areas that have not already been subject to ground disturbing activities. If the respective landowners are agreeable to this option, DCR supports this course of action to minimize impacts to natural heritage resources including karst resources, consistent with the no tree</p>

SA01-10: Consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species, including the Madison cave isopod.

SA01-11: Restoration activities are addressed in section 2.0 of the sEIS.

SA01-12: Applicable state permits have been identified in table 1.6-1 of the sEIS.

SA01-13: See response to comment SA01-7. Also, as noted previously, consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species.

STATE AGENCY COMMENTS

SA01 – Virginia Department of Environmental Quality (cont.)

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SA01-13  
 (cont.)

removal action that will occur on the USFS lands and allowing the forest to regenerate naturally. Due to the legal status of the rusty patched bumble bee, DCR recommends coordination with USFWS to ensure compliance with protected species legislation.

SA01-14

v) **Access Roads:** Due to the legal status of the rusty patched bumble bee, DCR recommends coordination with USFWS to ensure compliance with protected species legislation. DCR recommends the use of existing access roads for restoration activities where possible. If access roads need to be upgraded, DCR recommends that this be done in the most environmentally sound way possible to limit unnecessary soil disturbance and impacts to karst resources. DCR recommends appropriate ESC devices that meet or exceed the applicable permit requirements be in place before the commencement of these activities. Throughout the duration of the project, maintenance and inspection, cleaning and/or replacement of these ESC devices is critical to their proper performance.

SA01-15

DCR also recommends that the three greenfield access roads be restored to original habitat following the restoration activities. DCR recommends that previously unforested areas of the rusty patched bumble bee High Potential and Dispersal Zone be reseeded with native pollinator habitat as part of the conservation measures in threatened and endangered species conservation measures.

SA01-16

DCR supports adherence to the following time-of-year restrictions as proposed by regulatory agencies protective of natural heritage resources: all tree felling time-of-year restrictions for all bat species, *Bombus affinis* (Rusty Patched Bumble Bee), and migratory bird species should be strictly adhered to.

SA01-17

vi) **Overall Karst Recommendations.** ACP or its member entities Dominion, Atlantic Coast Pipeline, LLC, Duke Energy ACP, LLC and Piedmont ACP Company, LLC or any other entity that these become or are held by must comply with the terms of all state and federal permits existing/reissued and/or modified that apply to activities performed on this project and to the obligations that they have with landowners both private and public. DCR recommends ACP comply with the maintenance provisions and timelines in the Upland Erosion Control, Revegetation and Maintenance Plan and Wetland and Waterbody Construction and Mitigation Procedures Plans and Procedures that require monitoring and maintenance following construction activities (any action requiring soil disturbance) as they currently exist or if they are amended to reduce impacts. DCR also supports ACP compliance

SA01-14: See response to comment SA01-2 regarding rusty patched bumblebee. Access roads are addressed in section 2.1.4.7 of the sEIS. Erosion and sediment control (ESC) devices would be installed and maintained consistent with Atlantic’s *Erosion and Sediment Control Plan*.

SA01-15: As stated in section 4.8.1.6 of the sEIS, Atlantic would comply with the recommendation to restore greenfield access roads. Also, see response to comment SA01-8.

SA01-16: Comment noted.

SA01-17: Karst is addressed in sections 4.1.2 and 4.1.3 of the sEIS.



**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

	<p>FERC ACP DSEIS DEQ 21-094F Attachment A Page 6</p>
SA01-18	<p>with all existing procedures that are designed to protect cave and karst resources.</p> <p>If any cave or karst related issues or concerns arise from the restoration projects, it is strongly recommended that the DCR DNH Karst Protection Coordinator, Wil Omdorff (540-230-5960, <a href="mailto:Wil.Omdorff@dcr.virginia.gov">Wil.Omdorff@dcr.virginia.gov</a>), be contacted to seek professional guidance on how to proceed. DCR recommends if any incident occurs that could impact cave and karst resources, the DCR Karst Program be contacted as soon as possible to help reduce potential impacts.</p>
SA01-19	<p>DCR strongly suggests that the flagging of karst features in the field not be considered completed for the project but rather as on-going project task. While the signs and flagging may have been initially installed identifying karst features, it is equally as important to maintain this signage, refresh flagging and replace signs in areas that may have been destroyed by construction activities, damaged by weather or simply obscured by vegetation growth. DCR recommends this be a task throughout the entire duration of the project near karst features and that this flagging only be removed or considered finished after the completion of any work in project restoration zones that may impact karst features.</p>
SA01-20	<p>During every phase of the project, DCR recommends the prioritization of soil stabilization around the work zones in areas with cave and karst resources. Minimizing surface disturbance, strict use of erosion and sediment control devices appropriate for the location, as well as maintenance and upkeep of these devices and adherence to best management practices appropriate for karst will help to reduce impacts to the karst, groundwater and surface water resources as well as any associated fauna and flora.</p>
SA01-21	<p>Sinkholes are present in and around sections of the project. Typically, additional, smaller unmapped sinkholes can also be present in the vicinity. Sinkholes are areas where surface material has collapsed into the subsurface and into underground watercourses. Sinkhole areas are places where surface water directly affects groundwater quality and flow. What goes into sinkholes comes out in wells and springs, and can degrade drinking water, springs and spring-fed surface waters, and the habitat of subterranean creatures. Discharge of untreated stormwater runoff to sinkholes is discouraged, and sinkholes to which stormwater is diverted or which have been modified to accept stormwater are required by law to be registered as Class 5 Injection Wells with the U.S. Environmental Protection Agency (EPA). Filling or alteration of natural (pre-existing) sinkholes is discouraged, and</p>

SA01-18: Comment noted.

SA01-19: As described in section 4.1.2.3 of the 2017 FEIS (which is incorporated by reference in the sEIS) karst point features, as well as a 300-foot buffer around each, would be clearly marked in the field with signs and/or highly visible flagging in all work areas (within and off the right-of-way, including discharge areas) until construction related ground disturbing activities are completed.

SA01-20: As described in section 4.1.2 of the sEIS, stabilization and restoration work would be conducted in accordance with Atlantic’s *Karst Terrain Assessment Construction, Monitoring and Mitigation Plan*.

SA01-21: Comment noted.



STATE AGENCY COMMENTS

SA01 – Virginia Department of Environmental Quality (cont.)

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designation of natural buffers and the protection of these buffers around sinkholes is recommended.

SA01-22

If karst features such as additional undocumented sinkholes, caves, disappearing streams, and large springs are encountered during the project, coordinate with Wil Orndorff (540-230-5960, [Wil.Orndorff@dcr.virginia.gov](mailto:Wil.Orndorff@dcr.virginia.gov)), the Virginia DCR DNH Karst Protection Coordinator, to document and minimize adverse impacts. Activities such as discharge of runoff to sinkholes or sinking streams, filling of sinkholes, and alteration of cave entrances can lead to environmental impacts including surface collapse, flooding, erosion and sedimentation, contamination of groundwater and springs, and degradation of subterranean habitat for natural heritage resources (e.g. cave adapted invertebrates, bats). These potential impacts are not necessarily limited to the immediate project area, as karst systems can transport water and associated contaminants rapidly over relatively long distances, depending on the nature of the local karst system. If the project involves filling or "improvement" of sinkholes or cave openings, DCR requests detailed location information and copies of the design specifications. In cases where sinkhole improvement is for storm water discharge, copies of VDOT Form EQ-120 will suffice.

SA01-23

**vii) Ecological Cores.** To minimize further impact to ecological cores as identified in the Virginia Natural Landscape Assessment (<https://www.dcr.virginia.gov/natural-heritage/vaconvisvnl>), DCR recommends allowing natural revegetation of impacted forested areas in the restoration areas. Based on landowner consent, DCR also supports the planting of native tree species to increase forest cover in previously non-forested areas to provide benefits to adjacent ecological cores.

SA01-24

**viii) Invasive Species.** DCR recommends the development and implementation of an invasive species plan to be included as part of the ACP Restoration Plan as referenced on page 8 in (Appendix H) Threatened and Endangered Conservation Measures. The invasive species plan should include an invasive species inventory for the project area based on the current DCR Invasive Species List (<http://www.dcr.virginia.gov/natural-heritage/document/nh-invasive-plant-list-2014.pdf>) and methods for treating the invasive species. DCR also recommends the restoration and maintenance practices planned include appropriate revegetation using native species in a mix of grasses and forbs for soil stabilization, robust monitoring and an adaptive management plan to provide guidance if initial revegetation efforts are unsuccessful or if invasive species introductions occur. Guidance on native plant species can be found here: <https://www.dcr.virginia.gov/natural->

SA01-22: Comment noted.

SA01-23: As described in section 2.1.4.5 of the sEIS, revegetation measures would be implemented in accordance with the *Restoration and Rehabilitation Plan* and FERC’s *Upland Erosion Control, Revegetation, and Maintenance Plan (Plan)* and *Wetland & Waterbody Construction & Mitigation Procedures (Procedures)* or as directed by the appropriate land managing agency.

SA01-24: As described in section 2.1.4.5 of the sEIS, invasive species would be managed in accordance with the *ACP Non-Native Invasive Plant Species Management Plan*.

STATE AGENCY COMMENTS

SA01 – Virginia Department of Environmental Quality (cont.)

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[heritage/native-plants-finder.](#)

**2) Floodplain Management**

**a) Comments.** According to the DCR Division of Dam Safety and Floodplain Management, the National Flood Insurance Program (NFIP) is administered by the Federal Emergency Management Agency (FEMA), and communities who elect to participate in this voluntary program manage and enforce the program on the local level through that community's local floodplain ordinance. Each local floodplain ordinance must comply with the minimum standards of the NFIP, outlined in 44 CFR 60.3; however, local communities may adopt more restrictive requirements in their local floodplain ordinance, such as regulating the 0.2% annual chance flood zone (Shaded X Zone).

**b) Requirements.** All development within a Special Flood Hazard Area (SFHA), as shown on the locality's Flood Insurance Rate Map (FIRM), must be permitted and comply with the requirements of the local floodplain ordinance. Projects conducted by federal agencies within the SFHA must comply with federal Executive Order 11988: Floodplain Management.

**3) Wildlife Resources**

**a) Comments.** The Department of Wildlife Resources (DWR) states that in Virginia, the only on-the-ground activity related to the construction of ACP was the hand-felling of trees located within the pipeline corridor. Tree felling did not occur along the entire corridor as is documented by the lack of tree felling at James River Wildlife Management Area, but along a significant portion. DWR understands that FERC requires that downed trees be removed unless there is a specific reason they should not be removed.

From DWR's perspective, as the state wildlife agency, DWR sees no benefit to removing the downed trees and would in fact expect adverse impacts upon wildlife and their habitats to result from their removal. Not only will there likely be impacts associated with the development of new access roads and road improvement, but the physical removal of what is now wildlife habitat in the form of downed woody debris would be impactful to the suite of wildlife species now using that habitat for cover and food. Even in aquatic environments, leaving downed debris in place is not detrimental and actually may result in wildlife habitat improvement.

**b) Recommendations.** DWR supports the implementation of the Leave All Felled Trees in Place Alternative.

SA01-25

SA01-26

SA01-25: Comment noted. Floodplains are addressed in section 4.3.2 of the sEIS.

SA01-26: See response to comment SA01-7.

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

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SA01-27 { If there are segments along the pipeline where it is determined that trees must be removed, DWR recommends adherence to previous guidance it has provided regarding the protection of listed species and designated resources under its jurisdiction known from the ACP project area. This may include adherence to time-of-year restrictions for work in certain waters, performance of surveys prior to any impacts, etc. If new work/access areas are necessary to access sites where trees must be removed, DWR recommends coordination with the agency regarding those sites so that it may recommend ways to avoid wildlife and habitat impacts during development and use of those areas.

In general, DWR recommends that felled trees be left in place everywhere that they can, that any areas that have been cleared of vegetation be revegetated, and that soil and erosion controls be in place during any ground disturbances.

**4) Subaqueous Lands**

SA01-28 { **a) Comment.** The Virginia Marine Resources Commission (VMRC) finds that the proposed project is within its jurisdictional areas. However, provided no new encroachments are proposed in, on or under the VMRC jurisdictional streams and stream crossings previously permitted under VMRC Permit 2015-1353, no new permits will be required.

**b) Requirement.** Should any new encroachments be proposed, a new joint permit application should be submitted to VMRC for review.

**5) Open Space Easements**

SA01-29 { **a) Recommendations.** VOF supports the Restoration Project, as related to its interests, as proposed by Atlantic and as further conditioned by the following FERC Staff's Recommended Mitigation: Atlantic, shall not process/remove the 83.2 miles of felled trees along the ACP Construction Project as proposed, and it shall leave all previously felled trees in place. Where landowners prefer removal of felled trees that were not previously cleared from the ACP Construction Project, Atlantic shall remove the felled trees from the landowner tract, and Atlantic shall file documentation with the Secretary prior to restoration activities indicating the landowners' preference for the tree removal method, the specific landowner tract location along the ACP project by station number, and then implement the landowner preference at these locations. If Atlantic believes that there are safety, landowner, or environmental concerns that have yet to be identified that would preclude the tree removal on these tracts where the landowners prefer felled tree removal, Atlantic shall file supplemental information

SA01-27: Comment noted.

SA01-28: Comment noted.

SA01-29: See response to comment SA01-7.

SA01 – Virginia Department of Environmental Quality (cont.)

STATE AGENCY COMMENTS

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and justification with the Secretary, and request specific approval from the Director of OEP, or the Director's designee, to leave the felled trees in place between these specific station numbers.

VOF feels leaving previously felled trees in place on the ground on its open-space easements in Highland, Bath, and Augusta counties will limit further disturbance but recognizes and defers to the landowner's preference to have the felled trees cleared from their property by Atlantic.

6) Public Drinking Water Sources

- a) **Requirement.** Potential impacts to public water distribution systems or sanitary sewage collection systems must be verified by the local utility.
- b) **Recommendations.** Implement best management practices, including erosion and sedimentation controls and spill prevention controls and countermeasures, on the project site. Well(s) within a 1,000-foot radius from project site should be field marked and protected from accidental damage during construction. Materials should be managed while on site and during transport to prevent impacts to nearby surface water.
- c) **Comments.** The following public groundwater wells are located within a 1 mile radius of the project site (wells within a 1,000-foot radius are formatted in **bold**):

PWS ID Number	City/County	Waterworks Name	Facility Name
2015120	AUGUSTA	CHURCHVILLE - ACSA	WELL 1
2015120	AUGUSTA	CHURCHVILLE - ACSA	WELL 2
2015200	AUGUSTA	DEERFIELD - ACSA	DEERFIELD WELL
2015200	AUGUSTA	DEERFIELD - ACSA	DEERFIELD SPRING
2015821	AUGUSTA	WHITES WAYSIDE DINER	WELL
2125020	NELSON	WINTERGREEN GROCERS	WELL
2125026	<b>NELSON</b>	<b>BOLD ROCK CIDERY</b>	<b>DRILLED WELL</b>
2125056	NELSON	DEVILS BACKBONE BREWING COMPANY	WELL #2
2125056	NELSON	DEVILS BACKBONE BREWING COMPANY	WELL #1 (EMERGENCY ONLY)

SA01-30

SA01-30: Drinking water supplies were addressed in section 4.3 of the sEIS. Public drinking water sources were also addressed in section 4.3 of the 2017 FEIS. As described in the sEIS, Atlantic would implement numerous impact avoidance and minimization measures including measures addressing erosion control and spill prevention. Specifically, Atlantic would implement our *Plan and Procedures*, and its Spill Prevention, Control, and Countermeasures Plan. As described in section 4.3.1 of the sEIS, water supply wells within 150 feet of construction workspace would be tested. Personnel and equipment are not permitted outside workspace boundaries; therefore, we conclude the field marking of wells within a 1,000-foot radius is not necessary to prevent construction-related damage. Water wells near the Project and their locations relative to workspace were identified in table 4.3.1-1 of the 2017 FEIS.

**STATE AGENCY COMMENTS**

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PWS ID Number	City/County	Waterworks Name	Facility Name
2125350	NELSON	THE MONROE INSTITUTE	WELL
2125398	NELSON	WILD WOLF BREWING COMPANY	WELL 1
2125910	NELSON	NCSA - WINTERGREEN	WELL 12
2125910	NELSON	NCSA - WINTERGREEN	WELL 16
2125920	NELSON	WINTERGREEN - RECEPTION CENTER	DRILLED WELL
3081730	GREENSVILLE	ROLLING ACRES - FOX RUN	WELL 1
3175100	SOUTHAMPTON	BOYKINS_BRANCHVILLE SYSTEM	WELL NO. 4 (BRANCHVILLE)
3175100	SOUTHAMPTON	BOYKINS_BRANCHVILLE SYSTEM	WELL NO. 3 (BRANCHVILLE)
3175100	SOUTHAMPTON	BOYKINS_BRANCHVILLE SYSTEM	WELL NO. 2 (BOYKINS)
3175100	SOUTHAMPTON	BOYKINS_BRANCHVILLE SYSTEM	WELL NO. 1 (BOYKINS)
3175460	SOUTHAMPTON	KINGSDALE ARTIS	DRILLED WELL
3175461	SOUTHAMPTON	KINGSDALE MOSELEY	DRILLED WELL
3175500	SOUTHAMPTON	TOWN OF NEWSOMS	DRILLED WELL NO. 1
3175500	SOUTHAMPTON	TOWN OF NEWSOMS	DRILLED WELL NO. 2
3175720	SOUTHAMPTON	TURNER TRACT WATER SYSTEM	WELL #1
3175720	SOUTHAMPTON	TURNER TRACT WATER SYSTEM	WELL #2
3550051	CHESAPEAKE	CITY OF CHESAPEAKE - NORTHWEST RIVER SYS	WB #3
3550051	CHESAPEAKE	CITY OF CHESAPEAKE - NORTHWEST RIVER SYS	WESTERN BRANCH WELL NO.3
3550051	CHESAPEAKE	CITY OF CHESAPEAKE - NORTHWEST RIVER SYS	WESTERN BRANCH WELL NO. 1
3550705	CHESAPEAKE	PLANTATION MOBILE HOME PARK	WELL NO. 2
3550775	CHESAPEAKE	SUNRAY ARTESIAN WATER SUPPLY	DRILLED WELL
3550800	CHESAPEAKE	SUNRAY WATER CO.,	DRILLED WELL

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

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PWS ID Number	City/County	Waterworks Name	Facility Name
		INC.	#2
3710100	NORFOLK	NORFOLK, CITY OF	WELL NO. 1
3710100	NORFOLK	NORFOLK, CITY OF	WELL NO. 4
3710100	NORFOLK	NORFOLK, CITY OF	WELL NO. 2
3800080	SUFFOLK	BIRDSONG WATER COMPANY	DRILLED WELL NO. 2
3800629	SUFFOLK	FARMER FRANKS	DRILLED WELL
3800694	SUFFOLK	PRUDEN CENTER FOR INDUSTRY & TECHNOLOGY	WELL
3800800	SUFFOLK	SPSA REGIONAL LANDFILL-SUFFOLK	DRILLED WELL
3800830	SUFFOLK	TIDEWATER AGRI RESEARCH & EXT CTR	DRILLED WELL
5025550	BRUNSWICK	NOTTOWAY ACRES SUBDIVISION	WELL NO.3
5049819	CUMBERLAND	SOUTHSIDE ENTERPRISES	DRILLED WELL NO. 1

The following surface water intakes are located within a 5-mile radius of the project site:

PWS ID Number	Locality	Waterworks Name	Facility Name
2015575	AUGUSTA	SOUTH RIVER SANITARY DISTRICT	COLES RUN RESER
2125650	NELSON	NCSA - SCHUYLER	JOHNSONS BRANCH
2125910	NELSON	NCSA - WINTERGREEN	LAKE MONACAN (ALLEN CREEK) INTAKE
2125910	NELSON	NCSA - WINTERGREEN	VALLEY POND INTAKE
2125910	NELSON	NCSA - WINTERGREEN	STONEY CREEK (PEGGY'S PINCH) INTAKE
2790600	STAUNTON	STAUNTON, CITY OF	NORTH RIVER DAM

## STATE AGENCY COMMENTS

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PWS ID Number	Locality	Waterworks Name	Facility Name
2790600	STAUNTON	STAUNTON, CITY OF	MIDDLE RIVER
2790600	STAUNTON	STAUNTON, CITY OF	GARDNER SPRING
3595250	EMPORIA	EMPORIA, CITY OF	MEHERRIN RIVER
3710100	NORFOLK	NORFOLK, CITY OF	WESTERN BRANCH
3710100	NORFOLK	NORFOLK, CITY OF	LAKE PRINCE
3740600	PORTSMOUTH	PORTSMOUTH, CITY OF	LAKE KILBY
3740600	PORTSMOUTH	PORTSMOUTH, CITY OF	LAKE MEADE
3740600	PORTSMOUTH	PORTSMOUTH, CITY OF	PITCHKETTLE RAW WATER
3800805	SUFFOLK	SUFFOLK, CITY OF	LONE STAR LAKE
3800805	SUFFOLK	SUFFOLK, CITY OF	CRUMPS MILL POND
5029085	BUCKINGHAM	BUCKINGHAM CO WATER SYSTEM	TROUBLESOME CRK
5135160	NOTTOWAY	CREWE, TOWN OF	CRYSTAL LAKE
5147170	PRINCE EDWARD	FARMVILLE, TOWN OF	APPOMATTOX RIVER

The project is located within the watershed of the following public surface water sources (intakes where the project falls within 5 miles into their watershed are formatted in **bold**):

PWS ID Number	Waterworks Name	Facility Name
2043125	TOWN OF BERRYVILLE	SHENANDOAH RIVER
2043634	MOUNT WEATHER	SHENANDOAH RIVER
2163550	MAURY SERVICE AUTHORITY	MAURY RIVER
2187406	FRONT ROYAL, TOWN OF	SOUTH FORK SHENANDOAH RIVER
2580100	COVINGTON, CITY OF	JACKSON RIVER
2790600	<b>STAUNTON, CITY OF</b>	<b>MIDDLE RIVER</b>
3081550	GCWSA - JARRATT	NOTTOWAY RIVER INTAKE
3595250	<b>EMPORIA, CITY OF</b>	<b>MEHERRIN RIVER</b>

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

SA01-31: Comment noted.

FERC ACP DSEIS  
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PWS ID Number	Waterworks Name	Facility Name
3670800	VIRGINIA-AMERICAN WATER CO	APPOMATTOX RIVER
3710100	NORFOLK, CITY OF	NOTTOWAY RIVER
3710100	NORFOLK, CITY OF	WESTERN BRANCH
3710100	NORFOLK, CITY OF	LAKE PRINCE
3740600	PORTSMOUTH, CITY OF	LAKE KILBY
3740600	PORTSMOUTH, CITY OF	LAKE MEADE
3740600	PORTSMOUTH, CITY OF	PITCHKETTLE RAW WATER
4041035	APPOMATTOX RIVER WATER AUTHORITY	LAKE CHESDIN RAW WATER INTAKE
4075735	JAMES RIVER CORRECTIONAL CTR	JAMES RIVER INTAKE
4087125	HENRICO COUNTY WATER SYSTEM	HENRICO RAW WATER INTAKE
4760100	RICHMOND, CITY OF	RAW WATER INTAKE
5680200	LYNCHBURG, CITY OF	JAMES RIVER-COLLEGE HILL
5680200	LYNCHBURG, CITY OF	JAMES RIVER-ABERT
6059501	FAIRFAX COUNTY WATER AUTHORITY	INTAKE (POTOMAC RIVER)
6107300	LEESBURG, TOWN OF	POTOMAC INTAKE

**7) Transportation System**

a) **Requirements.** The Virginia Department of Transportation (VDOT) will conduct further reviews of the project as it relates to potential impacts on the transportation network when more detailed, site specific information is made available at future dates. Any work associated with the project that encroaches into right-of-way or easements of state maintained roadways or impacts vehicular traffic operations (e.g. – field or new entrances) will be required to comply with VDOT’s Land Use Permit Regulations (24 VAC 30-151). The VDOT Staunton District Land Use Engineers may be contacted for permit requests at:

**Augusta County**  
David Atwood, P.E.  
Area Land Use Engineer for Harrisonburg Residency  
(540) 434-2586  
david.atwood@vdot.virginia.gov

SA01-31



## STATE AGENCY COMMENTS

### SA01 – Virginia Department of Environmental Quality (cont.)

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#### **Bath and Highland Counties**

Alvin Trout, P.E.  
Area Land Use Engineer for Lexington Residency  
(540) 462-6989  
[alvin.trout@vdot.virginia.gov](mailto:alvin.trout@vdot.virginia.gov)

#### **8) Historic Resources**

SA01-32

- a) **Recommendation.** DHR requests that the FERC continue consultation with its office pursuant Section 106 of the National Historic Preservation Act which requires federal agencies to consider the impacts of their projects on historic properties.

#### **9) Solid and Hazardous Waste**

SA01-33

- a) **Comments.** The Department of Environmental Quality (DEQ) Division of Land Protection and Revitalization (DLPR) staff conducted a search (200-foot radius) of the project area of solid and hazardous waste databases (including petroleum releases) to identify waste sites in close proximity to the project area. DLPR identified one small quantity generator, two Virginia Remediation Program sites, and three petroleum release sites within the project area which might impact the project:

#### Hazardous Waste/RCRA Facilities

1. HandlerID: 110020682206, Vanwin Coatings of Virginia LLC, 2601A Trade Street, Chesapeake, Virginia 23323.

#### Virginia Remediation Program (VRP)

1. Site Number: VRP00278, GE Tidewater Service Center VRP00278, 2601 Trade Street, Chesapeake, Virginia 23323. Primary Status: Certificate Issued. Secondary Status: Refer to Certificate Status.
2. Site Number: VRP00386, Former Steuart Investment Company Site VRP00386, 1316 Smith Douglas Rd, Chesapeake, Virginia 23320-6332. Primary Status: Certificate Issued. Secondary Status: Refer to Certificate Status.

#### Petroleum Releases

SA01-32: Comment noted. FERC will ensure that its obligations under section 106 of the National Historic Preservation Act are fulfilled, as noted in section 4.11.7 of the sEIS.

SA01-33: Comment noted.

**STATE AGENCY COMMENTS**

SA01 – Virginia Department of Environmental Quality (cont.)

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SA01-33  
(cont.)

1. PC Number 20196030, Jackson Residence, 14872 Thomas Nelson Hwy, Lovington, Virginia, Release Date: 10/18/2018, Status: Open.
2. PC Number 19901588, Deep Creek Pharmacy, 622 N. George Washington Hwy, Chesapeake, Virginia, Release Date: 05/10/1990, Status: Closed.
3. PC Number 20045038, Quest Transport LLC, 4419 Bainbridge Blvd, Chesapeake, Virginia, 23320, Release Date: 09/09/2003, Status: Closed.

SA01-34

- b) **Recommendation.** Evaluate the identified waste sites to determine their potential impacts to the proposed project, if not already conducted.
  - c) **Requirements.** All construction and demolition waste, including any excess soil, must be characterized in accordance with the Virginia Hazardous Waste Management Regulations and disposed of at an appropriate facility as applicable.
- Installation and operation of any regulated petroleum storage tank(s) either aboveground storage tanks (AST) or underground storage tanks (UST) must also be conducted in accordance with the Virginia Regulations 9VAC25-91-10 *et seq.* and / or 9VAC25-580-10 *et seq.* For the DEQ Tidewater Regional Office (TRO) region, documentation or questions should be submitted to TRO Tanks at Tidewater Regional Office – 5636 Southern Blvd., Virginia Beach, VA 23462. [tro.tanks@deq.virginia.gov](mailto:tro.tanks@deq.virginia.gov).
- If evidence of a petroleum release is discovered during implementation of this project, it must be reported to DEQ (Melinda Woodruff at 757-518-2174), as authorized by the Code of Virginia 62.1-44.34.8 through 19 and 9VAC25-580-10 *et seq.*
- Petroleum-contaminated soils and ground water generated during implementation of this project must be properly characterized and disposed of properly.

**10) Water Quality Monitoring and Assessment**

SA01-35

- a) **Recommendations.** The DEQ Watersheds and Water Quality Monitoring and Assessment Programs requests that where ACP uses hydroseeding, avoid using tracker dyes, which are known to contain polychlorinated biphenyls (PCBs). If a dye must be used, DEQ requests that the pigment not contain any yellow pigment (e.g., no green or yellow pigments, but blue is acceptable). There are a

SA01-34: Waste sites are addressed in section 4.3.1.6 of the 2017 FEIS, which was incorporated by reference in the sEIS.

SA01-35: Comment noted.

## STATE AGENCY COMMENTS

### SA01 – Virginia Department of Environmental Quality (cont.)

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number of PCB impaired waterways in the drainage area of the restoration work, and the use of pigment with hydroseeding can add measurable amounts of PCBs to these already impacted waterways.

#### 11) Air Quality

SA01-36

a) **Requirements.** The DEQ Tidewater Regional Office (TRO) states that the following air regulations may be applicable: Virginia Administrative Code 9VAC5-50-60 *et seq.* which addresses the abatement of visible emissions and fugitive dust emissions, and Virginia Administrative Code 9VAC5-130-10 *et seq.* which addresses open burning.

#### 12) Wetlands and Water Quality

SA01-37

a) **Requirements.** Potential adverse impacts to water quality and wetlands resulting from surface runoff due to construction activities must be minimized. This can be achieved by using Best Management Practices (BMPs). Permanent or temporary impacts to surface waters and wetlands may require DEQ authorization under §401 of the Clean Water Act, Virginia Code §62.1-44.15:20, and Virginia Administrative Code 9VAC 5-210-10 *et seq.* Provided that any and all necessary permits are obtained and complied with, the project will be consistent with DEQ program requirements.

SA01-36: Air quality, dust emissions, and open burning are addressed in section 4.12 of the sEIS.

SA01-37: Applicable permits are identified in section 1.6 of the sEIS.

STATE AGENCY COMMENTS

SA02 – North Carolina Department of Natural and Cultural Resources - Renee Gledhill-Earley

SA02-1: Comments noted. Section 4.11 of the SEIS has been updated with this information.

Document Accession #: 20210928-5151      Filed Date: 09/28/2021

Renee Gledhill-Earley, Raleigh, NC.  
September 28, 2021

Kimberly D. Bose  
Secretary, Federal Energy Regulatory Commission  
888 First Street NE, Room 1A,  
Washington, DC 20426

Re: Dominion Transmission, Inc. Southeast Reliability Project, Atlantic Coast Pipeline, Multi County, ER 14-1475

Dear Ms. Bose:

Thank you for the letter forwarding copies of the Draft Supplemental Environmental Impact Statement (EIS) associated with the above-referenced project, which was received by our office on August 2, 2021. We have reviewed the submission and offer the following comments.

The draft supplemental EIS provides information on restoration activities associated with the cancellation of the Atlantic Coast Pipeline project. According to the document, Atlantic Coast Pipeline, LLC (Atlantic) has committed to document the current conditions and restore archaeological sites 31CD2100 and 31JT423 in North Carolina. Reports documenting the archaeological data recovery investigations at these two sites have been submitted to our office. The draft supplemental EIS also states that no additional areas of potential effect have been identified in North Carolina beyond those previously reviewed and approved for construction.

Based on this information, we concur with the conclusion of FERC staff that the proposed actions, with the additional mitigation measures recommended in the supplemental EIS, will avoid or reduce impacts to less than significant levels on cultural resources eligible for or listed in the National Register of Historic Places.

Thank you for your cooperation and consideration. If you have questions concerning the above comment, contact Renee Gledhill-Earley, environmental review coordinator, at 919-814-6579 or environmental.review@ncdcr.gov. In all future communication concerning this project, please cite the above referenced tracking number.

Sincerely,  
Renee Gledhill-Earley

SA02-1

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

**NGO01 – Teamsters National Pipeline Labor Management Cooperation Trust**

Document Accession #: 20210809-0013      Filed Date: 08/09/2021

**ORIGINAL**

July 26, 2021


Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
12225 Wilkins Avenue  
Rockville, Maryland 20852

Dear Secretary Bose:

Please find written comments submitted by the "Teamsters National Pipeline Labor Management Cooperation Trust" on the Notice of Availability of the Draft EIS for the proposed Atlantic Coast Pipeline and Supply Header Restoration Projects. **(Docket Nos. CP15-554-009 and CP15-555-007)**

If you have any questions I can be reached at (703) 508-8690.

Sincerely,



Richard Stern, Administrator  
Teamsters National Pipeline Labor  
Management Cooperation Trust

Enclosures

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SECRETARY OF THE  
COMMISSION  
2021 AUG -9 P 3:26  
FEDERAL ENERGY  
REGULATORY COMMISSION

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO01 – Teamsters National Pipeline Labor Management Cooperation Trust (cont.)

Document Accession #: 20210809-0013 Filed Date: 08/09/2021

This submission is for the “Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project” (Docket No. CP15-554-009 and CP15-555-007).

On behalf of the Teamsters National Pipeline Labor Management Cooperation Trust, representing the Teamsters Union with its 1.3 million members and the Pipeline Contractors Association we support the restoration of the Projects noted above.

We have contractors who specialize in pipeline restoration work that involve rivers, wetlands and waterways. Our trained Teamster workforce operates this specialized equipment in an environmentally friendly manner.

Our Teamster Pipeline members also fish and hunt in North Carolina, Pennsylvania, Virginia and West Virginia. Therefore, they value protecting the environment and restoring the land so they can continue to participate in these recreational activities, which will enhance their safety and environmental awareness during restoration.

Another part of the collective bargaining agreement is a formal “Drug and Alcohol” Policy. A drug and alcohol free work force is less likely to have accidents or damage the environment since they will not work under the influence of drugs or alcohol that can negatively impact the environment and quality of the restoration work.

According to our collective bargaining agreement our workers must be qualified. The contractors demand strict adherence to

NG01-1: Comments noted.

NGO01-1

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

**NGO01 – Teamsters National Pipeline Labor Management Cooperation Trust (cont.)**

Document Accession #: 20210809-0013 Filed Date: 08/09/2021

this language. This ensures a more skilled and trained workforce so it is less likely there will be any environmental issue.

We have certified Training Instructors and a training program specific to the pipeline construction industry and restoration work. By being specific to pipeline restoration work the training not only includes Defensive Driving techniques but formal classroom instruction.

Also, many of our Trainers have been cited by outside Safety Organizations for their expertise and training skills.

Many Teamster workers on these 2 Projects will be Veterans. Some coming out of Veteran Programs we participate in to recruit our former military men and women. These Teamster Veterans are disciplined and taught about being aware of their natural surroundings both while serving in the military and undergoing our training programs.

In closing, based upon the Teamsters Training specific to pipeline restoration work, the mandated safety and qualifications in the collective bargaining agreement promoting quality work the Teamsters National Pipeline Labor Management Cooperation supports the restoration of the Projects.

In addition, our training programs, veterans program, high wages and health insurance and pensions paid by our contractors enhance their ESG score.

NGO01-1  
(cont.)

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO02 – Friends of Nelson County



September 12, 2021

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

**Re: Comments on Draft Supplemental Environmental Impact Statement for Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project, Dockets CP15-554-009 & CP15-555-007**

Dear Secretary Bose:

In response to the Federal Energy Regulatory Commission's ("FERC's" or the "Commission's") July 23, 2021 notice,<sup>1</sup> Friends of Nelson hereby submits these comments on the draft supplemental environmental impact statement ("Draft SEIS") for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project.<sup>2</sup> Friends of Nelson is a non-profit citizens advocacy organization. Its mission is to protect property rights, property values, rural heritage and the environment for all the citizens of Nelson County, Virginia.<sup>3</sup>

These comments will focus solely on the thousands of temporary and permanent easements<sup>4</sup> that Atlantic Coast Pipeline, LLC (collectively with Eastern Gas

<sup>1</sup> Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project, Dkt. Nos. CP15-554-009 et al. (July 23, 2021) (eLibrary No. 20210723-3018).

<sup>2</sup> Draft Suppl. Emtl. Impact Statement for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project, Dkt. Nos. CP15-554-009 et al. (July 2021) (eLibrary No. 20210723-3006) ("Draft SEIS").

<sup>3</sup> PO Box 33, Nellysford, VA 22958, friendsofnelson@gmail.com.

<sup>4</sup> For purposes of these comments, the term "easements" shall include "rights-of-way."



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO02 – Friends of Nelson County (cont.)

Transmission and Storage, Inc., or EGTS, "Atlantic") obtained from private landowners on the proposed path of the now-abandoned Atlantic Coast Pipeline ("ACP" or the "Pipeline"). Specifically, we submit that the Commission's order resolving this Certificate amendment proceeding should require Atlantic to release both temporary and permanent easements upon request from private landowners or open-space easement holders. To the extent that access is essential for restoration work that Atlantic is performing on a specific property and subsequent monitoring of that work on that property, the Commission's order should limit the use of the temporary and permanent easements by Atlantic solely to completion of restoration work and subsequent monitoring.

These comments present the Commission with a clear choice – that is, the Commission may act "in the public interest" and "for the public convenience and necessity" and order Atlantic to immediately release all easements that it obtained for the now-abandoned ACP if requested by the landowner. In so doing, the Commission will end the serious burdens on private land that are imposed by these easements, easements that were obtained by Atlantic by legal force or coercion when the Commission issued the certificate of public necessity and convenience for the ACP (the "Certificate"). Or, the Commission may act "in the private interest" and "for the private convenience and necessity" of Atlantic and permit Atlantic to retain the temporary and permanent easements for many years to come and to extract further financial or other concessions from the affected property owners even though the sole reason for the easements to exist, and the sole "public interest" justification for the easements – the construction of the ACP – no longer exists. We submit that it is the Commission's responsibility to act solely "in the public interest" and "for the public convenience and necessity," and to reject Atlantic's attempts to retain the easements "in its private interest."

#### **I. Comments by FERC regarding Easement Issues**

As we have urged FERC in prior letters,<sup>5</sup> now that the ACP will not be built, the Commission should require Atlantic to give private landowners and open-space easement holders the opportunity to regain full ownership of their property through Atlantic's release of its temporary and permanent easements. In the draft Supplemental EIS, FERC declines to even address the disposition of these easements, saying that:

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<sup>5</sup> See Letter from Friends of Nelson to Kimberly D. Bose, FERC, Dkt. Nos. CP15-554 et al. (March 2, 2021); Letter from Friends of Nelson to Kimberly D. Bose, FERC, Dkt. Nos. CP15-554 et al. (April 15, 2021). Also, by letters dated August 3, 2020, February 9, 2021 and April 16, 2021, the Southern Environmental Law Center filed additional comments addressing the need to release these easements. These comments were submitted on behalf of Friends of Nelson and a number of other citizen advocacy groups. And by letters dated April 16, 2021 and June 30, 2021, the Niskanen Center filed comments on behalf of Friends of Nelson, affected landowners and landowner advocacy organizations.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

"We received a number of comments that the Commission should require the relinquishment of the easements held by Atlantic due to the fact that Atlantic has cancelled the ACP Pipeline Project. While we understand there appears to be no obvious cause for Atlantic to retain an easement for disconnected segments of pipe that are not flowing gas, easements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this supplemental EIS."<sup>6</sup>

The Commission provides only the most conclusory explanation as to why the release of easements or rights-of-way is not within the scope of the Draft SEIS. The Commission simply recites, with no explanation or rationale, that:

"During scoping, we received comments that raised issues that are outside the scope of this supplemental EIS. For example, many commenters object to Atlantic and EGTS not relinquishing easements, request that easements are to be returned to landowners, indicated the potential for the companies to sell/sublease easement rights, and requested for FERC to intervene on behalf of landowners to negotiate the final disposition of easement agreements. Contractual issues regarding easement agreements are not environmental issues and therefore are outside the scope of the supplemental EIS."<sup>7</sup>

The Commission further recites that "[t]he land obtained by Atlantic and EGTS as permanent right-of-way would generally be allowed to revert to its former use, and landowners would have use of it, except that certain activities such as the construction of permanent structures, including houses, house additions, trailers, tool sheds, garages, poles, patios, pools, mobile homes, septic tanks, or other objects not easily removable, or the planting of trees, would be prohibited within the 50-foot-wide permanent easement."<sup>8</sup> Certainly, a prohibition against planting trees has a direct environmental impact and presumably is an appropriate subject for an environmental impact statement. Similarly, the prohibition against constructing any permanent structures, such as houses, patios and pools, has a direct effect on the landowners' peaceful enjoyment of their property and prohibits many positive improvements that will be very beneficial to the environment. Again, this seems to be an appropriate subject for an environmental impact statement. Finally, it is entirely appropriate for this concern to be included in Section 4.10.1 "Socioeconomics." Indeed, FERC incorrectly claims in Table 1.4-1 that some of the easement issues raised in the comments<sup>9</sup> of a Nelson County title attorney (and echoed in the

<sup>6</sup> Draft SEIS at 4-66.  
<sup>7</sup> Draft SEIS at 1-16.  
<sup>8</sup> *Id.*  
<sup>9</sup> Letter from Lisa Tully to Kimberly D. Bose, FERC, Dkt. Nos. CP15-554 et al., (March 5, 2021), Accession number 20210305-5258

3

NGO02-1

NGO02-2

NGO02-1: The sEIS was prepared by Commission environmental staff and should not be interpreted as decisions/conclusions made by "the Commission." If and when this Project is scheduled for Commission action (i.e., a decision on whether to approve it), the subject of easements may be taken up at that time. FERC staff agrees that the easement issue is complex; but it is a legal/contractual issue that is outside of the scope of the environmental review. In its comments, the Friends of Nelson state that the possible release of ACP and SHP easements would result in changes in use of the land and resulting environmental impacts. The 2017 FEIS evaluated the impact on land use from the construction, restoration, and operation of the ACP and SHP pipeline systems and disclosed the impact of temporary and permanent easements on the uses of the land.<sup>2</sup> The commenters correctly suggest that if the easement restrictions against construction of new structures or planting of new trees in the easement were ameliorated, there would be less impact on the use of that parcel. However, a landowner with a pipeline easement on their property still has the ability to plant trees and build structures on the portions of their land not encumbered by an easement, so the release of the easement restrictions would not necessarily translate into new environmental impacts due to the construction of additional structures or tree planting that were not previously analyzed in the 2017 FEIS.

## **NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02-2: Section 4.8.2 of the 2017 FEIS identifies that property owners would be compensated for the loss of use of their property due to the easements in accordance with the laws of the State of West Virginia and North Carolina or the Commonwealths of Pennsylvania and Virginia. While many commenters have questioned whether the compensation received fairly mitigates for the loss of use and enjoyment of their property due to the pipeline easement, this is for the appropriate state-level courts to decide.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

NGO02-2  
(cont.)

NGO02-3

NGO02-4

{ docket by Friends of Nelson and other stakeholders) are addressed in that very section.<sup>10</sup>

{ However, even if the Commission continues to assert that the release of easements or rights-of-way are not within the scope of the Draft SEIS, the releases are an appropriate topic for the order that the Commission will issue in this Certificate amendment proceeding (the "Proceeding"). We therefore request that all public comments pertaining to these concerns be forwarded to the Commissioners directly if they are not going to be addressed by the Staff in the Final SEIS.<sup>11</sup> In issuing that order, it is the obligation of the Commission to take action that is "in the public interest" and "for the public convenience and necessity." As detailed below, the responses of Atlantic as to its intent to retain some or all of the temporary and permanent easements are "in the private interest" of Atlantic and contrary to "the public interest" and "the public convenience and necessity."

**II. The vast majority of temporary and permanent easements should be released "in the public interest" because there is no restoration work to be done on these properties**

{ The temporary and permanent easements that Atlantic acquired to build the now-abandoned ACP fall into two categories. The great majority of the easements are on property where no construction has occurred and, with the abandonment of the ACP, will never occur. There is no restoration work to be done on these properties, so there is no justification for these easements to continue to burden the properties. Said differently, it is "in the public interest" for these easements to be cancelled immediately if requested by the affected landowner.

{ The second category is easements on property where some construction has occurred, such as tree felling. For these properties, an argument can be made that it is "in the public interest" for the temporary and permanent easements to remain on the property until all restoration work has been completed and any monitoring period ends. A better argument can be made, however, that the easements are

<sup>10</sup> Draft SEIS at 1-15. However, see also Draft SEIS section 4.10.1 at 4-68, 4-68 where, despite Table 1.4-1's claims, the listed easement concerns are actually not even mentioned.

<sup>11</sup> There is clear precedent for the Commission to use the Certificate amendment proceeding to limit the easements beyond what is in the easement document. For example, ACP's Certificate provides: Atlantic shall not exercise eminent domain authority granted under section 7(h) of the NGA to acquire a permanent pipeline right-of-way exceeding 50 feet in width. In addition, where Atlantic has obtained a larger permanent right-of-way width through landowner negotiations, routine vegetation mowing and clearing over the permanent right-of-way shall not exceed 50 feet in width. (Section 2.2.1.1) Certificate, p. 138. In other words, FERC explicitly imposes certificate conditions that bind the certificate holder regardless of what rights it may have coerced from landowners."

NGO02-3: Comments noted. The Commissioners have access to all comments via FERC's eLibrary. The Commission's public interest determination and contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO02-4: See response to comment NGO02-3.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO02 – Friends of Nelson County (cont.)

NGO02-4  
(cont.)

much broader than is needed for restoration work and monitoring. For those properties, the Commission should limit the use of the easements by Atlantic solely to what is needed for completion of restoration work and subsequent monitoring on individual impacted properties rather than permitting Atlantic to retain them through completion of the work and monitoring needed on all other properties along the route. If the restoration work requires no monitoring, the easements should be released promptly. For example, if the sole restoration work is to remove two felled trees, there is no need for a "monitoring" period. Those easements should be released upon completion of the tree removal.

Nelson County is a good example of the two categories of easements. Friends of Nelson has researched the more than 250 easements and easement modification agreements that were filed at the Nelson County Courthouse between October 2015 and July 2020. Of the properties impacted by these easements and easement modification agreements, Atlantic has engaged in construction activity (felling trees) on only one property. So only one property potentially has restoration work to be done. The rest of the properties in Nelson County have had no construction activity. It clearly is "in the public interest" to release all of those easements immediately if requested by the landowner.

Looking beyond Nelson County, a similar picture emerges when the full length of the ACP is considered. On May 07, 2021, FERC issued an Environment Information Request ("Information Request") to ACP. Accession No. 20210507-3045. Among other items, FERC requested that Atlantic address its plans for the permanent easements, temporary easements, workspaces, and access roads that it has acquired with FERC's authorization of the Section 7 Certificate. *Id.* at 1. Atlantic supplied a partial response on May 17, 2021, addressing in part FERC's questions on what Atlantic planned to do with the property it obtained to construct the project ("Atlantic's Response"). Accession No. 20210517-5093. Atlantic supplied the remainder of its response to other questions from FERC on June 7, 2021. Accession No. 20210607-5185.

Atlantic disclosed that over the full length of the ACP it controls 4,849 temporary easements, workspaces, access roads, and staging areas that cover a total of 5,668 acres. Atlantic's Response, PDF p. 7. However, Atlantic also stated that it has only built 31.4 miles of pipeline, disturbed earth and felled trees across 222.5 miles; and 1,100 of the pipelines' approximately 3,100 tracts (or around one-third) have had "ground disturbance or tree felling activities." *Id.* Since the tree felling and ground disturbing activities do not impact the vast majority of the tracts of land under Atlantic's control, Atlantic must terminate the temporary easements on undisturbed land immediately, as there is no need for, and no public interest in, 'restoration' or 'monitoring' of these areas. Similarly, the vast majority of the 2,603 permanent easements that Atlantic took do not require any restoration or monitoring, and therefore there is no reason why Atlantic should retain these easements. Undisturbed permanent easements should be returned immediately to the landowners' possession upon request.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

With this background, it is clear that the requirement that easements be relinquished unless there is restoration complies with the "public interest" and "public convenience and necessity" standard that applies to the amendment of the Certificate. It is equally clear that the benefits of releasing the great majority of the easements outweigh the adverse effects. In fact, we are unable to identify any adverse effects. Atlantic's insistence that it will retain all temporary easements until restoration and monitoring is complete, even on properties where there is no restoration and monitoring, serves only the private interests of Atlantic. Atlantic's statement that it intends to retain the permanent easements forever is the ultimate self-serving position. The benefits accrue solely to Atlantic and the serious adverse effects are imposed only on the public. The only possible conclusion is that ordering Atlantic to relinquish the easements will serve the public interest, and allowing Atlantic to selfishly retain the easements serves only the private interests of Atlantic.<sup>12</sup>

**III. Legal Considerations - The Public Interest v. Atlantic's Private Interest**

A final set of issues relates to whether there is any legal reason why FERC is precluded from ordering Atlantic to relinquish the easements. No filing in this Docket by either FERC or Atlantic contains any legal rationale as to why FERC is precluded from ordering Atlantic to relinquish the easements, nor is there any assertion by FERC or Atlantic that FERC cannot, in fact, order the relinquishment of the easements. FERC's sole statement is that "[c]ontractual issues regarding easement agreements are not environmental issues and therefore are **outside the scope of the supplemental EIS.**" (emphasis added).<sup>13</sup> While we dispute this conclusion, FERC does not state that it has no authority to order Atlantic to relinquish or modify the easements in the overall context of the Certificate amendment proceeding.

To understand FERC's views with respect to the relinquishment of the easements, we are left to snippets of statements by FERC and Atlantic. Atlantic simply assumes that it has the right to retain the temporary and permanent easements, and that it is the only entity that has any say as to whether the easements will be relinquished. Thus, in response to the Information Request, Atlantic states that "

<sup>12</sup> There is precedent for the Commission to include in the Certificate limitations on the easements that go beyond what is in the standard easement document. For example, ACP's Certificate provides that Atlantic shall not exercise eminent domain authority granted under section 7(h) of the NGA to acquire a permanent pipeline right-of-way exceeding 50 feet in width. In addition, where Atlantic has obtained a larger permanent right-of-way width through landowner negotiations, routine vegetation mowing and clearing over the permanent right-of-way shall not exceed 50 feet in width. (Section 2.2.1.1) Certificate, p. 138. In other words, FERC has explicitly imposed Certificate conditions that bind the certificate holder regardless of what rights it may have coerced from landowners.

<sup>13</sup> Draft SEIS at 1-16.

NGO02-5: As previously stated, contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO02-5

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO02 – Friends of Nelson County (cont.)

[A]ll temporary construction easements, TWS, ATWS access roads and staging areas will be returned to the **landowners in accordance with their contractual terms,** and " [in] order to fulfill its commitments to perform restoration work and monitoring on the permanent ROW, Atlantic will need to retain ownership of those (temporary) easements until restoration and closeout of federal, state and local permits and the appropriate monitoring periods have been completed. At such time, **ACP will communicate with landowners on a case-by-case basis to determine the permanent disposition of the (temporary) easement.**" Further, "Landowners will have to abide by the terms of easement agreements until restoration work is complete. Following completion of the restoration work, **Atlantic will coordinate with individual landowners on a case-by-case basis to accommodate landowner's use of the permanent easement area on their property.** It is anticipated that landowner activities, including planting of trees, will be limited only to the extent such activities do not impede Atlantic's maintenance and monitoring obligations required by federal, state, and local permits." **(emphasis added).** Note that Atlantic is specifically stating that Atlantic will continue to own the permanent easement area even after restoration work, if any, is complete, and that landowners will have to seek Atlantic's permission to engage in any activities in the permanent easement area. Atlantic makes no commitment that it will allow any activities in the permanent easement area ("it is anticipated that"), and it makes no commitment that it will not exact a financial payment from the landowners in exchange for approving their requests.

In the Draft SEIS, FERC discusses Atlantic's ownership and control of the temporary and permanent easements using somewhat different language, but with the same implication that Atlantic has sole control over these easements, and FERC will allow Atlantic to dictate the terms under which it will allow landowners to do anything that is contrary to the current terms of the easements. Thus, in Section 4.9.2.1, regarding Temporary Easements, FERC states:

"For the ACP and SHP Restoration Projects, **all temporary construction easements** (i.e., temporary workspace, access roads, and staging areas) **would be restored, returned to the landowners in accordance with the terms of the landowner agreement,** and allowed to revert to prior uses. Atlantic and EGTS have stated that the temporary construction easements would remain in place until restoration and closeout of federal, state, and local permits and post-construction monitoring periods are complete. During the restoration and monitoring periods, Atlantic and EGTS may use these temporary easements to complete restoration and to access monitoring locations. **Following completion of these activities, Atlantic and EGTS have stated that the temporary easement would be relinquished to the landowner.**" **(emphasis added)** Draft SEIS at 4-65.

We note that FERC's description of the disposition of the temporary easements is different in certain important respects from Atlantic's description of its intent. Atlantic stated that it "will need to retain ownership of those (temporary) easements until restoration and closeout of federal, state and local permits and the

NGO02-6: As stated in section 4.9.2.1 of the sEIS, all temporary construction easements (i.e., temporary workspace, access roads, and staging areas) would be restored, returned to the landowners in accordance with the terms of the landowner agreement, and allowed to revert to prior uses. We reiterate our position that easement agreements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for FERC to require Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this sEIS.

NGO02-6



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

NGO02-6  
(cont.)

appropriate monitoring periods have been completed. At such time, ACP will communicate with landowners on a case-by-case basis to determine the permanent disposition of the easement.” FERC states that “[f]ollowing completion of these activities, Atlantic and EGTS have stated that the temporary easement would be relinquished to the landowner.” Consistent with FERC’s statements, we submit that, if requested by the landowner, FERC must order Atlantic to relinquish all temporary easements when restoration and monitoring is completed. If no restoration work is required for a specific property, FERC should order that the temporary easement be relinquished immediately if requested by the landowner.

Section 4.9.4.2 in the Draft SEIS relates to Permanent Easements. As previously indicated above, FERC states that:

“We received a number of comments that the Commission should require the relinquishment of the (permanent) easements held by Atlantic due to the fact that Atlantic has cancelled the ACP Pipeline Project. **Atlantic has stated that as part of its ACP Restoration Project it would retain the permanent easement.** While we understand there appears to be no obvious cause for Atlantic to retain an easement for disconnected segments of pipe that are not flowing gas, **easements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this supplemental EIS.**” (emphasis added) Draft SEIS at 4-66.

NGO02-7

We read FERC’s statement that “easements between landowners and Atlantic or EGTS are legal instruments” as stating that FERC will allow Atlantic to insist that landowners comply with the terms of the easements, even after all restoration work, if any, is completed. Atlantic clearly indicates that it intends to retain the permanent easements when it states that “[f]ollowing completion of the restoration work, Atlantic will coordinate with individual landowners on a case-by-case basis to accommodate landowner’s use of the permanent easement area on their property.” *Id.* Atlantic also clearly believes that it has the legal right to retain all permanent easements even after all restoration work is completed, and that individual landowners will have to get Atlantic’s permission to use the permanent easement area. Implicit in this is the possibility, or even the probability, that Atlantic will exact a financial payment from the landowner in return for permission to use the permanent easement area. And this is true even after the Certificate authorizing construction of the ACP is formally cancelled and all restoration work and monitoring is completed.

NGO02-8

Similarly, FERC seems to accept that Atlantic has the unlimited right to retain the permanent easements when it states in the Draft SEIS that “[t]he land obtained by Atlantic and EGTS as permanent right-of-way would generally be allowed to revert to its former use, and landowners would have use of it, except that certain activities such as the construction of permanent structures, including houses, house additions, trailers, tool sheds, garages, poles, patios, pools, mobile homes, septic tanks, or other objects not easily removable, or the planting of trees, would be prohibited within the 50-foot-wide permanent easement.” *Id.* These exceptions are

NGO02-7: See response to comment NGO02-5.

NGO02-8: Contractual issues regarding the use of easements after disposition are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO02 – Friends of Nelson County (cont.)

extremely burdensome to landowners, and landowners may well be forced to pay Atlantic to obtain permission to use their land for many important purposes. This would promote the "private interests" of Atlantic at the expense of the "public interests" of the landowners.

Essentially, Atlantic is stating that it has two businesses. The first business is the construction of the ACP. FERC's action in granting the certificate of public convenience and necessity for the ACP bestowed on Atlantic the right to forcibly acquire easements on private property through the exercise of eminent domain. Atlantic acquired easements over a number of properties by suing property owners and exercising their right of eminent domain, and negotiations for "voluntary" easements were coerced by Atlantic's statements that it would use its power of eminent domain to forcibly acquire the easements if the property owners resisted. FERC directly supported Atlantic's coercive actions by informing landowners that Atlantic had a right to acquire easements across their property using the power of eminent domain. FERC informed landowners that they could not refuse to grant the easements – they had only two options, to try to negotiate the terms of the easements with Atlantic or be taken to court by Atlantic and ordered to grant the easements. The entire process was terribly tilted in Atlantic's favor. Especially after their attorneys' fees and other expenses were factored in, most landowners did not receive "just compensation" for the easements that were imposed. Landowners certainly did not feel so. Landowners were up against the most powerful multi-billion-dollar utilities in the states, with unlimited resources. Those mega-corporations were represented by a phalanx of the largest, most sophisticated law firms. And any "negotiations" with the landowners were prefaced with, "if we don't reach agreement, we're going to sue you, you'll have to pay thousands of dollars in attorneys' fees, and in the end you'll lose. Here are a few court cases that prove this."

Now that Atlantic has abandoned the construction of the ACP, Atlantic indicates that they are entering a second business – retaining all temporary and permanent easements and negotiating with landowners on a case-by-case basis to grant variances to allow landowners to use their property in ways that are prohibited by those easements, such as planting trees or building a house or barn. Lurking in the background is the implication that it is completely in Atlantic's discretion whether to allow such uses, and that Atlantic may require a landowner to pay them for granting such variances. We submit that there is no conceivable "public interest" justification for FERC allowing Atlantic to engage in this second business. The only public interest justification for Atlantic to retain the easements is to complete restoration work on the proposed path of the ACP and then close up shop. For Atlantic to utilize the easements it holds for the purpose of private enterprise money-making activities violates the sole public interest basis for allowing Atlantic to obtain the easements in the first place – construction of the ACP. Serving the "private interests" of Atlantic is contrary to FERC's mission and must not be allowed. FERC should specifically order Atlantic to relinquish the easements upon request by a landowner.

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NGO02-9: The Commission's public interest determination and contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO02-9

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

NGO02-10

**IV. Taking of Property without Just Compensation**

There is a final potential issue that neither FERC nor Atlantic has articulated. The apparent hesitancy of FERC to state clearly that Atlantic must immediately relinquish all temporary and permanent easements on properties for which there is no restoration work to be completed may reflect a concern that cancelling these easements would constitute an unconstitutional taking of property without just compensation. For several reasons, such an analysis fails. First, as Friends of Nelson has stated in its previous comment letters, from the public reporting of Dominion Energy, Inc. and Duke Energy, the owners of Atlantic, it seems clear that Dominion and Duke Energy have fully written off the costs relating to the cancelled and abandoned ACP Project. The costs relating to the Project include the costs of acquiring the easements. As a result, requiring Dominion and Duke Energy (through Atlantic) to release all of the easements, which are carried on their balance sheets as having zero value, will have no financial impact on Dominion or Duke Energy or Atlantic. No compensation for relinquishing the easements is required.<sup>14</sup>

In addition, Atlantic initiated this Certificate amendment proceeding in large part because it will benefit financially from FERC's determinations in the proceeding and will be protected legally from subsequent damage claims where it has failed to restore land. For example, Atlantic has already made a number of variance requests, and FERC has approved a number of these variance requests to the benefit of Atlantic. For example, on June 22, 2021, Atlantic made a variance request that FERC allow it to leave in place the stone that has been placed at the CY-Spr 01A (Brushy Fork) construction yard.<sup>15</sup> This variance request allowed Atlantic to save money by not being required to remove the stone, and it also gave Atlantic the certainty that it could not later be sued for failing to fulfill its obligation to remove the stone. FERC approved the variance request.

Similarly, the Certificate amendment proceeding has provided Atlantic with a venue to request that it not be required to complete substantial restoration work, thereby providing substantial financial benefits to Atlantic and providing Atlantic with the certainty that it could not be sued for failing to restore property it had damaged. Again, as just one example, even over certain landowner's repeated objections,<sup>16</sup> Atlantic proposes to leave all installed pipeline in place (approximately 31.4 miles of the pipeline right-of-way) and leave felled trees in place in areas where trees have not yet been cleared (approximately 25.2 miles of the pipeline

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<sup>14</sup> Letter from Friends of Nelson to Kimberly D. Bose, FERC, Dkt. Nos. CP15-554 et al., at pp. 12-14 (April 15, 2021)

<sup>15</sup> Letter from Atlantic Coast Pipeline, LLC of Nelson to Kimberly D. Bose, FERC, Dkt. Nos. CP15-554 et al., (June 22, 2021) (Document Accession #: 20210622-5135)

<sup>16</sup> See, for example, DKT. Nos. CP15-554 et al., Document Accession Numbers 20210907-5077, 20210812-5139 and 20210416-5279.

10

NGO02-10: As stated in the sEIS and in previous comment responses, the sEIS is not a decision document, and FERC environmental staff cannot mandate that easements be immediately relinquished. To the extent appropriate, issues related to easements may be addressed in an Amendment order. Similarly, financial and cost-accounting issues are outside of the scope of the sEIS. We also note that it was FERC's decision to initiate the current proceeding as a certificate amendment, not Atlantic's or EGTS.'

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

NGO02-10  
(cont.)

right-of-way).<sup>17</sup> The cost savings to Atlantic will be very substantial, and, if approved by FERC, will protect Atlantic from subsequent damage claims. In the totality of the Certificate Amendment Proceeding, the value of the financial and legal liability protections that Atlantic will receive will vastly exceed any financial loss from a FERC order to relinquish the easements if, in fact, there is any financial loss.

\* \* \*

NGO02-11

For the reasons set forth herein, the Commission should require Atlantic to give private landowners and open-space easement holders the opportunity to regain full ownership of their property by releasing easements held by Atlantic for a Pipeline it will not build. Specifically, Atlantic must contact the owners of all properties where a right-of-way easement exists and inform them that (a) Atlantic will release the right-of-way easement within 90 days of a written request from an affected landowner or open-space easement holder; (b) Atlantic will provide the affected landowner or open-space easement holder with the proposed written release of the right-of-way easement; (c) Atlantic will pay the reasonable attorneys' fees of the affected landowner or open-space easement holder incurred in reviewing and negotiating changes to the proposed written release of the right-of-way easement; and (d) Atlantic will file the final, executed written release of the right-of-way easement in the land records of the appropriate jurisdiction. The sole exception should be with respect to specific properties that require restoration work and subsequent monitoring. As to those properties, the Commission's order should limit the use of the temporary and permanent easements by Atlantic solely to completion of such restoration work and monitoring on those properties. Any monitoring period should be tailored to each property based on the extent and type of restoration work. The easements should be released promptly upon completion of the monitoring period.

Respectfully submitted,

/s/Douglas Wellman

Douglas Wellman  
President  
Friends of Nelson

<sup>17</sup> Cover Letter to Draft SEIS, unnumbered page 2.

NGO02-11: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO02 – Friends of Nelson County (cont.)

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated: September 12, 2021

/s/ Douglas Wellman

Douglas Wellman

President

FRIENDS OF NELSON

PO Box 33

Nellysford, VA 22958

friendsofnelson@gmail.com

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

NGO03 – Clean Water for North Carolina, et. al.,

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

September 13, 2021

**Re: Comments on Draft Supplemental Environmental Impact Statement for the Atlantic Coast Pipeline Restoration Project, Docket CP15-554-009**

Dear Secretary Bose:

Following issuance of the Certificate of Public Convenience and Necessity by the Federal Energy Regulatory Commission (FERC) in October of 2017, Atlantic Coast Pipeline developers (Atlantic) secured easements for 98% of its route before the project's cancellation. It is estimated that some construction or land disturbance had been conducted on roughly 230 miles of the planned 604 mile route, with most activities limited to tree felling.<sup>1</sup>

ACP obtained roughly thousands of easement agreements along the route – permanent and temporary – from private landowners spanning across WV, VA, and NC, many through eminent domain proceedings or through agreements backed by the company's threat of using eminent domain.

While the project has been completely abandoned, Duke and Dominion have publicly stated that they do not intend to voluntarily relinquish the easements back to landowners, nor do they have plans to transfer the easements to a third party for use in another infrastructure project.<sup>2</sup> No explanation has been given, with the company merely stating that they intend to keep possession of the easements and have no plans for their use. This is an outright admission that they are not putting these properties to a public use or benefit as required for properties acquired under threat of condemnation.

Temporary easements were intended to be used only during pipeline construction – but Dominion plans to keep the temporary holdings for at least 3-5 years until all properties damaged by construction have been restored. However, no tree felling, earth moving, or other construction impacts occurred along over 50% of the route. It is therefore completely unacceptable and unclear why Dominion is holding these undisturbed easements hostage.

The refusal by Atlantic to release easements represents a severe, continuing, illegal, and unwarranted burden on properties across the entire route of the defunct project. Landowners cannot build, operate heavy machinery, or move earth within the easements, which significantly impairs the owners' legal enjoyment and use of their property and diminishes its value. Owners

<sup>1</sup> Atlantic Coast Pipeline Disposition and Restoration Plan, Revision 1. December 16, 2020.

<sup>2</sup> *Regulators Get Plan For Undoing The Atlantic Coast Pipeline*. WUNC. January 5<sup>th</sup> 2021.

NGO03-1: Contractual issues regarding the use and disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO03-1

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO03 – Clean Water for North Carolina, et. al., (cont.)

NGO03-1  
(cont.)

who wish to sell their property may find that potential purchasers are deterred by these same restrictions.

Therefore, as stated in the comments submitted to FERC by Southern Environmental Law Center in February 2021 on behalf of Shenandoah Valley, Appalachian Voices, Chesapeake Bay Foundation, Inc., Chesapeake Climate Action Network, Cowpasture River Preservation Association, Friends of Buckingham, Friends of Nelson, Highlanders for Responsible Development, Piedmont Environmental Council, Shenandoah Valley Battlefields Foundation, Sierra Club, Sound Rivers, Inc., Virginia Wilderness Committee, Wild Virginia, Inc., and Winyah Rivers Foundation, the below signed are urging Commissioners to:

“... require Atlantic to give private landowners and open space easement holders the opportunity to regain full ownership of their property—by releasing easements held by Atlantic for a pipeline it does not intend to build... Atlantic must contact the owners of all property where a right-of-way easement exists and inform them that

(a) Atlantic will release the right-of-way easement within 90 days of a written request from an affected landowner or open-space easement holder;

(b) Atlantic will provide the affected landowner or open-space easement holder with the proposed written release of the right of-way easement;

(c) Atlantic will pay the reasonable attorneys’ fees of the affected landowner or open-space easement holder incurred in reviewing and negotiating changes to the proposed written release of the right-of-way easement; and

(d) Atlantic will file the final, executed written release of the right-of-way easement in the land records of the appropriate jurisdiction.”<sup>3</sup>

As expressed by the Nelson County Board of Supervisors in their comments to FERC on the proposed restoration plans, “FERC, having authorized this process and its consequences, bears the responsibility of creating a process whereby landowners can have their previous property rights fully restored as well as ecological restoration or full reimbursement of the economic costs of physical ecological restoration.”<sup>4</sup> The proposed restoration activities mark closure for the thousands of impacted community members who have fought relentlessly against this unneeded, unjust, fracked gas project from the start. FERC can no longer stay silent on this issue, and must

<sup>3</sup> Southern Environmental Law Center. Comments on Restoration Plans for Atlantic Coast Pipeline and Supply Header Project, Dockets CP15-554 & CP15-555, February 9, 2021: <https://www.abralliance.org/wp-content/uploads/2021/02/Comments-on-ACP-restoration-plan-SELC-et.-al.-2-9-21.pdf>

<sup>4</sup> Nelson County Board of Supervisors. Comments to FERC, April 14, 2021: [abralliance.org/wp-content/uploads/2021/04/Nelson-County-Administrator-comments-on-ACP-restoration-4-14-21.pdf](https://www.abralliance.org/wp-content/uploads/2021/04/Nelson-County-Administrator-comments-on-ACP-restoration-4-14-21.pdf)

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO03 – Clean Water for North Carolina, et. al., (cont.)

NGO03-1  
(cont.)

{ require Atlantic to relinquish the easements upon request as a condition of approving the restoration plan.

Sincerely,

Rachel Velez  
Clean Water for North Carolina

Belinda Joyner  
Concerned Citizens of Northampton County

George Matthis  
River Guardian Foundation

Karen Bearden  
350 Triangle

Martha Girolami  
Chatham Research Group

Lib Hutchby  
Women's International League for Peace and Freedom-Triangle Branch

Therese Vick  
Blue Ridge Environmental Defense League

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO04 – Southern Environmental Law Center

**SOUTHERN  
ENVIRONMENTAL  
LAW  
CENTER**

201 West Main Street, Suite 14  
Charlottesville, VA 22902

Telephone 434-977-4090  
Facsimile 434-977-1483

September 13, 2021

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street NE, Room 1A  
Washington, DC 20426

**Re: Comments on Draft Supplemental Environmental Impact Statement for  
Atlantic Coast Pipeline Restoration Project and Supply Header Restoration  
Project, Dockets CP15-554-009 & CP15-555-007**

Dear Secretary Bose:

On behalf of Alliance for the Shenandoah Valley, Appalachian Voices, Chesapeake Bay Foundation, Inc., Chesapeake Climate Action Network, Cowpasture River Preservation Association, Friends of Buckingham, Friends of Nelson, Highlanders for Responsible Development, Piedmont Environmental Council, Shenandoah Valley Battlefields Foundation, Sierra Club, Sound Rivers, Inc., Virginia Wilderness Committee, Wild Virginia, Inc., and Winyah Rivers Foundation, and in response to the Federal Energy Regulatory Commission's ("FERC's") July 23, 2021 notice,<sup>1</sup> we hereby submit these comments on the draft supplemental environmental impact statement ("EIS") for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project.<sup>2</sup>

While we appreciate FERC's careful review of the restoration plans submitted by Atlantic Coast Pipeline, LLC ("Atlantic") and Eastern Gas Transmission and Storage, Inc. ("Eastern GTS"), we highlight several shortcomings in FERC's draft supplemental EIS and urge FERC to make the revisions described in these comments prior to FERC's release of a final supplemental EIS and the Commission's issuance of an order resolving this certificate amendment proceeding.

<sup>1</sup> Notice of Availability of the Draft Supplemental Environmental Impact Statement for the Proposed Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project, Dkt. Nos. CP15-554-009 et al. (July 23, 2021) (eLibrary No. 20210723-3018).

<sup>2</sup> Draft Suppl. Envtl. Impact Statement for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project, Dkt. Nos. CP15-554-009 et al. (July 2021) (eLibrary No. 20210723-3006) ("Draft Suppl. EIS").

Charlottesville Chapel Hill Atlanta Asheville Birmingham Charleston Nashville Richmond Washington, DC



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO04 – Southern Environmental Law Center (cont.)

Kimberly D. Bose, Secretary  
September 13, 2021  
Page 2

1. **The Commission's order resolving the certificate amendment proceeding should require Atlantic to release easements upon request from private landowners or open-space easement holders.**

As we have urged FERC in prior letters,<sup>3</sup> now that the Atlantic Coast Pipeline ("ACP") will not be built, the Commission should require Atlantic to give private landowners and open-space easement holders the opportunity to regain full ownership of their property through Atlantic's release of its permanent easements. In the draft supplemental EIS, FERC declines to resolve the disposition of permanent easements, saying that "easements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for Atlantic to relinquish easements or rights-of-way are not within the scope of this supplemental EIS."<sup>4</sup> If so, then the Commission has an obligation to address this issue in its anticipated order resolving this certificate amendment proceeding.

Atlantic obtained permanent easements from private landowners affecting the use of 2,603 parcels along the ACP's route,<sup>5</sup> many secured through eminent domain proceedings or through agreements backed by the express threat of Atlantic's exercise of eminent domain. Some landowners incurred tens of thousands of dollars in costs for assessments and attorneys' fees—costs that the landowners cannot recoup—before ultimately being compelled to sign easement agreements.

These permanent easements represent a severe, continuing, and now wholly unwarranted burden on properties throughout the ACP's 604-mile path. As FERC recognizes in the draft supplemental EIS, "there appears to be no obvious cause for Atlantic to retain an easement for disconnected segments of pipe that are not flowing gas."<sup>6</sup> As long as these 50-foot-wide easements remain in effect, landowners are prohibited from engaging in "the construction of permanent structures, including houses, house additions, trailers, tool sheds, garages, poles, patios, pools, mobile homes, septic tanks, or other objects not easily removable, or the planting of trees."<sup>7</sup> Such restrictions can significantly impair the owners' enjoyment of their property and diminish its value, and owners who wish to sell their property may find that potential purchasers are deterred by these same restrictions. The easements also burden landowners' peace of mind, due to the threat that Atlantic could someday transfer the easement to the developer of another project that could carve through their property.

<sup>3</sup> See Letter from Gregory Buppert, SELC, et al. to Kimberly D. Bose, FERC, at 2–3, Dkt. Nos. CP15-554 et al. (Feb. 9, 2021) (eLibrary No. 20210209-5147); Letter from Gregory Buppert, SELC, et al. to Kimberly D. Bose, FERC, at 4–5, Dkt. Nos. CP15-554-009 et al. (Apr. 16, 2021) (eLibrary No. 20210416-5277) ("April 2021 Scoping Comments").

<sup>4</sup> Draft Suppl. EIS at 4-66.

<sup>5</sup> *Id.*

<sup>6</sup> *Id.*

<sup>7</sup> *Id.*

NGO04-1

NGO04-1: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments will be discussed in an Amendment order.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO04 – Southern Environmental Law Center (cont.)

NGO04-1  
(cont.)

Kimberly D. Bose, Secretary  
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Atlantic has informed FERC that it plans to retain its permanent easements for at least as long as it performs restoration work and subsequent monitoring along the ACP right-of-way.<sup>8</sup> That process alone is expected to take at least 4½ to 5 years<sup>9</sup>—an unreasonable additional burden for landowners who have already faced several years of restrictions on the use of their property. And even when restoration and monitoring are complete, Atlantic has indicated only that it will “communicate with landowners on a case-by-case basis to determine the permanent disposition of the easement.”<sup>10</sup> Atlantic has never committed not to transfer the easements to a third party for use in another pipeline or infrastructure project, saying only that it “ha[s] no plans to do so at this time.”<sup>11</sup>

If FERC will not resolve this issue in its supplemental EIS, the Commission must address it in its order resolving this certificate amendment proceeding—and should do so in a manner consistent with its recently avowed commitment to improving fairness and transparency for landowners affected by energy projects under its jurisdiction. The Commission’s order should require Atlantic to contact the owner of each property where a permanent easement exists and inform the owner that (a) Atlantic will release the right-of-way easement within 90 days of a written request from an affected landowner or open-space easement holder; (b) Atlantic will provide the affected landowner or open-space easement holder with the proposed written release of the right-of-way easement; (c) Atlantic will pay the reasonable attorneys’ fees of the affected landowner or open-space easement holder incurred in reviewing and negotiating changes to the proposed written release of the right-of-way easement; and (d) Atlantic will file the final, executed written release of the right-of-way easement in the land records of the appropriate jurisdiction.

2. **FERC should preserve its proposed condition that Atlantic honor landowner preferences regarding removal of felled trees and should include a similar condition for other restoration requirements.**

Construction of the now-abandoned ACP involved the felling of trees on approximately 2,588 acres of forested land, of which about 1,581 acres (108.4 miles) of downed trees were left in place and remain on the ground today.<sup>12</sup> While Atlantic proposed to leave only 25.2 miles of felled trees in place and remove 83.2 miles, FERC determined in the draft supplemental EIS that in most circumstances it would offer a significant environmental advantage to leave all felled

<sup>8</sup> *Id.*

<sup>9</sup> *See id.* at 2-27 (estimating that restoration will take “between 1 1/2 to 2 years”), 2-28 (reporting that post-restoration monitoring will last for “a minimum of three years”).

<sup>10</sup> *Id.* at 4-66.

<sup>11</sup> Sarah Rankin, *Regulators Get Plan for Undoing the Atlantic Coast Pipeline*, Associated Press, Jan. 5, 2021, <https://bit.ly/3c9R3ki>.

<sup>12</sup> Draft Suppl. EIS at 3-3.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO04 – Southern Environmental Law Center (cont.)

Kimberly D. Bose, Secretary  
September 13, 2021  
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trees in place.<sup>13</sup> But FERC also explained that it “understand[s] and agree[s] that landowners ought to have a say in how their land is affected with respect to the felled trees . . . .”<sup>14</sup> Consequently, the draft supplemental EIS recommends requiring Atlantic to leave all felled trees in place, except on parcels where the landowners prefer removal of the felled trees.<sup>15</sup>

NGO04-2

We support FERC’s approach, which gives affected landowners a voice in how their property will be restored without sacrificing environmental protection.<sup>16</sup> The proposed Condition 7 should be preserved in the final supplemental EIS and included in the Commission order that resolves this certificate amendment proceeding.

NGO04-3  
NGO04-4

We also appreciate that Atlantic “plans to continue with its outreach to landowners” regarding their specific restoration requests, and that Atlantic has indicated that it “will coordinate with landowners to ensure the work is completed to the reasonable satisfaction of the landowner.”<sup>17</sup> FERC should memorialize Atlantic’s commitment by making completion of restoration work to the reasonable satisfaction of the landowner a condition of the Commission’s certificate amendment order. In addition, FERC should require Atlantic to reimburse landowners for the reasonable costs incurred in obtaining professional advice as to appropriate restoration measures for their property.<sup>18</sup>

**3. FERC should not permit Atlantic to engage in new tree-felling within established setbacks around wetlands and waterbodies.**

Atlantic has proposed to engage in new tree-felling in segments associated with setbacks around wetlands and waterbodies, in order to move equipment between work areas where tree-

<sup>13</sup> *Id.* at 3-5 to 3-6.

<sup>14</sup> *Id.* at 3-4.

<sup>15</sup> *Id.* at 3-5 to 3-6, 5-3 (proposed Condition 7).

<sup>16</sup> Where Atlantic believes that there are “safety, landowner, or environmental concerns that have yet to be identified” that would militate towards leaving felled trees in place despite a landowner’s preference for removal, Atlantic would be required to justify its decision and obtain FERC’s prior approval to leave the trees in place. *Id.*

<sup>17</sup> *Id.* at 2-27.

<sup>18</sup> See *Reh’g En Banc Br. of FERC at 48, Allegheny Def. Project v. FERC*, No. 17-1098 (D.C. Cir. June 30, 2020), 2020 WL 635749, at \*48 (recognizing that if certificate is vacated and pipeline does not go forward, pipeline company that proceeded with condemnation and construction prior to appellate review “would be liable to the landowner for the time it occupied the land and for any damages resulting to the land and to fixtures and improvements, or for the cost of restoration.”) (quoting *E. Tenn. Nat. Gas Co. v. Sage*, 361 F.3d 808, 826 (4th Cir. 2004)).

NGO04-2: Comment noted.

NGO04-3: As described in the 2017 FEIS and in the sEIS, Atlantic has committed to restore affected lands. Based on the subjective nature of “landowner satisfaction,” FERC staff uses the Certificate Order and any attached conditions to assess environmental compliance and restoration success. For example, staff’s environmental recommendation No. 1 would require Atlantic and EGTS to follow the construction and restoration procedures and mitigation measures described in their applications and supplements for their respective Restoration Projects, as well as any applicable remaining measures identified in the 2017 FEIS.

NGO04-4: Comment noted.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO04 – Southern Environmental Law Center (cont.)

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fellings has already occurred.<sup>19</sup> According to the draft supplemental EIS, FERC would allow Atlantic to conduct “a minimal amount of new tree felling in order to accomplish more robust project restoration in areas of difficult access.”<sup>20</sup>

But these riparian buffers, acknowledged in the Clean Water Act Section 401 certifications issued by both Virginia<sup>21</sup> and North Carolina,<sup>22</sup> protect waters from the impacts of nearby land use. The draft supplemental EIS offers no compelling reason why waters currently protected from tree-felling should no longer receive that protection during restoration work. We note that in its comments on the draft supplemental EIS, the Commonwealth of Virginia recently raised concerns about the potential effects of additional tree-felling on specific aquatic natural communities, including the Matthew Creek Stream Conservation Unit.<sup>23</sup> FERC should require Atlantic to continue to comply with setbacks around wetlands and waterbodies and to develop an alternative to tree-felling in these areas that continues to protect the identified waters.

4. **FERC should address the recent failures of Atlantic’s erosion and sediment controls and require Atlantic to upgrade such controls to protect aquatic resources.**

Since the issuance of the draft supplemental EIS, Atlantic has sought five variances from FERC to retrieve gravel, sediment, and woody debris that washed from ACP workspaces and access roads onto adjoining property and into waterbodies.<sup>24</sup> These failures of Atlantic’s erosion

<sup>19</sup> Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. (“Atlantic Coast Pipeline Disposition and Restoration Plan”), at 11, Dkt. No. CP15-554 (Jan. 4, 2021) (eLibrary No. 20210104-5278) (“ACP Plan”).

<sup>20</sup> Draft Suppl. EIS at 2-4.

<sup>21</sup> Va. Dep’t of Env’tl. Quality, Section 401 Water Quality Certification No. 17-002 (Dec. 20, 2017), <https://bit.ly/2YAe7Rn>.

<sup>22</sup> N.C. Dep’t of Env’tl. Quality, Section 401 Water Quality Certification #WQC004162 (Jan. 26, 2018), <https://bit.ly/3j6gW6h>.

<sup>23</sup> See Letter from Bettina Rayfield, Va. Dep’t of Env’tl. Quality, to Kimberly D. Bose, FERC, Attach. A, at 2, Dkt. Nos. CP15-554-009 et al. (Sept. 8, 2021) (eLibrary No. 20210908-5082) (“Virginia Draft Suppl. EIS Comments”).

<sup>24</sup> See Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. 1, Dkt. Nos. CP15-554-000 et al. (Aug. 18, 2021) (eLibrary No. 20210818-5052); Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. 1, Dkt. Nos. CP15-554-000 et al. (Aug. 18, 2021) (eLibrary No. 20210818-5055); Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. 1, Dkt. Nos. CP15-554-000 et al. (Aug. 18, 2021) (eLibrary No. 20210818-5061); Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. 1, Dkt. Nos. CP15-554-000 et al. (Aug. 18, 2021) (eLibrary No. 20210818-5063); Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Attach. 1, Dkt. Nos. CP15-554-000 et al. (Sept. 8, 2021) (eLibrary No. 20210908-5035).

NGO04-5

NGO04-6

NGO04-5: The crossing of waterbodies via temporary bridging and matting is necessary to efficiently and safely restore affected lands. Although some impacts on wooded vegetation would occur, these impacts are not expected to be significant. Additionally, as described in section 2.1.4.3 of the sEIS, Atlantic would install erosion and sediment control measures to reduce impacts on waterbodies and aquatic resources. The Matthews Creek Stream conservation unit is discussed in section 4.5.1.3 of the sEIS.

NGO04-6: The referenced variances are related specifically to the ongoing FERC environmental compliance oversight of the previously disturbed right-of-way. Regardless of what happens related to the Restoration Plans, FERC staff will continue to ensure areas already disturbed are stabilized and restored. This at times requires the use of the FERC variance process; such variances are reviewed and addressed by FERC environmental staff on a case by case basis.

Regarding erosion and sediment control devices, FERC’s *Plan*, which the Atlantic Coast Pipeline Project’s *ESC Plan* incorporates, requires installation and maintenance of ESC measures throughout construction. The *Plan* also provides guidance on installation of temporary slope breakers at intervals depending on slope percent. The FERC *Plan* is not prescriptive; rather, it describes the circumstances under which erosion/sediment controls are necessary. The specific locations and types of ESC controls are implemented are

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

NGO04 – Southern Environmental Law Center (cont.)

determined on a site-specific basis, and developed, reviewed, and approved by the applicable agency in the respective state or commonwealth in which the project is located (e.g., Virginia Department of Environmental Quality, West Virginia Department of Environmental Protection). Additionally, during final restoration, Atlantic would implement its *Best-in-Class Field Implementation Guide*, which includes implementation of measures in areas with steep slopes to minimize soil movement (i.e., slips) by proactively addressing water management and spoil storage on defined steep slopes (see section 4.1.1 of the sEIS).

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO04 – Southern Environmental Law Center (cont.)

Kimberly D. Bose, Secretary  
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Page 6

NGO04-6  
(cont.)

and sediment controls are not discussed in the draft supplemental EIS. FERC should update the supplemental EIS to address these incidents and should require Atlantic to upgrade its temporary and permanent erosion and sediment controls—particularly at stream crossings and on steep slopes—to prevent any future failures and to protect aquatic resources during and after restoration of ACP project areas.

NGO04-7

We also note that the Commonwealth of Virginia, in its comments on the draft supplemental EIS, has urged FERC to ensure that Atlantic takes strict measures to minimize impacts to wetlands and water quality.<sup>25</sup> In particular, in areas with karst resources, DEQ stresses that Atlantic must continue to flag karst features during its restoration work and to take measures to minimize impacts to karst, groundwater, and surface water resources.<sup>26</sup>

- 5. **The Forest Service and FERC should require Atlantic to treat non-native invasive species on national forest lands to halt their spread.**

NGO04-8

The United States Forest Service’s 2020 surveys of ACP restoration workspaces in the George Washington and Jefferson National Forest revealed that “the following non-native invasive species were found—autumn olive, mullein, Queen Anne’s lace, and thistle.”<sup>27</sup> Yet the Forest Service has recommended no treatment of such invasive species, claiming that treatment “would have potential to cause more harm to the recovery of native vegetation” and that non-natives would likely be outcompeted by native vegetation.<sup>28</sup> This recommendation makes little sense; the Forest Service’s own finding that several invasive species have sprouted up within the ACP right-of-way since the cessation of construction belies the suggestion that native vegetation will likely “outcompete” non-native invasive species.

The Forest Service and FERC should require Atlantic to treat areas on national forest lands that are infested with non-native species. Atlantic’s Invasive Plant Species Management Plan identifies hand application of herbicides as an effective means of reducing the size of invasive plant species problems,<sup>29</sup> and the Forest Service routinely treats non-native invasive species through hand application of herbicides to avoid impacts to adjacent native species. The current infestation—described by the Forest Service as “limited in occurrence”<sup>30</sup>—should be

<sup>25</sup> Virginia Draft Suppl. EIS Comments Attach. A, at 16–17.

<sup>26</sup> *Id.* Attach. A, at 6–7.

<sup>27</sup> Draft Suppl. EIS at 4-19; *see also* Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, App. I, at 10, Dkt. No. CP15-554 (Jan. 4, 2021) (eLibrary No. 20210104-5278) (“Forest Service Site Assessment”).

<sup>28</sup> Draft Suppl. EIS at 4-19.

<sup>29</sup> Letter from Matthew R. Bley, DETI, to Kimberly D. Bose, FERC, at 1–2 & Encl. (Invasive Plant Species Management Plan) at 6–7, 9–10, 11–12 & Attach. A, Dkt. Nos. CP15-554 et al. (July 12, 2018) (eLibrary No. 20180712-5138).

<sup>30</sup> Forest Service Site Assessment at 22.

NGO04-7: See responses to comments in SA01- 17, 19, 20, 30, and 37.

NGO04-8: The U.S. Forest Service provided the following response: Section 4.6.1 of the sEIS discloses the potential harm of invasive weed treatment to the recovery of native species, and the effects of treatment and non-treatment for invasive weeds on other resources are disclosed throughout chapter 4 - Environmental Impact Analysis of the sEIS. The FS’ rationale for non-treatment of invasive species is disclosed in the its *Site Assessment and Recovery Recommendations for the Atlantic Coast Pipeline*, December 2020 (*FS Site Assessment*) at pages 22-23 (appendix I of the *Atlantic Coast Pipeline Disposition and Restoration Plan*) (eLibrary Accession No. 20210104-5278.)



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO04 – Southern Environmental Law Center (cont.)

Kimberly D. Bose, Secretary  
September 13, 2021  
Page 7

NGO04-8 (cont.) { easy to target. If these invasives are not treated now, it will become increasingly difficult to halt their spread.

6. **FERC should require Atlantic and Eastern GTS to adopt more effective methods for treatment of non-native invasive species on off-forest lands.**

NGO04-9 { According to the draft supplemental EIS, if non-native invasive plant species become established in the right-of-way, Atlantic and Eastern GTS will implement measures to control them.<sup>31</sup> FERC concludes that Atlantic’s and Eastern GTS’s implementation of their Invasive Plant Species Management Plan will minimize the impact of invasive species.<sup>32</sup>

The efforts by Atlantic and Eastern GTS to control invasive plants to date have not succeeded. As the draft supplemental EIS reports, “[i]nspection reports and FERC construction compliance monitors have documented that ACP spreads in West Virginia, Virginia, and North Carolina contain a considerable amount of non-native invasive species . . . where trees were felled.”<sup>33</sup> “Non-native species . . . are present in ACP restoration workspaces in particular,” and “[d]ense vegetation, mostly invasive and non-native species like mountain olive, occurs between felled trees.”<sup>34</sup> Accordingly, FERC should require Atlantic and Eastern GTS to adopt more effective methods for treatment of invasives—or should explain in its supplemental EIS why it is reasonable to conclude that Atlantic’s and Eastern GTS’s efforts will “minimize the impact of invasive species” when to date they have not done so.

7. **FERC should hold Atlantic to its commitment to reseed the high-potential zone and dispersal zone for rusty-patched bumble bee with pollinator-friendly plant species.**

NGO04-10 { The rusty-patched bumble bee (“RPBB”) is an endangered species “so imperiled that every remaining population is important for the continued existence of the species.”<sup>35</sup> Since 2017, federal, state, and private surveyors have documented multiple occurrences of RPBB in the ACP’s proposed path along the Virginia-West Virginia border.<sup>36</sup> The draft supplemental EIS confirms that “[d]ue to the potential for this species to be encountered during restoration activities, the potential for direct mortality of one or more individuals, and the temporary loss of

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<sup>31</sup> Draft Suppl. EIS at 4-20.  
<sup>32</sup> *Id.*  
<sup>33</sup> *Id.* at 4-18.  
<sup>34</sup> *Id.* at 4-19.  
<sup>35</sup> U.S. Fish & Wildlife Serv. (“FWS”), Survey Protocols for the Rusty Patched Bumble Bee at 1 (Apr. 12, 2019), <https://bit.ly/2Ajffji>.  
<sup>36</sup> See *Rusty Patched Bumble Bee Map*, FWS, <https://bit.ly/2TJsil2> (last visited Sept. 6, 2021) (providing shapefiles documenting specimen detections); Draft Suppl. EIS at 4-40 (reporting that surveys completed by Atlantic in 2019 confirmed that RPBB were present along ACP’s route).

NGO04-9: Since January 2019, Atlantic and EGTS are only approved to perform work to stabilize disturbed workspaces under the *Interim Stabilization Plan Interim Right-of-Way and Work Area Stabilization Plans*, as indicated in section 1.0 of the sEIS, and have not been approved to conduct overall final restoration of areas impacted by construction, the latter of which would include the control of invasive species. Upon the receipt of an Order for the Restoration Projects, Atlantic and EGTS would implement the measures contained in the FERC *Plan* and the companies’ *Non-Native Invasive Plant Species Management Plan (Rev. 5)*, as stated in the sEIS.

NGO04-10: Atlantic would reseed according to its *Restoration and Rehabilitation Plan*, which requires incorporation of regionally-specific and endemic flowering plant seed into its all-grass seed mix. Project areas have revegetated significantly and would not be disturbed by grading (other than for access roads, see appendix E of the sEIS). Mowing would not be conducted in the HPZ following restoration; therefore suitable habitat would not be disturbed and would have the opportunity to naturally regenerate. Furthermore, consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species.

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foraging habitat, the ACP Restoration Project *may affect and is likely to adversely affect* the RPBB.<sup>37</sup>

Reseeding the ACP right-of-way with pollinator-friendly plant species is a simple restoration measure that could have a meaningful impact on the survival of the endangered RPBB. Throughout the ACP's planning and construction, Atlantic committed to reseed all construction right-of-way and workspace areas within the high-potential zone and dispersal zone for RPBB with pollinator-friendly plant species, including species believed to be preferred by RPBB.<sup>38</sup> The U.S. Fish and Wildlife Service ("FWS") made the use of pollinator-friendly plant species an express condition of the Biological Opinion and Incidental Take Statement for the ACP.<sup>39</sup> Now, however, Atlantic has abandoned this commitment.<sup>40</sup>

According the draft supplemental EIS, Atlantic's position appears to be that pollinator-friendly plant species would be unlikely to survive in undisturbed areas or in disturbed areas that Atlantic will allow to revert over time back to scrub-shrub or forested habitat.<sup>41</sup> FERC should ensure that Atlantic honors its prior commitment—or at least require Atlantic to use pollinator-friendly seed mixes in disturbed areas and to consider other mechanisms to improve pollinator habitat in undisturbed areas.

<sup>37</sup> Draft Suppl. EIS at 4-42 (emphasis in original).

<sup>38</sup> ACP Plan App. H (citing, *inter alia*, Letter from Richard B. Gangle, Dominion Energy, to Troy Andersen, FWS, at 1 (Sept. 15, 2017)); Letter from Angela M. Woolard, Dominion Transmission, Inc., to Kimberly D. Bose, FERC, App. D (Updated Draft Biological Assessment), at 18, 44, 232, Dkt. Nos. CP15-554 et al. (Jan. 27, 2017) (eLibrary Nos. 20170127-5202 and 20170127-5203).

<sup>39</sup> FWS, Biological Opinion and Incidental Take Statement for ACP and Supply Header Projects at 56, Dkt. Nos. CP15-554 et al. (Oct. 16, 2017) (eLibrary No. 20171103-3008); FWS, Revised Biological Opinion and Incidental Take Statement for ACP and Supply Header Projects at 82, Dkt. Nos. CP15-554 et al. (Sept. 11, 2018) (eLibrary No. 20180917-3001).

<sup>40</sup> See ACP Plan App. H (listing as "Not Proposed" Atlantic's prior commitment to "[r]e-seed all construction [right-of-way] areas (temporary and permanent) within the [high-potential zone] and the dispersal zone with pollinator friendly native seed mixes consistent with recommendations for plant restoration by [George Washington National Forest]" and to "[i]nclude species preferred by RPBB").

<sup>41</sup> Draft Suppl. EIS at 4-25.



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8. FERC should require Atlantic to implement the time-of-year restriction for rusty-patched bumble bee within the dispersal zone—not just the high-potential zone.

In response to FWS's recommendation that Atlantic certain restrict restoration activities between March 15 and October 15 to minimize harm to RPBB,<sup>42</sup> Atlantic responded that it would "implement the recommended time of year restriction (TOYR) for rusty patched bumble bee (RPBB), which restricts tree felling, mowing and shrub removal *within the High Priority Zone (HPZ)* from March 15 to October 15 to mitigate any potential adverse effects to RPBB."<sup>43</sup> The draft supplemental EIS similarly indicates that the time-of-year-restriction for RPBB applies only "[w]ithin the RPBB High Potential Zone (HPZ)"<sup>44</sup>—and not within the area surrounding the high-potential zone, known as the dispersal zone.<sup>45</sup>

As we commented in our April 16, 2021 letter,<sup>46</sup> FWS designated the high-potential zone for RPBB in September 2018, now a full three years ago.<sup>47</sup> It is possible that RPBB have moved outside the high-potential zone and into the dispersal zone since that time. Given the imperiled status of the species, the time-of-year restriction should apply within *both* the high-potential zone and the dispersal zone for RPBB.

<sup>42</sup> Email from Cindy Schulz, FWS, to Julia Yuan, FERC, et al., Attach., at 1, Dkt. Nos. CP15-554 et al. (Feb. 22, 2021) (eLibrary No. 20210311-5061) ("Recommend March 15 – Oct. 15 [time-of-year restriction] for RPBB").

<sup>43</sup> Letter from Sharon L. Burr, Atlantic, to Kimberly D. Bose, FERC, Question No. 48.03, Dkt. No. CP15-554 (Apr. 7, 2021) (eLibrary No. 20210407-5244) (emphasis added).

<sup>44</sup> Draft Suppl. EIS at 4-27 tbl. 4.7.2-1.

<sup>45</sup> We note that the draft supplemental EIS does not accurately describe the areas of the high-potential zone and dispersal zone for RPBB. On page 4-40, FERC refers to "83.0 acres of the ACP Restoration Project workspace within the HPZ." Draft Suppl. EIS at 4-40. But on page 4-24, FERC states that the "RPBB high potential zone (HPZ) and dispersal zones . . . make up 83 acres of the total 4,012.1 acres of the ACP restoration workspace." *Id.* at 4-24. Unless the area of the dispersal zone is zero—which it is not—then both statements cannot be accurate. FERC should correct this error in its final supplemental EIS and include accurate figures for the areas of the high-potential zone and dispersal zone for RPBB.

<sup>46</sup> April 2021 Scoping Comments at 8. FERC's draft supplemental EIS contains no response to this comment.

<sup>47</sup> See FWS, Revised Biological Opinion and Incidental Take Statement for ACP and Supply Header Projects at 23–29, Dkt. Nos. CP15-554 et al. (Sept. 11, 2018) (eLibrary No. 20180917-3001).

NGO04-11: The FWS updated the HPZ and dispersal zone in March 2021, as indicated in the applicant-prepared draft Biological Assessment filed on September 24, 2021 (eLibrary Accession No. 20210924-5037), and the updated information is incorporated in section 4.8.1.6 of the sEIS. As stated previously, FERC's consultation with the FWS under the Endangered Species Act regarding impacts and mitigation for federally listed species is ongoing.

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9. FERC should clarify that no tree-felling will be permitted during the time-of-year-restrictions for migratory birds.

The draft supplemental EIS concludes that impacts on migratory birds from restoration work would not be significant due to Atlantic and Eastern GTS's compliance with seasonal restrictions on tree-felling set forth in table 4.7.2-1.<sup>48</sup> Table 4.7.2-1 indicates that "[n]o tree felling, mowing, [or] shrub removal" may occur in Virginia from March 15 to August 31 or in Pennsylvania, West Virginia, or North Carolina from April 1 through August 31.<sup>49</sup>

In the same section of the draft supplemental EIS, however, FERC also reports that "[c]utting of standing timber and limbing of overhanging trees along access roads would take place within the [time-of-year-restriction]."<sup>50</sup> This statement suggests that at least some tree-felling—"cutting of standing timber"—would be allowed to take place. FERC should either remove this statement from the supplemental EIS or clarify (1) how "cutting of standing timber" is distinct from "tree felling," and (2) how FERC has determined that permitting "cutting of standing timber" within the time-of-year-restrictions would not have the potential to significantly impact migratory birds.

10. FERC should require Atlantic to quantify and offset freshwater-mussel impacts from tree-felling and other disturbances.

Freshwater mussels represent a highly imperiled class of organisms that are sensitive to water-quality disturbances such as sedimentation and erosion.<sup>51</sup> Sedimentation and erosion can cause mortality, inhibit reproduction, or cause sublethal effects,<sup>52</sup> as described in the biological assessment prepared for another pipeline project in the region.<sup>53</sup> Further, impacts to filter-feeding mussels deplete ecosystem services, with consequent negative impacts for downstream

<sup>48</sup> Draft Suppl. EIS at 4-26.

<sup>49</sup> *Id.* at 4-27 tbl. 4.7.2-1.

<sup>50</sup> *Id.* at 4-26.

<sup>51</sup> Siu Gin Cheung et al., *Size Effects of Suspended Particles on Gill Damage in Green-Lipped Mussel Perna Viridis*, 51 Marine Pollution Bull. 801 (2005), <https://doi.org/10.1016/j.marpolbul.2005.02.019>.

<sup>52</sup> Sean B. Buczek et al., *Effects of Turbidity, Sediment, and Polyacrylamide on Native Freshwater Mussels*, 54 JAWRA J. of Am. Water Resources Ass'n 631 (2018), <https://doi.org/10.1111/1752-1688.12639>.

<sup>53</sup> Biological Assessment for Mountain Valley Pipeline, LLC: Mountain Valley Pipeline Project § 4.1.3.1, Dkt. No. 16-10-000 (July 7, 2017) (eLibrary No. 20170707-4008), <https://bit.ly/3naUGvP>.

NGO04-12: As stated in table 4.7.2-1 of the sEIS, no tree felling, mowing, or shrub removal would occur in Virginia during the bird nesting season of March 15 – August 31, and no tree felling, mowing, or shrub removal would occur in Pennsylvania, West Virginia, and North Carolina from April 1 – August 31.

NGO04-12

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waterbodies. Specifically, mussels have the capacity to sequester suspended solids or nutrients and enhance denitrification. Mussels also serve as habitat and food source for other organisms.<sup>54</sup>

Atlantic's tree-felling and resulting erosion and sedimentation occurred in systems that are potential habitat to endangered mussels including James River spiny mussel, Atlantic pigtoe, dwarf wedgemussel, and yellow lance.<sup>55</sup> These waters are also habitat to numerous other common freshwater mussels such as *Eastern elliptio* that are considered generally ubiquitous across freshwater ecosystems. In addition, Atlantic's refusal to reroute the ACP to avoid a population of clubshell mussels in Hackers Creek, West Virginia, led to extensive damage to one of the last remaining populations of this endangered species. The draft supplemental EIS notes that Atlantic "completed multiple salvage efforts to remove and relocate the federally listed clubshell mussel from the workspace and surrounding areas," but omits any discussion of their outcome.<sup>56</sup> In fact, the relocation efforts backfired; almost every clubshell that was moved died while in captivity.<sup>57</sup> This history calls into question FERC's statement in the draft supplemental EIS that "[i]mpacts on mussels associated with prior construction were avoided and/or minimized and mitigated to the greatest extent practicable."<sup>58</sup>

The draft supplemental EIS reports that "Atlantic does not plan to conduct any additional mussel surveys or relocations as part of the disposition and restoration activities for ACP."<sup>59</sup> This would be a mistake. Given the harm that ACP construction has likely inflicted on endangered mussels—and on the Hackers Creek clubshell population in particular—FERC should ensure that Atlantic, in conjunction with FWS, quantifies and mitigates impacts to freshwater mussels through propagation and augmentation of mussel populations in impacted areas, just as other restoration plans have required.<sup>60</sup> Restored mussel assemblage would help mitigate impacts to

<sup>54</sup> Caryn C. Vaughn, *Ecosystem Services Provided by Freshwater Mussels*, 810 *Hydrobiologia* 15 (2018), <https://doi.org/10.1007/s10750-017-3139-x>.

<sup>55</sup> FWS recently designated critical habitat for the yellow lance, including watersheds in North Carolina and Virginia. See *Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Yellow Lance*, 86 Fed. Reg. 18,189 (Apr. 8, 2021).

<sup>56</sup> Draft Suppl. EIS at 4-14 to 4-15.

<sup>57</sup> FWS, Clubshell (*Pleurobema Clava*) 5-Year Review at 10 (2019), <https://bit.ly/3yWkUoa>.

<sup>58</sup> Draft Suppl. EIS at 4-15.

<sup>59</sup> *Id.*

<sup>60</sup> See, e.g., FWS et al., *Restoration Plan & Env'tl. Assessment for DuPont Waynesboro-South River/South Fork Shenandoah River/Shenandoah River Site* § 5.3.2 (Mar. 2017), <https://bit.ly/3h7wZAQ>.

NGO04-13

NGO04-13: Impacts on freshwater mussels are discussed in section 4.5.2 of the sEIS. Restoration activities would involve minimal in-stream work, including temporary bridge, mat, and/or culvert removal in some locations. Section 4.5 of the sEIS notes that there is potential for sedimentation from upland restoration activities to affect nearby waterbodies and aquatic species. However, Atlantic and EGTS have agreed to implement impact minimization measures as described in section 1.5 of the sEIS and the 2017 FEIS to protect aquatic resources. The ACP Restoration Project's impacts on the federally listed clubshell are discussed in section 4.8.1.12 of the sEIS. Section 4.5.2 of the sEIS also discusses mitigation efforts that Atlantic has implemented to mitigate impacts on freshwater mussels, including the clubshell, as part of the previous ACP Construction Project. Additional text regarding the outcome of clubshell salvage effort have been added to the sEIS in section 4.8.1. FERC's consultation with the FWS under the Endangered Species Act regarding impacts and mitigation for federally listed species is ongoing.

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vital aquatic ecosystem functions such as nutrient retention that have been caused by the ACP's construction.

11. **FERC's initial determination that restoration work is not likely to adversely affect the endangered clubshell mussel in Hackers Creek runs counter to the available evidence.**

As described above, ACP construction has already inflicted serious damage on the endangered clubshell population in Hackers Creek, where clubshell are still assumed present.<sup>61</sup> Atlantic proposes to perform restoration work along 3.4 miles of Hackers Creek, intersecting 19 of its direct tributaries.<sup>62</sup> The draft supplemental EIS acknowledges that "upland restoration activities may result in water quality impacts from increased [total suspended solids], sedimentation, and potential contaminants from accidental spills in the tributaries, as well as downstream in Hackers Creek."<sup>63</sup> These facts support the conclusion that Atlantic's restoration activities are likely to adversely affect clubshell in Hackers Creek; therefore, the draft supplemental EIS's "initial determination" that restoration work "*may affect but is not likely to adversely affect*" clubshell cannot be squared with the available evidence.<sup>64</sup> FERC must complete formal Section 7 consultation under the Endangered Species Act with respect to clubshell. Considering the harm that this population has already endured, a cautious approach is warranted here.

12. **FERC should ensure that Atlantic fulfills all prior commitments regarding treatment of historic and cultural resources affected by ACP construction.**

The draft supplemental EIS confirms that Atlantic has committed to reassemble the rock walls along the ACP route in Augusta County, Virginia, and to prepare a popular report of local history to be submitted to FERC and consulting parties within 60 days of completion of the walls' reconstruction.<sup>65</sup> In addition to these actions, it is critical that Atlantic uphold the specific commitments it made in its July 3, 2018 response<sup>66</sup> to FERC's information request, in which Atlantic detailed how it would carry out its treatment plan for historic rock walls in Augusta

<sup>61</sup> Draft Suppl. EIS at 4-49.

<sup>62</sup> *Id.*

<sup>63</sup> *Id.* at 4-50; *see also id.* ("Restoration activities and use of access roads may cause short-term incremental increases in [total suspended solids] in tributaries to Hackers Creek.")

<sup>64</sup> *Id.* (emphasis in original).

<sup>65</sup> *Id.* at 4-71; *id.* App. G tbl. G-1, at 3.

<sup>66</sup> Letter from Matthew R. Bley, DETI, to Kimberly D. Bose, FERC, Attach. (Response to Environmental Information Request Dated June 28, 2018), Dkt. Nos. CP15-554 et al. (July 3, 2018) (eLibrary No. 20180703-5160) ("Response to June 2018 Information Request").

NGO04-14: See response to comment NGO04-13.

NGO04-15: FERC will ensure that Atlantic fulfills the commitments it made in the treatment plan for restoring the Palmer rock walls and consulting with the Augusta County Historical Society. No other historic structures or archaeological sites were affected by tree felling/construction in Augusta County; therefore, no additional mitigation is necessary (as noted in appendix G of the sEIS).

NGO04-14

NGO04-15

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County, Virginia.<sup>67</sup> Among those commitments, Atlantic pledged to notify and provide access to the Augusta County Historical Society (“ACHS”) during the reconstruction of rock walls that Atlantic had dismantled and to consult with the ACHS on Atlantic’s public education measures.<sup>68</sup> It is also essential that Atlantic coordinate with the ACHS for all sites in Augusta County that are listed in, or eligible for listing in, the National Register of Historic Places, including significant Native American sites and a cemetery for enslaved people at Folly Farm.<sup>69</sup> FERC should ensure that Atlantic fulfills all of its prior commitments regarding treatment of historic and cultural resources.

**13. FERC must assess the significance of the restoration projects’ impacts on climate change.**

The draft supplemental EIS acknowledges that the restoration projects “would increase the atmospheric concentration of [greenhouse gases] . . . and would contribute to climate change.”<sup>70</sup> Yet FERC claims that it is unable either to “assess the Restoration Projects’ contribution to climate change” or to “determine significance regarding the Restoration Projects’ impacts on climate change.”<sup>71</sup> This “analysis” is inadequate under the National Environmental Policy Act (“NEPA”).

NGO04-16

In making this comment, we are not suggesting that restoration of ACP and Supply Header Project workspaces *will* have a significant impact on climate change. Nor would a determination by FERC that the restoration projects will significantly affect climate change necessarily mean that the projects should not proceed. But as for its review of any project with environmental impacts, FERC cannot simply decline to assess the significance of those impacts.

<sup>67</sup> See Letter from Angela M. Woolard, DETI, to Kimberly D. Bose, FERC, App. B (Treatment Plan for Historic Resource Potentially Eligible for the National Register of Historic Places: Rock Walls and Rock Features (007-5765)), Dkt. Nos. CP15-554 et al. (May 1, 2018) (eLibrary No. 20180502-5019).

<sup>68</sup> Response to June 2018 Information Request.

<sup>69</sup> See Programmatic Agreement for ACP and Supply Header Project § III.C, Dkt. Nos. CP15-554 et al. (eLibrary No. 20171128-3056) (requiring Atlantic to provide consulting parties with management summary of treatment implemented and draft and final reports documenting implementation of each treatment plan); *id.* § IV (requiring Atlantic to develop public education program in consultation with consulting parties and to implement program); Letter from David Swearingen, FERC, to Timothy K. Fitzgerald, Augusta County, Dkt. Nos. CP15-554 et al. (Nov. 28, 2017) (eLibrary No. 20171128-3055) (designating Augusta County as consulting party).

<sup>70</sup> Draft Suppl. EIS at 4-83.

<sup>71</sup> *Id.*

NGO04-16: As stated in section 4.15 of the sEIS, the Commission staff have not been able to find an established threshold for determining a project’s significance when compared to established GHG reduction targets at the state or federal level. Additional text indicating that should the Commission or other federal agency such as the EPA or Council on Environmental Quality establish a threshold for determining whether a project’s impact on climate change will be significant and considered in Commission staff’s environmental analysis has been added to section 4.15.

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Indeed, the Commission itself now recognizes that it is both required to assess, and fully capable of assessing, the significance of a project's impacts on climate change.<sup>72</sup>

It makes no difference that FERC has not identified "an established threshold for determining significance when compared to established [greenhouse gas] reduction targets at the state or federal level."<sup>73</sup> Failing to assess significance because no "established threshold" exists would circumvent NEPA's requirement that agencies discuss "direct effects and their significance,"<sup>74</sup> and ignores the factors provided for agencies to consider in assessing whether a project's impacts are significant.<sup>75</sup> In fact, in this draft supplemental EIS, FERC repeatedly makes determinations as to significance despite the absence of an established numerical limit.<sup>76</sup>

The D.C. Circuit's recent decision in *Vecinos para el Bienestar de la Comunidad Costera v. FERC*<sup>77</sup> further compels FERC to revisit its decision not to assess the significance of climate change impacts in its NEPA analysis. The court in *Vecinos* remanded FERC's certificate orders authorizing the construction and operation of three liquefied natural gas terminals and a gas pipeline based in part on an analysis of climate change impacts in FERC's EISs for those projects that was strikingly similar to FERC's analysis here. In the *Vecinos* EISs, just as in the draft supplemental EIS for the restoration projects at issue here, FERC quantified the greenhouse gas emissions associated with the construction and operation of the projects, described existing and potential climate change impacts in the project areas, and explained that construction and operation of the projects would increase the atmospheric concentration of greenhouse gases and contribute incrementally to future climate change impacts.<sup>78</sup> Yet in both cases, that is where FERC's analysis ended.

<sup>72</sup> See *N. Nat. Gas Co.*, 174 FERC ¶ 61,189, at ¶¶ 29–36 (2021); see *id.* at ¶ 32 ("We find that there is nothing about [greenhouse gas] emissions or their resulting contribution to climate change that prevents us from making that same type of significance determination.")

<sup>73</sup> Draft Suppl. EIS at 4-83.

<sup>74</sup> 40 C.F.R. § 1502.16 (2019) (emphasis added). The Council on Environmental Quality revised its regulations for NEPA implementation in July 2020, but as FERC correctly notes, the 2020 NEPA regulations authorize FERC to prepare its supplemental EIS using the preexisting NEPA regulations because the NEPA review of these projects began prior to the September 14, 2020 effective date of the 2020 regulations. See Draft Suppl. EIS at 1-6 n.19; 40 C.F.R. § 1506.13 (2020) (providing that new regulations "apply to any NEPA process begun after September 14, 2020").

<sup>75</sup> 40 C.F.R. § 1508.27 (2019).

<sup>76</sup> See, e.g., Draft Suppl. EIS at 4-6 (soils), 4-8 (groundwater), 4-9 (surface waters), 4-10 (wetlands), 4-22 (vegetation), 4-24 (fire danger), 4-25 (wildlife), 4-26 (migratory birds), 4-60 (state-protected species), 4-75 (noise).

<sup>77</sup> 6 F.4th 1321 (D.C. Cir. 2021).

<sup>78</sup> *Id.* at 1328; Draft Suppl. EIS at 4-79 to 4-81.

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In the *Vecinos* EISs, FERC “concluded that it was ‘unable to determine the significance of the Project’s contribution to climate change’<sup>79</sup>; here, FERC stated that it was “unable to assess the Restoration Projects’ contribution to climate change.”<sup>80</sup> In *Vecinos*, FERC “explained that that ‘there is no universally accepted methodology to attribute discrete, quantifiable, physical effects on the environment to [the] Project’s incremental contribution to [greenhouse gas emissions],’ and that therefore ‘it is not currently possible to determine localized or regional impacts from [greenhouse gas] emissions from the Project.’”<sup>81</sup> Here, FERC explained that it “has not identified a methodology to attribute discrete, quantifiable, physical effects on the environment to a project’s incremental contribution to [greenhouse gas emissions],”<sup>82</sup> and that FERC “could not determine specific localized or regional physical impacts from [greenhouse gas] emissions from the Restoration Projects.”<sup>83</sup>

Faced with this nearly identical analysis in *Vecinos*, the D.C. Circuit found that FERC had failed to comply with the NEPA regulation, 40 C.F.R. § 1502.21(c), that provides that “[i]f . . . information relevant to reasonably foreseeable significant adverse impacts cannot be obtained . . . because the means to obtain it are not known, the agency shall include within the environmental impact statement . . . [t]he agency’s evaluation of such impacts based upon theoretical approaches or research methods generally accepted in the scientific community.”<sup>84</sup> Specifically, the court found, FERC was required to use the social cost of carbon protocol or some other generally accepted methodology to evaluate the impact of each project’s contribution to climate change.<sup>85</sup> FERC’s failure to do so rendered its analysis of the projects’ greenhouse gas emissions deficient in that case. So too here; in preparing the supplemental EIS, FERC must actually evaluate the significance of the restoration projects’ impacts on climate change.

#### CONCLUSION

The environmental harm caused by partial construction of the ACP and Supply Header Project has proven entirely unnecessary now that the projects have been cancelled. This makes it even more critical for FERC to ensure that Atlantic and Eastern GTS fully restore the land and resources they disturbed and respect the landowners who have borne the greatest burden of these now-abandoned projects. We urge FERC to revise its draft supplemental EIS as described in

<sup>79</sup> *Vecinos*, 6 F.4th at 1328.

<sup>80</sup> Draft Suppl. EIS at 4-83.

<sup>81</sup> *Vecinos*, 6 F.4th at 1328.

<sup>82</sup> Draft Suppl. EIS at 4-81.

<sup>83</sup> *Id.* at 4-82.

<sup>84</sup> *Vecinos*, 6 F.4th at 1329 (emphasis added); see 40 C.F.R. § 1502.21(c) (2020). The court noted that the relevant regulation had been codified at 40 C.F.R. § 1502.22(b) at the time FERC completed its EISs. *Vecinos*, 6 F.4th at 1328.

<sup>85</sup> *Vecinos*, 6 F.4th at 1329.

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these comments and to incorporate our comments into the Commission's order resolving this certificate amendment proceeding.

Sincerely,

/s/ Gregory Buppert  
Gregory Buppert  
Mark Sabath  
SOUTHERN ENVIRONMENTAL LAW CENTER

*On behalf of Alliance for the Shenandoah Valley,  
Cowpasture River Preservation Association,  
Friends of Buckingham, Friends of Nelson,  
Highlanders for Responsible Development,  
Piedmont Environmental Council, Shenandoah  
Valley Battlefields Foundation, Virginia  
Wilderness Committee, Sound Rivers, Inc., and  
Winyah Rivers Foundation*

/s/ Benjamin A. Lockett  
Benjamin A. Lockett  
APPALACHIAN MOUNTAIN ADVOCATES

*On behalf of Appalachian Voices, Chesapeake  
Climate Action Network, Sierra Club, and Wild  
Virginia, Inc.*

/s/ Jon A. Mueller  
Jon A. Mueller  
CHESAPEAKE BAY FOUNDATION, INC.

*On behalf of Chesapeake Bay Foundation, Inc.*

cc (via email):

Nadine Siak (nadine.siak@usda.gov)  
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U.S. Fish and Wildlife Service



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO04 – Southern Environmental Law Center (cont.)

**CERTIFICATE OF SERVICE**

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding.

Dated: September 13, 2021

/s/ Gregory Buppert \_\_\_\_\_  
Gregory Buppert  
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## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO05 – West Virginia Rivers Coalition



September 13, 2021

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First St. NE  
Washington, DC 20426

Re: CP 15-554-009

Secretary Bose:

West Virginia Rivers Coalition, on behalf of our members, respectfully submit the following comments to the Federal Energy Regulatory Commission (FERC) on the ACP Coast Pipeline's (ACP) Supplemental Environmental Impact Statement (SEIS).

NGO05-1

1. The SEIS states, "any requests for Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this supplemental EIS". FERC issued the Certificate of Need and Necessity which allowed ACP to take easements through eminent domain. If the act of relinquishing easements does not fall under FERC's authority that what agency is responsible. FERC must provide guidance to landowners on their legal options for getting their land back. Additionally, FERC must require ACP to reimburse landowners for all legal fees related to the easements.

NGO05-2

2. The SEIS allows ACP to engage in new tree-felling. However, no tree-felling totals were provided in the SEIS. Table F-1 includes the acreage of tree-felling required for each tract in the restoration workspace areas. The SEIS states that the tree-felling would be "minimal". According to Table F-1, approximately 62.77 additional acres of trees will be felled during restoration. Sixty-two additional acres of tree-removal is not "minimal".

NGO05-3

3. The SEIS stated that 69 clubshell mussels were salvaged as a result of construction. The fate of those mussels; however, was not discussed. ACP's project decimated the clubshell mussel population in Hackers Creek. FERC must require ACP to restore the clubshell mussel population in Hackers Creek to help mitigate detrimental impacts to the species caused by the ACP's construction.

*Conserving and Restoring West Virginia's Exceptional Rivers and Streams*

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NGO05-1: As previously stated, contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO05-2: Comment noted. With the implementation of our recommendation in section 3.1.3.2 of the sEIS, the removal of trees would be significantly minimized.

NGO05-3: The ACP Restoration Project's impacts on the federally listed clubshell are discussed in section 4.8.1.12 of the sEIS. Additional text regarding the outcome of clubshell salvage effort have been added to the sEIS, in section 4.8.1. FERC's consultation with the FWS regarding the ACP Restoration Project's impacts and mitigation for federally listed species is ongoing.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO05 – West Virginia Rivers Coalition (cont.)

NGO05-4

In conclusion, the SEIS is not sufficient in addressing restoration of ACP. FERC must hold ACP accountable for the impacts that have occurred as a result of their ill-conceived project. Affected landowners, aquatic species and forest ecosystems are paying the price from their irresponsible acts to push the project forward without the necessary authorizations. FERC must require ACP to fully restore the land and resources disturbed by their abandoned project.

Signed,

Angie Rosser  
Executive Director  
West Virginia Rivers Coalition

NGO05-4: The 2017 FEIS represented a comprehensive review and environmental analysis of existing conditions and the potential impacts of construction and operation of the ACP Project on numerous physical, cultural, and socioeconomic resources. The sEIS tiers off that analysis, provides additional information on existing conditions, as needed, includes analysis on restoration of project workspaces, and also includes alternatives to the proposed action for the ACP Restoration Project. Our analysis of the ACP and SHP Restoration Projects are based on information provided by the applicants, ongoing field investigations through FERC’s 3<sup>rd</sup> Party Compliance Monitoring Program, public scoping, literature research, contacts with or comments received from federal, state, and local agencies, and comments from the public. The FWS and the FS participated as cooperating agencies in preparation of the sEIS.

The sEIS considered all direct, indirect, and cumulative impacts associated with the ACP and SHP Restoration Projects, consistent with NEPA, and concludes that although the projects would result in some adverse but mainly temporary environmental impacts, if restoration activities are conducted in accordance with applicable laws, the successful implementation of applicable measures identified in the 2017 FEIS and sEIS, and the Commission’s regulations.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners

UNITED STATES OF AMERICA  
FEDERAL ENERGY REGULATORY COMMISSION

Atlantic Coast Pipeline, LLC  
Eastern Gas Transmission and Storage, Inc.  
Docket Nos. CP15-555-007 & CP15-554-009

**THE NISKANEN CENTER,  
LORA BAUM, VICTOR BAUM, DEMIAN JACKSON, BRIDGET K. HAMRE, LOUIS  
RAVINA, YVETTE RAVINA, CAROLYN FISCHER, MELISSA BARR, WILLIAM  
BARR, WISTERIA JOHNSON, DAWN AVERITT, RICHARD AVERITT III,  
MCLAURIN COMPANY, INC., DONOVAN MCLAURIN, DARLENE SPEARS,  
HERSHEL SPEARS, HORIZONS VILLAGE PROPERTY OWNERS ASSOCIATION,  
INC., AND FRIENDS OF NELSON**

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MOTION TO INTERVENE AND COMMENTS ON THE  
DRAFT SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT  
FOR THE ATLANTIC COAST PIPELINE RESTORATION PROJECT AND  
SUPPLY HEADER RESTORATION PROJECT

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Submitted by:

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**Note to reader:** this filing contains more than 90 pages of exhibits that due to file size were not copied into this appendix. The correspondence and all attachments can be viewed at FERC’s eLibrary link, search by “Accession” and entering “20210913-5226” in the “Enter Accession Number” field.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-1: See response to comment NGO02-1.

**I. Introduction**

Intervenors the Niskanen Center and affected landowners and landowner advocacy organizations Lora Baum, Victor Baum, Demian Jackson, Bridget K. Hamre, Louis Ravina, Yvette Ravina, Carolyn Fischer, Melissa Barr, William Barr, Wisteria Johnson, Dawn Averitt, Richard Averitt III, McLaurin Company, Inc., Donovan McLaurin, Darlene Spears, Hershel Spears, Horizons Village Property Owners Association, Inc., and Friends of Nelson (collectively, "Landowners"), respond to the Federal Energy Regulatory Commission's ("FERC") Draft Supplemental Environmental Impact Statement for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project ("SEIS") (July 23, 2021, Accession No. 20210723-3006).

As discussed further below, the SEIS fails to fully consider a number of issues relating to easements, land use, and land restoration.

To begin with, the SEIS flatly refuses to address issues concerning release of easements or easement conditions: "Contractual issues regarding easement agreements are not environmental issues and therefore are outside the scope of the supplemental EIS" (SEIS, ES-1) even though FERC admits, for example, that "Long-term impacts would be experienced on any parcels where Atlantic or EGTS maintain permanent easement rights." *Id.*, 4-67. While "contractual issues" concerning those easements may not seem to be an environmental issue, FERC turns a blind eye to it and nowhere discusses *how those "long term impacts" on thousands of tracts of land would be materially different if that land was returned to the property owners*, which most certainly is an environmental issue. FERC has utterly failed to consider the environmental and land use impacts of alternatives where FERC has: (1) required ACP to immediately surrender temporary easements on all property where there has been no tree-cutting

NGO06-1

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-1  
(cont.)

or land-disturbing activities (“Undamaged Property”), and thus no justification for ACP to be using those easements for *any* purpose except to continue its campaign of harassing landowners; (2) imposed a date certain on restoration and then surrendering temporary easements on property that has had tree cutting or other land-disturbing activities (“Damaged Property”); (3) releasing landowners from all use restrictions on all permanent easements; and (4) surrendering those permanent easements to the property owners.

NGO06-2

The SEIS also fails to consider the impact of ACP’s ability to freely transfer those easements to third parties, often with no requirement to notify landowners, and fails to consider the impacts its actions will have on abandonment provisions in those easements. FERC should use its authority to condition its approval of ACP’s amendment request on ACP treating the date it decided that it was giving up on the project (or, at the latest, on July 5, 2020, when it made its public announcement of this decision) as triggering the clock on all easement abandonment provisions.

To the extent FERC has refused to consider any of these alternatives because it does not believe it has the authority to condition its approval of ACP’s requested certificate amendment on any or all of these actions, it has failed to say so and, in any event, it is wrong.

NGO06-3

In addition to these failings, the SEIS failed to consider landowner-by-landowner desires for land restoration issues, and FERC should require ACP to conduct a landowner-by-landowner survey for not only what each landowner wants done with felled trees or already laid pipeline, but also for how final restoration, including grading and planting, should be conducted.

NGO06-4

The SEIS also failed to acknowledge that it bases its consideration of *all* restoration work on Damaged Property on the 2013 restoration plans that were written on the assumption that there would be a 150’-wide clear-cut corridor and functioning pipeline running through each

NGO06-2: Contractual issues regarding the disposition of easements are not an environmental issue and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO06-3: As described in the 2017 FEIS and the sEIS, the Commission requires the restoration of affected lands. The Commission’s environmental staff monitors and regulates environmental compliance. Landowner-specific issues fall under the purview of easement agreements.

NGO06-4: The analyses contained within the sEIS are based on our review of Atlantic’s and EGT’s filings of the *Disposition and Restoration Plan* and *Supply Header Project Restoration Plan* dated January 4, 2021 and November 20, 2020, respectively. Our independent review of these proposals considered impact reduction and mitigation measures proposed by Atlantic and EGTS. Based on our experience, our review of other similar projects, and comments provided about the restoration plans, we also considered other mitigation measures and alternatives including replanting of trees and removal of installed pipe. As appropriate, we are including recommendations in the sEIS that we have determined would further avoid, reduce, and/or mitigate impacts on the environment.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-4  
(cont.)

piece of property. As a result, the SEIS does not consider any additional mitigation that is now possible in the absence of the pipeline.

NGO06-5

Lastly, the SEIS fails to acknowledge the need for a robust landowner notification system, and ignores the fact that easements granted under threat of eminent domain are inherently coercive, and thus landowners who have granted such easements have not been fairly compensated for those easements.

Niskanen

Niskanen Center, Inc. (“Niskanen”) is a Washington D.C.-based non-profit think-tank and advocacy organization with a strong interest in securing Americans’ rights to their property. It is a fundamental matter of justice that government should forcibly take private property only as a measure of last resort, when truly for public use, and must compensate the property owners sufficient to render them indifferent to the taking.

Landowners

**1. Lora Baum and Victor Baum**

Lora and Victor Baum own a beautiful 31.5-acre property in Warm Springs, Bath County, Virginia. On their land, they own a log cabin that was originally constructed around 1900 and that was reconstructed in 2006. This cabin, along with a recently built stone patio, was specifically placed to take advantage of the magnificent view of meadows, valleys, and the mountains. *See* Niskanen’s Comment (Accession No. 20210416-5358), Exhibit 1A, Baum Photos of Patio View. During the warmer months of the year, the patio is where the Baums enjoy their meals so that they can savor the majestic views. This home was bought for their retirement, and much of their retirement savings are invested in it.

NGO06-5: Section 4.8.2 of the 2017 FEIS identifies that property owners would be compensated for the loss of use of their property due to the easements in accordance with the laws of the State of West Virginia and North Carolina or the Commonwealths of Pennsylvania and Virginia. While many commenters have questioned whether the compensation received fairly mitigates for the loss of use and enjoyment of their property due to the pipeline easement, this is for the appropriate state-level courts to decide.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

The Baums first heard that ACP was considering routing the pipeline through their county and property in early 2016. They submitted comments to FERC on March 12, 2016, July 19, 2016, and February 12, 2017, in which they opposed the pipeline's route. Accession Nos. 20160314-5001, 20160719-5086, and 20170213-5015. They continued to oppose the pipeline throughout the project. *See, e.g.*, Accession No. 20180327-0012. Now ACP has an easement that runs within 100 yards of their house and straight through the meadow that their beloved patio overlooks, devaluing their property significantly, and undermining the very peace and serenity that they sought for retirement. *See* Niskanen's Comment, Exhibit 1B, Photos of Easement Route Through Baum Land. ACP's easement and work space collectively amount to more than five acres of their land. The easement consists of a permanent easement and a temporary work easement. Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 2.

#### **2. Demian Jackson and Bridget K. Hamre**

Demian Jackson and Bridget K. Hamre live with their young family on their 105-acre property in Shipman, Virginia. They manage about five acres of a personal farm that contains fruit trees and a large vegetable garden. Jackson built the house himself. Niskanen's Comment, Exhibit 2B, Photos of Jackson/Hamre Land That Easement Would Destroy.

Originally, ACP planned for the pipeline to run right through Jackson and Hamre's house and farm, *right through their child's bedroom*, which obviously would have destroyed the life that their family had built. Niskanen's Comment, Exhibit 2A, Photos of Easement Route Through Jackson/Hamre Land. They spent a substantial amount of time fighting this route and eventually were able to get the easement moved to the middle of their property. *See* Accession Nos. 20160928-5192 and 20161222-5098. Jackson and Hamre had dreamed of cultivating and building on this land and then building homes and passing it down to their three children.



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Unfortunately, the easement cuts through one of the nicest building sites on the land and covers more than ten and a half acres of the Jackson/Hamre property. Niskanen's Comment, Exhibit 2A, Photos of Easement Route Through Jackson/Hamre Land. Not only did ACP nearly destroy their home, it now also threatens to destroy their dream of building beautiful homes for their children, all for a pipeline that will never be built. ACP's easement consists of a permanent easement, a temporary work easement, and a temporary workspace, more than 10 and a half acres of the Jackson/Hamre property. Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 2, 4.

#### 3. Louis Ravina and Yvette Ravina

The Ravinas' land is located just outside Churchville in Augusta County, Virginia. With about 160 acres, the Ravinas both live and work on their picturesque farm. Niskanen's Comment, Exhibit 3A, Photos of Ravina Farm and Land. As Louis is an engineer, Louis and Yvette built and expanded their home themselves and have been living there for about 30 years. To further beautify and protect the land, they partnered with the Virginia Department of Forestry and planted about nine thousand white pines as part of erosion protection for the Chesapeake Bay. They currently rent out part of their farm for cattle grazing to a local farmer, and they also maintain a large vegetable garden for personal use. The Ravinas are proud of their land and are passionate about the farming for which they use it.

When they first heard of the ACP pipeline, the Ravinas were distraught, and actively opposed the project. Niskanen's Comment, Exhibit 3C, Ravina Objections and Comments to Water Quality Certification (Aug. 15, 2017). ACP began a condemnation proceeding against the Ravinas in July 2018. They agreed to mediation in early 2019 to avoid the stress of a trial, and they reached a settlement with ACP after an exhausting day on March 28, 2019. *See* Niskanen's

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Comment, Exhibit 3D, Ravina Easement Agreement. ACP's pipeline easement spans about 125 feet and cuts through hay fields and tree lines in the middle of their property. Niskanen's Comment, Exhibit 3B, Photo of Easement Route on Ravina Land.

In addition to building a pipeline on their land, ACP planned to build a 250' diameter, 12.5' water depth, open top tank that would have held about 2.5 million gallons of water for pipeline testing, which would have been viewable from the Ravinas' home window. *See* Niskanen's Comment, Exhibit 3C, Ravina Objections and Comments to Water Quality Certification (Aug. 15, 2017). During negotiations, the Ravinas fought hard against building the tank on their property. Eventually, ACP agreed to refrain from building the open tank but still insisted on keeping the 300' x 300' easement it planned to use for this purpose. In addition to this square easement, ACP's easement collectively covers around 14 acres of their property. ACP's easement consists of a permanent easement, a temporary work easement, and a temporary workspace. Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 2, 6. The Ravinas had originally wanted to sell the front part of their property, but the easements are a severe hinderance to this plan.

ACP used intimidation tactics to quickly obtain access to the land for their own advantage. Prior to the Ravinas signing an easement, ACP sent the sheriff to their home at 8:30pm one evening. Once at the home, the sheriff, at ACP's behest, demanded that the Ravinas allow ACP on their land the next day to conduct extensive surveys to prepare pipeline plans for their land. ACP continued to intimidate the Ravinas during easement negotiations, when ACP sent three attorneys to negotiate on their behalf with this older couple in an effort to make them feel under threat. They were allotted one day for negotiations and were told that if they did not

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

sign by a certain time the next morning, then the deal was off. The Ravinas were only given one night to review the easement before signing.

#### 4. Carolyn Fischer

Carolyn Fischer's home is located in the Horizons Village community, a neighborhood that has legally binding covenants to protect and conserve the area's environment. See the Horizons Village in Nelson County, Virginia website at <https://horizonsvillage.org/>. Fischer has lived on the land for over 12 years and her home sits on eight and a half acres where she cultivates gardens, harvests the dead wood, and maintains pot-bellied pigs, dogs, and cats. Before ACP obtained its easement, Fischer had planned to build a cottage on her property for rental income. However, once ACP came, she had to put that project on hold since the investment would have been substantial and ACP's presence put the property in limbo. The ACP easement now crosses Fischer's steep and minimally developed driveway in front of her property. The easement impedes Fischer's ability to upgrade the driveway. At 70, Fischer is still maintaining and working her land and would eventually like to retire and sell her land, however, ACP's easement now greatly diminishes its value.

ACP's easement consists of a permanent easement and a temporary work easement. Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 2. The easement covers about 1 acre of Fischer's eight and a half acres property. Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 4. Notably, Fischer's easement agreement does not contain an abandonment clause. The easement tarnishes the status of Fischer's land and limits how she might be able to plan to use her land for the future.

#### 5. Melissa Barr and William Barr

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Melissa and William Barr purchased 8.28 acres of land in Nellysford, Virginia in February 2014. Located at the end of a cul-de-sac on a picturesque lot, the Barrs' land includes gorgeous mountain views, seasonal creeks, wetlands, and habitats for threatened species. Spruce Creek runs along one part of the lot, providing the land with fresh water from the mountains of Wintergreen. With Melissa's parents living less than a quarter mile away, the Barrs dreamed of building a home for their family and using the land to raise chickens and bees and to cultivate a large vegetable garden. Their plan was that once William retired from the United States Marine Corps, they would build their home and live on the land for the rest of their lives, offering a haven and some peace from the chaotic lives they lived as a military family.

Unfortunately, within six months of purchasing their land, the Barrs found out that ACP intended to build a pipeline through their property. ACP's communication with the Barrs was lacking; the Barrs would not hear from ACP for extended periods of time for a half year or more. When it came time to conduct a survey on the property or discuss terms of settlement, ACP seemed very rushed to receive approvals or responses from the Barrs. The Barrs did not receive any regular updates on construction until approximately three years into the process, when they were finally assigned a construction liaison. On June 2, 2015, ACP filed a suit against the Barrs to enter their property to survey the land. Niskanen's Comment, Exhibit 5B, Barr Nelson County Case. ACP did enter the property to do a cultural survey where they conducted digging to assess the land and planted flags.

ACP's activities caused great frustration and uncertainty for the Barrs. For seven months in 2017, William Barr was deployed in the Horn of Africa. During that time, William had limited access to internet and was unable to get timely notice of ACP's activities. He often felt helpless

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

and distracted – ACP was interfering with his land and his family’s future while he was sacrificing and serving his country.

On October, 12, 2018, ACP filed a suit to condemn the Barrs’ land for the pipeline. *See* Niskanen’s Comment, Exhibit 5A, Barr District Court Case. ACP did not immediately serve the Barrs with notice of the condemnation. They found out about the suit more than two months later, when Melissa’s mother, an attorney, happened to be searching the docket and noticed the filing. Prior to ACP filing, ACP had not reached out to negotiate easement terms.

The easement crosses the front part of their property, right in front of the site where their home is to be built. Niskanen’s Comment, Exhibit 5C, Photos of Barr Land. The Barrs will have to build around the easement, as the easement encroaches on their building plans. *See* Accession No. 20210305-5258. To bring in construction materials and equipment, they would have to cross the easement, which currently is not permitted according to the easement terms. ACP’s easement consists of a permanent easement and a temporary work easement. Niskanen’s Comment, Exhibit 5D, Barr Easement Agreement, p. 2.

#### **6. Wisteria Johnson**

Wisteria Johnson lives on the land she co-owns with her sister in Shipman, VA. Spanning over 500 acres, the land has been with Johnson’s family for over seven generations. Descendants of Native American tribes and of people who were slaves, Johnson and her family view the land as part of their heritage and the story of their family. *See* Michael Martz, *Alternative pipeline routes create new heartaches in Nelson County*, Richmond Times Dispatch (Mar. 15, 2015), [https://richmond.com/news/virginia/alternative-pipeline-routes-create-new-heartaches-in-nelson-county/article\\_24227ab1-308a-5402-bd5d-9dc1995b537a.html](https://richmond.com/news/virginia/alternative-pipeline-routes-create-new-heartaches-in-nelson-county/article_24227ab1-308a-5402-bd5d-9dc1995b537a.html). Beyond being their home, the family uses the land to raise black angus cattle, to forest timber, and to grow hemp. With 14

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

children between Johnson and her sister, along with grandchildren, their growing family has a future staked on the land. While some want to build homes on the land, one of Johnson's sons is a counselor and dreams of building on the land a therapy and recreation center for children.

ACP first contacted Johnson around the fall of 2014. Initially, her family strove to stop the easement through protesting at community meetings and other communal events. *See* Emily Brown, *Family on pipeline route fights ACP to preserve its history*, *The News & Advance* (Jul. 19, 2017), [https://newsadvance.com/nelson\\_county\\_times/news/family-on-pipeline-route-fights-acp-to-preserve-its-history/article\\_1463165d-dad8-5f11-bdcf-7beeba63d73f.html](https://newsadvance.com/nelson_county_times/news/family-on-pipeline-route-fights-acp-to-preserve-its-history/article_1463165d-dad8-5f11-bdcf-7beeba63d73f.html). But then they found out that ACP might execute a quick take of the property and this information crushed Johnson and her family. Under the dark cloud of eminent domain, Johnson signed an easement agreement with ACP. As Johnson described it, "we were hopeless, we felt like tied prisoners led to the gallows."

ACP now has an easement on Johnson's land that includes a permanent right of way, a temporary right of way, extra work space, agricultural lands, and an access road that altogether covers about ten and a half acres. Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 5. This easement impacts the area where Johnson's daughter wanted to build her home. The easement imposes considerable restrictions on Johnson's use of her own property. Johnson's easement includes a wetland provision that requires her to cooperate with ACP to ensure that any regulated water or wetlands are properly maintained, to notify ACP any time her plans might disturb the wetlands within the easement area, and to notify ACP if she intends to obtain any permits to conduct the disturbance. Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 6.

#### 7. Dawn Averitt and Richard Averitt, III

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Richard Averitt, III, a retired Marine Corps Colonel who fought in Vietnam, and his daughter, Dawn Averitt, own about 74 acres in beautiful Nellysford, VA. Dawn built a home in the front of the property in which she lived and raised her three daughters for about 10 years. Most of the land is wooded, and the Averitts tended a garden, and love to explore their land through hiking and recreation. Niskanen's Comment, Exhibit 7A, Photo of Averitt Land. Before ACP, the Averitts planned to use this property and the surrounding properties as a family homestead, where all the cousins and extended family could live and be together. For Dawn, this land is not just a place to live, it is a legacy to leave for her daughters. Dawn suffers from a life-threatening disease and purchased this land about 20 years ago so that she could pass on stability and something of value to her daughters should she become disabled or pass away.

In 2014, Dawn put the home up for sale, with the hopes of using the proceeds to build a home for herself and another two to three homes for her daughters towards the back of the property. However, shortly after listing the home, ACP arrived with its plan to build a pipeline through the area, the market completely stalled, forcing Dawn to remove the listing. For the next six years, the house either sat empty or was rented out for half the cost of the mortgage, causing Dawn significant financial hardship.

After opposing ACP for a long time, it became clear to the Averitts that ACP would condemn the property should it not obtain an easement through negotiation. Originally, ACP had planned to build a permanent access road across the property that would have crossed Dawn's front yard and circled her house. To avoid as much harm as possible, the Averitts eventually signed the easement so that the access road would be removed and the pipeline would run behind the house but not encircle it. ACP had planned to blast the side yard and backyard of the home as it was in the incineration zone. The pipeline would have also cut through the backside of the

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

property where the future homes of Dawn and her daughters were to sit, and all the houses would have been within the blast zone or the incineration zone.

During this process, the Averitts felt as if they were a commodity. ACP sued the Averitts for access to survey their land. The pressure was relentless and ACP made it clear that it would move forward with its plans no matter what the Averitts said or wanted. The Averitts were served papers and received many documents via certified mail, which seemed to the Averitts as scare tactics by ACP. For nearly six years, they were in a constant state of fear and panic. The Averitts felt that ACP decreased the value of their home, and caused years of financial hardship, stress, and conflict.

ACP's easement covers more than 5.5 acres on the Averitts' land and unnecessarily curtails the Averitts' full use and enjoyment of their land. ACP's easement consists of a permanent easement and a temporary work easement. Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 2.

#### **8. McLaurin Company, Inc. and Donovan McLaurin**

Donovan McLaurin is the sole owner of McLaurin Company, Inc. As part of this business, Donovan owns four parcels of land in Wade, North Carolina, that all contain ACP easements that were taken by preliminary injunction under ACP's eminent domain authority. *See* Declaration of Donovan McLaurin, Exhibit 1.

Parcel 1 was purchased in 2011 and is about 37 acres. He had planned to build his home there and had spent time and resources preparing the site, which included the preparation of architectural plans, the payment and acquiring of permits, installation of electrical line, water line, and a permit box for construction. Additionally, Donovan had planned to build four other homes on the site to sell. He had planned to make it a beautiful place to live and to ensure that



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

each home had direct access to the Cape Fear River. Plans for the property were moving forward as Donovan had already received approval from the Cumberland County Joint Planning Board. However, all the plans were halted once ACP seized the land.

Donovan currently lives on Parcel 2, which is about 169 acres, and which he purchased in 1998. Originally, Donovan planned to establish a sub-division on the land. The goal was to make this a desirable place to live by creating trails and constructing horse stables so that people living there could house their horses onsite as well. Purchased in 1984, Parcel 3 is about 12 acres.

Donovan planned to use this land for recreation and as a common area for the other developments. Donovan also planned to develop homes on Parcel 4, which was also purchased in 1984, and is also about 12 acres.

On February 6, 2018, ACP filed a complaint against Donovan to condemn his land, and subsequently met with the judge, without Donovan's presence, on February 23, 2018. *See* ACP Condemnation Complaint Against McLaurin, Exhibit 2. The judge issued a Notice of Hearing for March 14, 2018, which only gave Donovan's attorney a few days to prepare for the case. Shortly thereafter, on March 16, 2018, the judge issued an order that permitted ACP to take possession of the land and begin construction. *See* Order on Preliminary Injunction, McLaurin, Exhibit 3.

On Parcel 1, ACP has a Permanent Easement of 1.08 acres and a Temporary easement of 1.93 acres, which cut through the middle of the property. *See* McLaurin Plot 1 Easement Map and Photos, Exhibit 4. On Parcel 2, ACP has a permanent easement of 3.2 acres and a temporary easement of 2.37 acres. *See* McLaurin Plot 2 Easement Map and Photos, Exhibit 5. On Parcel 3, ACP has a permanent easement of .33 acres and a temporary easement of .38 acres. *See* McLaurin Plot 3 Easement Map, Exhibit 6. On Parcel 4, ACP has a permanent easement of .64

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

acres and a temporary easement of .88 acres. *See* McLaurin Plot 4 Easement Map, Exhibit 7. In total, ACP acquired permanent easements of 5.25 acres and temporary easements of 5.56 acres. The easements cut through wetlands, streams, forests, creeks and roads and comes within a short distance of a neighborhood with many homes.

From the outset, ACP was disrespectful to Donovan and his property. The appraiser that ACP sent insisted on incorrectly listing the land as farmland to decrease its value. Donovan specifically requested that the surveyor inform him before entering the property. However, the surveyor neglected to do so and, during a review of the property, Donovan observed that the surveyor had already planted flags all throughout the property without Donovan's knowledge. Once the court granted ACP control of the land, ACP immediately seized the property and critically damaged the land. *See* McLaurin Photos of Easement and Damage, Exhibit 8. It constructed long roads of wooden planks for trucks traffic that smothered plant life and damaged the soil. ACP removed large sections of high-caliber fencing on Parcel 1. ACP bulldozed deep excavations and continued the excavation right up to a cliff that dropped to the creek. ACP razed acres of trees. These demolition activities disrupted drainage and stream patterns, destroyed trees, plants and animal habitats, and subverted streams and creeks. Beyond the destruction to the land, Donovan was no longer able to build his home or any of the other homes as he intended. In fact, all of Donovan's plans were halted given the extent and severity of the damage to the land wrought by ACP.

#### **9. Darlene Spears and Hershel Spears**

Darlene and Hershel Spears purchased their home in 2002, located in Nellysford, Virginia, as a place to retire. Their home is located on 43 acres of mostly forested land. There was one house on the land when they first purchased it, and carved out a separate lot in order to

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

build a new home. At times, they have family who come to live in the original house on the land. The Darlene and Hershel enjoy living in the remote and peaceful setting amongst the thickly wooded land, where wildlife such as deer, turkey, and bear frequent. *See* Spears Photos of Property, Exhibit 9. The yard surrounding their home features some beautiful boulders, which they treasure. Regrettably, ACP's presence altered this experience.

ACP filed a condemnation claim against the Spears. The parties were scheduled to go to trial, but when they attended other hearings before the same judge who would decide their case, the Spears saw that ACP won every time and realized that the only way to protect some aspects of their home was to reluctantly agree to an easement for less money than their neighbors received. Originally, the pipeline was slated to run through their boulders right up within 200 feet of their front door, where their well, electrical wires, and driveway are located. In fact, pipeline crossed the driveway and would have severely limited the Spears access to their own driveway. *See* Spears Photos of Easement Area, Exhibit 10. The Spears requested that ACP give 24 hours' notice before entering their property, but surveyors came without notice and often confused the Spears property with their neighbors. The entire process was extremely upsetting to the Spears – they spent over five years fighting ACP, which negatively impacted their lives.

ACP's easement consists of a permanent easement, a temporary easement, and an access road easement. Exhibit 11, Spears Easement Agreements, p. 5. The permanent easement covers 1.39 acres, the temporary easement covers 1.80 acres, and the access road easement covers 0.78 acres. *Id.*

Darlene Spears and Hershel Spears respectfully move for intervention in the above-referenced proceedings.

**10. Horizons Village Property Owners Association, Inc.**

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Horizons Village Property Owners Association, Inc. (“Horizons Village”) is a neighborhood that has legally binding covenants to protect and conserve the area’s environment. See the Horizons Village in Nelson County, Virginia website at <https://horizonsvillage.org/>. Many landowners in the Horizons Village neighborhood signed easements with ACP under the threat of condemnation.

ACP’s easement unnecessarily curtails the neighborhood’s residents full use and enjoyment of the land and completely undermines the mission and purpose of the neighborhood. ACP’s easement consists of a permanent easement and a temporary work easement that together amount to over four and a half acres, and an access road that amounts to almost three acres in addition. Niskanen’s Comment, Exhibit 8A, Horizons Village Easement Agreement, pp. 5-6. Should ACP modify the pipeline placement more than 10 feet, then a separate agreement must be executed, the recording of which would be at the expense of Horizons Village. Niskanen’s Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 8.

#### **11. Friends of Nelson**

Friends of Nelson is a non-profit organization that aims to protect the property rights, property values, rural heritage and the environment for the citizens of Nelson County, Virginia. See Friends of Nelson website at <https://friendsofnelson.com/>. Many of their members have signed easements with ACP under the threat of condemnation.

#### **II. Background**

##### The Atlantic Coast Project - The Certificate and Abandonment

On October 13, 2017, FERC issued a conditional certificate of public convenience and necessity and blanket certificate (“Certificate”) to Atlantic Coast Pipeline, LLC, Dominion Transmission, Inc., and Atlantic and Piedmont Natural Gas Company, Inc. (jointly “ACP”),

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

under NGA section 7(c) (15 U.S.C. § 717f(c)); *Atlantic Coast Pipeline, LLC*, 161 FERC ¶ 61,042 (2017). The authorized project included 604 miles of new pipeline designed to transport up to 1.5 billion cubic feet per day of natural gas, which would traverse West Virginia, Virginia, and North Carolina. *Id.* at P. 1. The Certificate required that ACP construct and place the project into service by October 13, 2020. *Id.*

Once FERC issued the Certificate, ACP had the authority to condemn any and all property in their path with no requirement to engage in good faith negotiation efforts. Not surprisingly, ACP began condemnation proceedings almost immediately, *e.g.*, filing condemnation actions in North Carolina on December 1, 2017, only six weeks after FERC issued the Certificate. Lauren Ohnesorge, *Atlantic Coast Pipeline files first eminent domain action in North Carolina*, Triangle Business Journal (Dec. 4, 2017), <https://www.bizjournals.com/triangle/news/2017/12/04/atlantic-coast-pipeline-files-first-eminent-domain.html>. ACP began some of these condemnation proceedings while in the midst of ongoing negotiations with farmers and their families. *Id.* (regarding Orpha Gene Watson, the farmer from O.J. Farms). These proceedings and negotiations produced various forms of easements, depending (largely) on whether the landowner had the time and resources to resist, what information the landowner was given or had access to, whether the landowner had an attorney, and community cohesiveness and support.

Easements obtained under threat of eminent domain are inherently coerced, and not surprisingly, as courts were rapidly awarding ACP possession on the basis of preliminary injunctions, landowners felt compelled to settle based on ACP's threats that they would take them to court and take their land that way. *See* Lewis Kendall, *The Atlantic Coast Pipeline Is a Bust, but Property Owners Along the Route Are Stuck in Limbo*, Indy Week (Feb. 24, 2021).

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

<https://indyweek.com/news/northcarolina/atlantic-coast-pipeline-feature/?fbclid=IwAR1EC4ECgupUimO4iHCNVu2ghxAYk2-2k3NrsLjPrS6aszC9sfNq2fC5s>.

On June 16, 2020, ACP requested a two-year extension of time to construct and place into service ACP and Supply Header Project (“SHP”). Accession No. 20200616-5174. On July 5, 2020, ACP announced that it was canceling the pipeline project. Accession No. 20210302-3019. After the ACP cancellation announcement, on July 10, 2020, ACP submitted a request to modify its June 16, 2020 request. Accession No. 20200710-5088. In this modified request, ACP requested: 1. a one-year extension of time to abandon and restore the pipeline project areas, and 2. a two-year extension of time to construct and put into service the SHP facilities. *Id.*

On July 17, 2020, FERC published a notice acknowledging ACP’s modified request and set a 15-day comment period to respond to the request. Accession No. 20200717-3050. On October 27, 2020, FERC issued an “Information Request” requiring ACP to submit a disposition and restoration plan within 60 days. Accession No. 20201027-3057. In response, on January 4, 2021 ACP filed its Disposition and Restoration Plan (“ACP Plan”). Accession No. 20210104-5278 (letter indicating that ACP previously filed its plan on Dec. 16, 2021 but had technical difficulties).

The ACP Plan acknowledges that it already permanently destroyed some land, including cutting 222.5 miles of trees (of which 108.4 miles of cut trees were left where they were cut) installed 31.4 miles of pipe, and another 82.7 miles of clearing and grading. *Id.* at 1. On March 2, 2021, FERC filed a Notice of Amendment of Certificates and Opening of Scoping Period to allow for comments on the ACP Plan. Accession No. 20210302-3019.

On May 07, 2021, FERC issued an Environment Information Request to ACP. Accession No. 20210507-3045. Among other items, FERC requested that ACP address its plans for the

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

permanent easements, temporary easements, workspaces, and access roads that it has acquired with FERC's authorization of the Section 7 Certificate. *Id.* at 1. ACP supplied a partial response on May 17, 2021, addressing in part FERC's questions on what ACP planned to do with the property it obtained to construct the project: in essence that it would deal with each easement on a case-by-case basis. Accession No. 20210517-5093. ACP supplied the remainder of its response to other questions from FERC on June 7, 2021. Accession No. 20210607-5185. Finally, on July 23, 2021, FERC filed the SEIS for the ACP restoration project. Accession No. 20210723-3006.

#### Restrictions on Landowner Use

If these easements remain under ACP's control, landowners will continue to live under severe restrictions on the use and enjoyment of their land. These restrictions – on what can be done to, on top of, and near the land – would also hold the threat of litigation over the landowner's heads should they ever ignore them, even now that they have become completely meaningless. On the permanent easements, Landowners may not plant or build any permanent or temporary structures or obstructions, such as sheds, trees, poles, etc.; store vehicles or construction equipment; operate heavy machinery or equipment; or remove or deposit earth.<sup>1</sup> Should Landowners wish to operate certain types of construction equipment, vehicles, and other heavy machinery, they must get discretionary approval from ACP.<sup>2</sup>

<sup>1</sup> Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 2; Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 2; Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 2; Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 2; Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 2; Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 2; Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 2; Exhibit 11, Spears Easement Agreement, p. 2 (the Averitts' and the Spears' easements state that grantors may not perform any of these activities without ACP's written consent); and Niskanen's Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 2.

<sup>2</sup> Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 6.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

Many of these easements run through functioning farmland. Some very typical farming equipment would be considered too heavy to operate over a pipeline. For example, the Ravinas use their land for farming hay bales. These hay bales when stacked on a truck can weigh in at 1,400 to 1,500 pounds. The restriction of no operation of heavy equipment over an easement that cuts through the entire property severely hinders the Ravinas ability to use their land, and all for a pipeline that will never be built. Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 2. Additionally, if landowners wanted to build a house on a certain plot of their land, they would be restricted from crossing the easement with heavy trucks and building materials. It cannot be emphasized too greatly: Given that the pipeline has been cancelled, there is absolutely no purpose to these or any other provisions restricting landowners' ability to use their own property.

#### ACP Rights on Landowners' Property

The flip side of the easements' restrictions on Landowners are ACP's rights to continue to do pretty much whatever it wants. ACP may conduct many damaging activities on Landowners' property, both on and off easement areas. ACP can clear permanent easements of all obstructions, and to clear, cut, trim and remove all vegetation, trees, and brush from both temporary work easements and permanent easements.<sup>3</sup>

<sup>3</sup> Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 2.; Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 2.; Exhibit 11, Spears Easement Agreement, p. 2.; and Niskanen's Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 2.

NGO06-6: Atlantic is bound by the *Order Issuing Certificates* for CP15-554-000; CP15-554-001; CP15-555-000; and CP15-556-000 (2017 Certificate Order) with regards to the activities that the Commission has approved and can occur with the Certificated workspaces for construction and restoration of the ACP Construction Project. We expect that any Amendment Order will further stipulate what activities Atlantic will be able to conduct in the restoration workspaces. We are unaware of what activities Atlantic could "do pretty much whatever it wants" outside of defined easement areas.

NGO06-6



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-6  
(cont.)

ACP may remove timbering materials (trees, slash, and related debris) from the permanent and temporary easements<sup>4</sup> and may chip the materials and disperse them on the easements and anywhere else on Landowners' property.<sup>5</sup> ACP may stack timbering material 6 inches or greater in diameter either on or off the easement areas. Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 5. ACP may burn debris on the easements and may decide where to place log stacks off the easement areas.<sup>6</sup> ACP may "release rain, storm, and/or other surface waters" that collect within the easement area, workspaces, and access roads and redirect the water away from these areas onto other parts of the Landowners' property.<sup>7</sup>

<sup>4</sup> Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 5; and Exhibit 11, Spears Easement Agreement, p. 6-7.

<sup>5</sup> Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 6-7; Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 6-7; Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 5-6; Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 5-6; Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 8 (Easement does not contain the word "slash"); Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 6-7; Exhibit 11, Spears Easement Agreement, p. 6-7; and Niskanen's Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 8.

<sup>6</sup> Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 6-7; Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 5 (Easement does not contain burning provision); Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 6-7; Niskanen's Comment, Exhibit 4A, Fischer Easement Agreement, p. 5-6 (Easement does not contain burning provision); Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 5-6; Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 8 (Easement does not contain burning provision); Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 6-7; Exhibit 11, Spears Easement Agreement, p. 6-7; and Niskanen's Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 8 (Easement does not contain burning provision, and log stacks must be placed adjacent to the permanent easement areas).

<sup>7</sup> Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 7; Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 7 (includes water release from rights-of-way); Niskanen's Comment, Exhibit 3D, Ravina Easement Agreement, p. 7; Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 6; Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 7; Exhibit 11, Spears Easement Agreement, p. 7; and Niskanen's Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 8 (includes water release from rights-of-way).

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-6  
(cont.)

ACP may also “enforce trespassing laws and violations” on the permanent and temporary easements.<sup>8</sup> ACP can also hold Landowners liable for “any claims which arise from the sole negligence or willful or wanton misconduct by Grantor or third parties,” (emphasis added).<sup>9</sup>

#### Abandonment Clauses

Landowners’ easements, as well as a sampling of other ACP easements from the same geographic area, generally address abandonment in one of three ways: (a) an abandonment clause that allows for a reversion of interest after four years of “complete non-use”; (b) an abandonment clause that allows for a reversion of interest after twenty years if ACP has not installed the pipeline; and (c) easements with no abandonment clause.<sup>10</sup> Even the two categories with abandonment clauses have a wide range of language and obligations. Many of the abandonment clauses only explicitly refer to the abandonment of the pipeline itself, post-

NGO06-7

construction. In any event, FERC should first condition the Certificate Amendment on ACP

<sup>8</sup> Niskanen’s Comment, Exhibit 1C, Baum Easement Agreement, p. 7; Niskanen’s Comment, Exhibit 3D, Ravina Easement Agreement, p. 7; Niskanen’s Comment, Exhibit 5D, Barr Easement Agreement, p. 6; Niskanen’s Comment, Exhibit 7B, Averitt Easement Agreement, p. 7; and Niskanen’s Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 8.

<sup>9</sup> Niskanen’s Comment, Exhibit 1C, Baum Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 2C, Jackson Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 3D, Ravina Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 4A, Fischer Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 5D, Barr Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 6A, Johnson Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 7B, Averitt Easement Agreement, p. 2; and Niskanen’s Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 2.

<sup>10</sup> There are exceptions to this general rule, *i.e.*, a provision stating that, “The Easement Agreement shall continue in force until such time as the use and operation of the facilities authorized thereunder are relinquished or abandoned subject to and in accordance with abandonment regulations and requirements mandated by the Federal Energy Regulatory Commission (FERC) at which time, the rights granted to the Grantee under the Easement Agreement shall terminate.” Niskanen’s Comment, Exhibit 8A, Horizons Village Easement Agreement, p. 10. Presumably the Commission’s decision as to the requested amendment will terminate ACP’s rights under this easement.

NGO06-7: Comments noted.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-7  
(cont.)

acknowledging that its decision to cancel the project serves as the trigger for all easement abandonment clocks.<sup>11</sup>

(a) An abandonment clause that allows for a reversion of interest four years after "complete non-use" of the pipeline.

Many easements contain provisions stating that "in the event of complete non-use of the pipeline by Grantee or its successors or assigns for a period of four (4) consecutive years, this Easement shall be considered abandoned." *See, e.g.*, Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 8. The typical four year "complete non-use" provision is:

Grantee agrees in the event of complete non-use of the pipeline by Grantee or its successors or assigns for a period of four (4) consecutive years, this Easement shall be considered abandoned. Grantee shall furnish at its expense, upon receipt of written request from Grantor, a release of the Easement. In this event, Grantee shall have the right to abandon the pipeline in place or remove the pipeline. The time during which Grantee fails to use the pipeline due to: (i) authorized acts or orders of federal or state government; (ii) strikes; or (iii) the exercise of shut-in rights under an oil and gas lease shall not be included in calculating the four (4) year period for abandonment.

NGO06-8

Niskanen's Comment, Exhibit 2C, Jackson Easement Agreement, p. 8; Niskanen's Comment, Exhibit 5D, Barr Easement Agreement, p. 6; Niskanen's Comment, Exhibit 6A, Johnson Easement Agreement, p. 7. FERC should condition the Certificate Amendment on ACP acknowledging that this clause applies even when, as here, the pipeline has not been built; it would be absurd if this clause were to apply only if the pipeline had been built and was then not operated. The alternative would be to allow ACP to claim that these easements have no abandonment provision, and thus profit by its own failure to complete the project.

A variation in the "complete non-use" provision is highlighted below:

<sup>11</sup> While ACP *announced* that it was cancelling the project on July 5, 2020, presumably the decision itself was made before that day. It is the date of the decision, not the date of announcement, that should be the legally relevant one.

NGO06-8: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

After the pipeline is approved by the Federal Regulatory Commission to begin commercial service, Grantee agrees in the event of complete non-use of the pipeline by Grantee or its successors or assigns for a period of four (4) consecutive years, this Easement shall be considered abandoned.

(emphasis added) Niskanen's Comment, Exhibit 1C, Baum Easement Agreement, p. 8-9; Exhibit 11, Spears Easement Agreement, p. 8. Since FERC will never approve commercial service for a non-existent pipeline, unless FERC conditions the Certificate Amendment on ACP acknowledging that this non-use provision was actually triggered by its decision to cancel the project, ACP will be able to argue that it will have never abandoned the pipeline.

b. An abandonment clause with reversion following ACP's failure to place pipeline on the easement.

In addition to the "non-use" provision, some easements also provide that there is a reversion of interest back to the landowner if ACP does not build the pipeline within 20 years:

Grantee agrees (1) in the event of complete non-use of the pipeline by Grantee or its successors or assigns for a period of four (4) consecutive years after the pipeline is placed into service, the easement granted by the Easement Agreement shall be considered abandoned. . . Grantor and Grantee understand, agree, and acknowledge that any such abandonment, and the rights and obligations related thereto, are specifically subject to the approval of the abandonment by the FERC; or (2) if Atlantic Coast Pipeline, LLC does not lay the pipeline on the Grantor's property within 20 years, the easement granted by the Easement Agreement shall be considered abandoned. Grantee shall furnish at its expense, upon receipt of written request from Grantor, a release of the Easement Agreement. The time during which Grantee fails to use the pipeline or to lay pipeline due to: (i) authorized acts or orders of federal or state government; (ii) strikes; or (iii) the exercise of shut-in rights under an oil and gas lease shall not be included in calculating the four-year period for abandonment, or the twenty-year period for abandonment.

(emphasis added) Niskanen's Comment, Exhibit 3D, Niskanen's Comment, Ravina Easement Agreement, p. 8; Niskanen's Comment, Exhibit 7B, Averitt Easement Agreement, p. 8. FERC should condition the Certificate Amendment on ACP's acknowledgment that the 20-year "failure

NGO06-9: As previously stated, contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO06-9

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

to lay the pipeline provision” does not apply to the situation, as here when the entire pipeline was cancelled.

#### C. Easements with no abandonment clause

There are easements that do not contain any language as to what happens with either non-use of pipeline or if ACP never installs the pipe. *See, e.g.*, Niskanen’s Comment, Exhibit 4A, Fischer Easement Agreement. ACP would continue to hold rights to this land indefinitely subject to state law provisions, restraining the landowners’ ability to use and enjoy their land for generations.

#### Temporary Work Easements

All of the easements reviewed include a temporary work easement, which allows ACP to use a wider swath of land than the permanent easements to construct and set the pipeline into operation: “[t]he Temporary Work Easement will terminate five (5) years after the commencement of construction on the Permanent Easement.”<sup>12</sup> There are some variations on the termination of the temporary work easements. A small number of these easements have a four-year termination clock instead of five. The obvious issue is that the trigger for this clock to start running will never come to pass as ACP will not be starting construction on the permanent easements on the majority of landowner properties. As such, ACP may decide to treat these temporary easements as *de facto* permanent. The Baum and Spears easements have a different triggering event, as the temporary work easement on their land “will terminate five (5) years

<sup>12</sup> Niskanen’s Comment, Exhibit 2C, Jackson Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 3D, Ravina Easement Agreement, p. 2; Niskanen’s Comment, Exhibit 4A, Fischer Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 5D, Barr Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 6A, Johnson Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 7B, Averitt Easement Agreement, p. 1; and Niskanen’s Comment, Exhibit 8A, Horizons Village Agreement, p. 2.

NGO06-10: As previously stated, contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO06-10

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-10  
(cont.)

from the date the pipeline is approved by the Federal Energy Regulatory Commission to begin commercial service,” (emphasis added). Niskanen’s Comment, Exhibit 1C, Baum Easement Agreement, p. 7; and Exhibit 11, Spears Easement Agreement, p. 8. There are no termination provisions applicable to the maintenance and upkeep rights of way, which means that ACP may claim that they are permanent. FERC should establish a clear date for termination of all temporary easements.

#### Assignment

The majority of the easements contain an introductory provision that describes that the landowner “grants and conveys, to ATLANTIC COAST PIPELINE, LLC . . . its successors and assigns . . . permanent and temporary easements . . .” *See, e.g.*, Niskanen’s Comment, Exhibit 1C, Baum Easement Agreement, p. 1. Many of the easements reviewed do not contain any provisions that limit assignment of the easements, and do not contain any requirements of notice of that assignment.<sup>13</sup>

The Johnson Easement contains a clause that specifically addresses the notice of assignment of the easement:

Grantee agrees to notify Grantor in writing if Grantee conveys all or a majority portion of its rights under this Agreement to a third party, provided, however, no such notice shall be required in the event of conveyance (a) to an affiliate, subsidiary, or parent, (b) in connection with a merger or consolidation, or (c) to a third party of all or substantially all of Grantee’s assets.

<sup>13</sup> Niskanen’s Comment, Exhibit 1C, Baum Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 3D, Ravina Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 4A, Fischer Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 5D, Barr Easement Agreement, p. 1; Niskanen’s Comment, Exhibit 7B, Averitt Easement Agreement, p. 1; Exhibit 11, Spears Easement Agreement, p. 1; and Niskanen’s Comment, Exhibit 8A, Horizons Village Agreement, p. 1.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

Niskanen’s Comment, Exhibit 6A, Johnson Easement Agreement, p. 6. Notably, this clause does not limit assignment of the easement, it only obligates notice in very narrow circumstances. The Jackson Easement only requires notice to the Jacksons if ACP “conveys all or a majority portion of its rights under this Agreement to a third party.” Niskanen’s Comment, Exhibit 2C, Jackson Easement Agreement, p. 1, 8.

Landowners with easements that do not contain any assignment clause have no right to any notice as to what entity controls the easement. The ramifications are obvious - if a landowner seeks permission to conduct some type of otherwise prohibited activity on the easement, the landowner is at a loss as to who to contact and, indeed, even when asked ACP is under no obligation to disclose to whom it transferred its easement rights. It is disconcerting for a landowner to have no knowledge of who controls access and activity on their land, and it creates confusion around the landowner’s legal right to protect their land from trespassers.

**III. THE SEIS FAILS TO ADEQUATELY EVALUATE THE ACP RESTORATION PROJECT’S ENVIRONMENTAL IMPACT.**

By granting ACP its Certificate, FERC created, and is ultimately responsible for, this situation. ACP coerced these easements from landowners under the threat of eminent domain, and each contains numerous restrictions on their use of their own property, all for absolutely no purpose. Although the project will never be built, the SEIS acknowledges that ACP not only plans to hold onto the permanent easements forever, but also retain all land-use restrictions.

And, for purposes of restoration and monitoring, ACP intends to retain all temporary easements for “3 to 5 years” (SEIS, p. 4-66), even on Undamaged Property that requires neither. Moreover, these easements either contain no abandonment provisions or, when they do, either do not explicitly pertain to a cancelled pipeline (as opposed to “pipeline non-use”) or are unclear as to precisely what happens in such a situation. Compounding the problem, the SEIS expressly relies

NGO06-11: Easement disposition issues aside (see previous comment responses), the 2017 EIS and the sEIS presented and evaluated Atlantic’s and EGTS’ proposed restoration activities, and implementation of associated plans, including our *Plan and Procedures*, for all lands disturbed by construction activities. This includes land where disturbance took place (e.g., tree felling, right-of-way grading, and/or pipeline stringing) but no pipeline was installed. Alternatives considered included leaving felled trees in place and the removal of buried pipeline segments. As described herein, all lands disturbed by ACP Construction Project activities would be restored in accordance with the *Atlantic Coast Pipeline Disposition and Restoration Plan*, our *Plan and Procedures*, and other relevant plans as discussed in section 1.5 of the sEIS, whether a pipeline was installed or not.

NGO06-11

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-11  
(cont.)

on ACP doing all restoration in compliance with plans developed more than 8 years ago and which presume the construction and operation of the pipeline; the SEIS never says a word about what additional mitigation measures are now possible in the absence of the pipeline.

FERC has failed to meet its burden of compiling sufficient information so that the public and other governmental bodies can evaluate and critique the agency's action. *Grazing Fields Farm v. Goldschmidt*, 626 F.2d 1068, 1073 (1st Cir. 1980). An EIS that fails to provide the public a meaningful opportunity to review and understand the agency's proposal, methodology, and analysis of potential environmental impacts violates NEPA. *See e.g., California ex rel. Lockyer v. U.S. Forest Serv.*, 465 F. Supp. 2d 942, 948-50 (N.D. Cal. 2006); *see also Idaho ex rel. Kempthorne v. U.S. Forest Serv.*, 142 F.Supp.2d 1248, 1261 (D. Idaho 2001) ("NEPA requires full disclosure of all relevant information before there is meaningful public debate and oversight."). Such information must be included in the draft EIS, as opposed to supplied in the final EIS following public comments because "the purpose of the final EIS is to respond to comments rather than to complete the environmental analysis (which should have been completed before the draft was released)." *Habitat Educ. Ctr. v. U.S. Forest Serv.*, 680 F. Supp. 2d 996, 1005 (E.D. Wis. 2010), *aff'd sub nom. Habitat Educ. Ctr., Inc. v. U.S. Forest Serv.*, 673 F.3d 518 (7th Cir. 2012). There is not adequate information for the public to reasonably assess and comment on the SEIS. At the very least, FERC needs to reissue a revised SEIS: "If a draft statement is so inadequate as to preclude meaningful analysis, the agency *shall* prepare and circulate a revised draft of the appropriate portion." 40 C.F.R. § 1502.9(a).

**A. The SEIS fails to consider any of the environmental or land-use issues that would arise from releasing landowners from easement restrictions, or returning temporary and permanent easements to landowners.**

1. The SEIS fails to consider the impacts of ACP needlessly retaining temporary easements on Undamaged Property.



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-12

ACP claims throughout the SEIS that it cannot release temporary easements since it needs them to complete restoration and monitor the success of that restoration. “Atlantic and EGTS have stated that the temporary construction easements would remain in place until restoration and closeout of federal, state, and local permits and post-construction monitoring periods are complete.” SEIS, p. 4-65. ACP states that 1,100 of the pipelines’ approximately 3,100 tracts (or around one-third) have had “ground disturbance or tree felling activities”, which means that two-thirds of the pipeline route have had no disturbances and do not require continued land-use restrictions and the SEIS that “approximately 2,000 tracts have had no ground disturbance or tree felling activities completed on them”. ACP’s Restoration Plan, p. 17; SEIS, p. 2-26. Nowhere does the SEIS consider that the majority of these tracts have no damage or construction activity. Since ACP can have no possible reason for keeping them, FERC should require ACP to surrender all temporary easements on Undamaged Property immediately.

2. The SEIS fails to analyze the impacts of requiring ACP to either release land-use restrictions in permanent easements or surrender them to the landowners.

ACP intends to permanently retain all 2,603 permanent easements, and the land-use restrictions they contain (SEIS 4-65), even though the pipeline will never be built. FERC states:

While we understand there appears to be no obvious cause for Atlantic to retain an easement for disconnected segments of pipe that are not flowing gas, easements between landowners and Atlantic or EGTS are legal instruments and as such, any requests for Atlantic or EGTS to relinquish easements or rights-of-way are not within the scope of this supplemental EIS.

SEIS, p. 4-66. But in the very next paragraph (*id.*) FERC concedes:

Upon completion of the restoration activities proposed by Atlantic and EGTS, all affected properties would be allowed to revert to their prior use, and there would be no change in land use from the restoration activities. There would, however, be some diminution of use on most of the affected properties as the restoration of forested areas would take many years to complete, agricultural properties may experience reduced crop yields due to changes in soil structure and drainage, and the presence of the pipeline right-of-way

NGO06-12: Tracts that have had no ground disturbing activities or tree felling activities are noted in section 2.4.1 of the sEIS. As previously stated, contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

easement (and the buried pipeline on 175 parcels) would limit certain prescribed activities within the permanent easement.

Even though (1) FERC acknowledges that permanent easements will result in, “some diminution of use on most of the affected properties as . . . agricultural properties may experience reduced crop yields due to changes in soil structure and drainage, and the presence of the pipeline right-of-way easement (and the buried pipeline on 175 parcels) would limit certain prescribed activities within the permanent easement” and (2) Landowners pointed out (Niskanen Comments, Accession No. 20210416-5358, pp. 25-29; 31-32) that FERC has the authority to condition its approval of ACP’s application on requiring ACP to either release all restrictions on landowners’ use of the easement, or surrender the easement entirely, the SEIS has completely failed to examine either alternative.

This failure violates NEPA, which requires an EIS to examine “alternatives to the proposed action,” 42 U.S.C. § 4332(C), and the alternatives analysis is critical to the entire NEPA process. FERC is required to “Evaluate reasonable alternatives to the proposed action” and “Discuss each alternative considered in detail, including the proposed action, so that reviewers may evaluate their comparative merits.” 40 CFR 1502.14(a), (b). And, “for alternatives that the agency eliminated from detailed study, briefly discuss the reasons for their elimination.”

FERC has both failed to analyze a reasonable proposal that was presented to it (as discussed below in Section III, FERC has the authority to condition its approval of ACP’s application on such conditions) and failed to provide any reason why it failed to do so. Without explaining *why*, simply saying that an alternative is “not within the scope” of the SEIS is not an explanation.

NGO06-13: The commenter-suggested authority of the Commission to release of some or all easement restrictions by the Companies is speculative, and not within the scope of this SEIS.

NGO06-13

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-14

3. The SEIS fails to analyze the impacts of ACP's actions on easement abandonment clauses, and fails to analyze the impacts of easement transfer provisions.

There other two easement problems that the SEIS fails to address. First, even though Landowners previously pointed this out, ACP may interpret the terms of the abandonment clauses in the easements as making both temporary and permanent easements perpetual despite its decision to abandon the project. Niskanen Comments, pp. 22-23. For example, as described above, almost all of the Landowners' have temporary easements on their property, and those provide that "[t]he Temporary Work Easement will terminate five (5) years after the commencement of construction on the Permanent Easement."

If FERC decides not to require immediate return of all easements on Undamaged Property, the obvious issue is that the trigger for this clock to start running will never come to pass as ACP will not be starting construction on the permanent easements on Landowners' property. ACP may then try to keep these temporary easements indefinitely. Moreover, there are no termination provisions applicable to the maintenance and upkeep rights of way, which means that ACP may claim that these are also permanent. If FERC does not condition its approval of ACP's proposed amendment on ACP immediately surrendering all temporary easements on Undamaged Property, it should condition approval on ACP agreeing that the termination provisions in those easements (and also the temporary easements on Damaged Property) were triggered as of the date on which ACP decided to cancel the pipeline (and certainly no later than ACP's July 5, 2020, announcement that it was cancelling the pipeline). These same concerns also apply to abandonment clauses' effect on permanent easements. The SEIS failed to address the impact of the ACP's actions on easement abandonment provisions, and the differing environmental impacts depending on whether FERC conditions its approval of ACP's application on ACP

NGO06-14: Contractual issues regarding the interpretation of easement agreements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NEPA requires the analysis of impacts that are reasonably foreseeable and causally connected to the proposed action. Atlantic was able to sell or sublease its easement rights before the Restoration Project was proposed and that ability is unchanged by the proposal. For these reasons, it is not causally connected to the proposed action and therefore not analyzed in the sEIS.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-14  
(cont.)

treating the date of its decision to abandon the project as the date that triggers easement abandonment clauses.

Second, even though Niskanen has raised the issue of ACP's ability to freely transfer its easement rights to third parties (Niskanen Comments, pp. 23-24) and the SEIS states (Table 1.4.1) that "potential for selling/subleasing easement rights" is discussed in section 1.4, neither that section nor any other considers the environmental impacts of this issue.

**B. The SEIS fails to perform the required environmental analysis based on ACP's project cancellation and the complete absence of a pipeline.**

The SEIS claims to address the full restoration of Damaged Property, but even when ACP is not merely leaving the land as is (with cut trees, cleared land, and installed pipeline), such claims are based entirely on restoration plans that presume that there is a 150'-wide clear-cut corridor and a pipeline operating underneath it. The SEIS structures its environmental analysis around the *Supply Header Project Restoration Plan*, filed on November 20, 2020 by EGTS, and the *Atlantic Coast Pipeline Disposition and Restoration Plan*, filed by ACP on January 4, 2021 (referred to in the SEIS as the "Restoration Plans"; ES-1). In fact, the SEIS states that its purpose aims to "identify and assess the potential impacts on the natural and human environment that would result from the proposed Restoration Projects through implementation of the Restoration Plans." *Id.* In turn, the *Atlantic Coast Pipeline Disposition and Restoration Plan* (p. 4) states that ACP:

will comply with all the terms and conditions set forth in its existing and planned state and federal permits (see Appendix D) through the termination of those approvals. Additionally, Atlantic will comply with the maintenance provisions and timelines in the *Upland Erosion Control, Revegetation & Maintenance Plan* and *Wetland and Waterbody Construction and Mitigation Procedures* ("Plans and Procedures") which extend to approximately 3 years following construction. The *Plans and Procedures* require two years of monitoring and maintenance in upland areas following construction and a minimum of three years of monitoring in wetland areas following construction.

NGO06-15

NGO06-15: Our Plan and Procedures are designed to identify baseline mitigation measures for minimizing erosion and enhancing revegetation and minimizing the extent and duration of project-related disturbance on wetlands and waterbodies, respectively. While the Plan and Procedures do not specifically address a situation where there is a right-of-way with no pipeline, it does provide applicable oversight for a disturbed right-of-way, nonetheless.

The analyses contained within the sEIS are based on our review of Atlantic's and EGT's filings of its *Atlantic Coast Pipeline Disposition and Restoration Plan* and *Supply Header Project Restoration Plan* dated January 4, 2021 and November 20, 2020, respectively. Our independent review of these proposals to restore the disturbed right-of way of a non-built project considered impact reduction and mitigation measures proposed by Atlantic and EGTS. Based on our experience, our review of other similar projects, and comments provided about the restoration plans, we also considered other mitigation measures and alternatives including replanting trees and removal of installed pipe. As appropriate, we are including recommendations in the sEIS that we have determined would further avoid, reduce, and/or mitigate impacts on the environment.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-15  
(cont.)

What the SEIS never acknowledges is that these permits and 'Plans and Procedures' were all created in the context of actually building and operating a pipeline, and neither the permits nor Plans and Procedures address the situation where either no pipeline exists or where a pipeline will never be put into service. The SEIS nowhere acknowledges that The Plans and Procedures were published in May 2013, more than eight years ago, and its express purpose was to provide *mitigation measures to minimize environmental impacts of construction and operation of the pipeline*.

NGO06-16

The SEIS never considers how the Plans and Procedures should be modified to take account of this unanticipated situation. Since there is no pipeline, the SEIS should not rely on the Plans and Procedures, but have two completely different foci: (1) at a minimum, what *additional* mitigation measures can be taken in light of the fact that there is not going to be a pipeline on the property, and (2) restoring the land to its original state prior to any ACP disturbance. The SEIS's primary reliance on the Restoration Plans, which is primarily based on the 2013 Plans and Procedures, completely undermines the entire purpose of an environmental impact statement.

NGO06-17

1. The SEIS fails to adequately evaluate impacts on water bodies.

FERC failed to properly evaluate ACP's damage to groundwater, surface water, and wetlands, and failed to require ACP to properly restore these waterbodies to their original condition. As elsewhere, FERC refers to the 2017 FEIS, which was written to address environmental concerns where a pipeline is built and placed into service. SEIS, §§ 4.3.1, 4.3.2.

FERC contends that:

Based on the scope of the ACP Restoration Project, the characteristics of the waterbodies that would be affected, the potential impacts on waterbodies, and Atlantic's implementation of impact avoidance and minimization measures, we conclude that surface waters would not be significantly affected.

NGO06-16: See response to comment NGO06-15. Additionally, review of FERC's *Plan* and *Procedures* is outside the scope of this sEIS.

NGO06-17: Since January 2019, Atlantic (as well as EGTS for the SHP) is only approved to perform work to stabilize disturbed workspaces under its *Interim Stabilization Plan Interim Right-of-Way and Work Area Stabilization Plan*, as indicated in section 1.0 of the sEIS, and have not been approved to conduct overall final restoration of areas impacted by construction. These issues are being addressed separately through FERC's ongoing 3<sup>rd</sup> Party Compliance Monitoring Program and addressed on a case by case basis.

The 2017 FEIS evaluated the construction, restoration, and operation of the ACP. All lands disturbed by ACP Construction Project activities, regardless of the state in which construction was at when the project was cancelled (e.g., tree felling, right-of-way grading, pipeline stringing, or pipe installed), would be restored in accordance with the *Atlantic Coast Pipeline Disposition and Restoration Plan*, our *Plan* and *Procedures*, and other relevant plans as discussed in section 1.5 of the sEIS.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-17  
(cont.)

SEIS, p. 4-9. However, FERC fails to address landowner concerns. ACP's easements cut through creeks, streams and wetlands on Mr. McLaurin's property. McLaurin Declaration, Exhibit 1. ACP excavated deep trenches, cutting through a cliff that abutted the edge of a creek. This damaged the creeks, streams and water drainage that are tributaries of Cape Fear River. ACP's excavations alongside Mr. McLaurin's creek severely altered the natural slope of the creek and bank. ACP has failed to properly restore Mr. McLaurin's property, and the SEIS does not require that ACP do so, only requiring ACP to conduct restoration in accordance with the Plans and Procedures, failing to consider what additional measures can be taken because there is no pipeline.

Concerning wetlands, FERC states that "[n]o pipe removal or trenching would occur in wetlands." SEIS, p. 4-9. Unfortunately, ACP has already dug significant and damaging trenches in wetlands on Mr. McLaurin's property. The damaging impacts of the timber mats, which FERC claims "would be temporary, and permanent impacts on wetlands resulting from Restoration Project activities are unlikely", have already significantly altered water drainage and increased soil erosion on Mr. McLaurin's property. SEIS, p. 4-10. FERC relies on ACP's *Plan* and *Procedures* and its *SPCC Plan*, without acknowledging that these plans simply do not take account of the actual situation on the ground, and the reasonable alternatives to plans that were developed eight years ago to deal with a situation that no longer exists.

2. The SEIS fails to adequately evaluate impacts on soil and land disturbances.

The SEIS also fails to adequately address the environmental impacts on soil and land disturbances. SEIS, p. 4-6. In Mr. McLaurin's case, ACP's massive excavations and lengthy timber mat construction has severely impacted the soil health, thereby negatively affecting the drainage on the land. Even in its attempted repairs to the land after the pipeline cancellation,

NGO06-18

NGO06-18: Since January 2019, Atlantic (as well as EGTS for the SHP) is only approved to perform work to stabilize disturbed workspaces under its *Interim Stabilization Plan Interim Right-of-Way and Work Area Stabilization Plan*, as indicated in section 1.0 of the sEIS, and have not been approved to conduct overall final restoration of areas impacted by construction. Upon the receipt of an Order for the Restoration/Disposition Projects, Atlantic and EGTS would implement the measures contained in the FERC *Plan* and other relevant plans, as stated in section 1.5 of the sEIS to conduct final restoration of affected lands.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-18  
(cont.)

ACP still failed to correctly restore the land to its prior condition. To fill the massive ravine that ACP excavated, ACP moved topsoil and conducted earth moving and grading that left the ground with low spots that disrupt proper drainage. *See, e.g.,* McLaurin Declaration, Exhibit 1, ¶ 20. Additionally, proper topsoil and vegetation have not been replaced. Further excavations near the creek left the slope of the bank damaged, which requires proper restoration and stabilization.

Again, the SEIS's reliance on mitigation efforts outlined in the *Plans and Procedures* addresses neither possible additional mitigation (including within the 150' corridor) nor full and complete restoration of the land.

#### **C. The SEIS fails to account for the ongoing losses suffered by landowners**

The SEIS wrongly assumes that the compensation in return for easements is fair and mutually negotiated:

An easement agreement between a pipeline company and a private landowner typically specifies compensation for losses resulting from construction, including losses of non-renewable and other resources, damages to property during construction, and restrictions on existing uses that would not be permitted on the permanent right-of-way after construction. The easement gives the company the right to construct, operate, and maintain the pipeline, and establishes a defined permanent right-of-way. Landowners are compensated for the use of their land through the easement negotiation process or by the courts through the eminent domain process.

SEIS, p. 4-65.

This categorization of the impacts of eminent domain smacks of willful ignorance. By definition, the easements ACP obtained from landowners are the product of coercion. Courts have readily agreed that when one party has the power of eminent domain, any resulting agreement cannot be considered "voluntary": "It is the fact that one party is possessed of the power of condemnation which keeps this transaction in either case from being a true arm's length bargain." *Nash v. D.C. Redevelopment Land Agency*, 395 F.2d 571, 573 (DC Cir. 1967). "The [Uniform Relocation Act] was intended to benefit those displaced by public agencies with

NGO06-19

NGO06-19: See response to comments NGO02-2 and NGO06-5. Additionally, contractual and financial issues regarding easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

**NGO06 – Niskanen Center and Affected Landowners (cont.)**

NGO06-20: In response to FERC staff’s Environmental Information Request issued on October 1, 2021 (eLibrary Accession No. 20211001-3033), Atlantic provided information as to how the company or its successors or assigns will communicate with landowners concerning permitted uses and activities within the easement or the disposition of their easements (eLibrary Accession No. 20211008-5167). Text in section 4.9.2 of the SEIS has been updated with this information.

NGO06-19  
(cont.)

coercive acquisition power, such as eminent domain.” *Moorer v. HUD*, 561 F.2d 175, 182 (8th Cir.1977). As the Arizona Supreme Court recently observed:

Even a so-called “friendly” condemnation is ultimately not voluntary because Circle City has no choice but to accede to the taking of its assets pursuant to court order. See A.R.S. §§ 12-1114(1), -1114(6), -1116(A); cf. *United Water N.M., Inc.*, 910 P.2d at 910 ¶ 15 (stating “a contract or agreement for sale or purchase is a consensual, voluntary relationship” because “both a seller and a buyer have the right to select with whom each will contract, and *neither can be forced to agree*” (emphasis added) (quotation omitted)). . . . **Agreeing on just compensation rather than litigating the issue makes the condemnation no less coercive.**

*City of Surprise v. Arizona Corporation Commission*, 246 Ariz. 206, 210 (2019) (emphasis added).

Time and again, landowners have conveyed the injustice they experience as a result of the eminent domain under which they live. Darlene and Hershel spears, for example, felt that they were forced to accept lesser payment than their neighbors to ensure that ACP would not take them to trial. After having seized his land over three and a half years ago, ACP still has yet to compensate Donovan McLaurin at all for the use and destruction of his property. McLaurin Declaration, Exhibit 1, ¶ 18. Landowners have repeatedly asserted that the payment they received was not nearly enough to compensate them for the loss of their property, homes, security, and peace. Landowner Wisteria Johnson poignantly described the experience of signing an easement on the land that has been in her family for over seven generations: “we were hopeless, we felt like tied prisoners led to the gallows.”

**D. The SEIS fails to provide landowners with an appropriate and reliable point of contact.**

The SEIS offers no framework or accountability mechanism to ensure that ACP maintains proper communication with landowners or to ensure that landowners have a point of contact for disputes and complaints of any malfeasance by ACP. All the SEIS offers is that “Atlantic plans to continue with its outreach to landowners, including those that were not

NGO06-20



## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-20  
(cont.)

impacted by construction activities. . . Atlantic will comply with the applicable legal obligations in its agreements with landowners. Atlantic will coordinate with landowners to ensure the work is completed to the reasonable satisfaction of the landowner.” SEIS, p. 2-27.

This is not a plan. This is just FERC allowing ACP to act however it sees fit. ACP has demonstrated that it does not prioritize communication with landowners. From the outset of this project, ACP has neglected its obligations of proper notice, has disregarded landowner requests for advance notification of its workers entering property, has conveyed conflicting information to landowners, has been purposefully vague regarding its intentions with easements, etc.

The SEIS must include a proper landowner notification scheme so that landowners understand exactly what to expect from ACP, when to expect it, and a point of contact if they have any questions. Further, there must be an accountability mechanism to ensure that ACP properly restores damages and to ensure that ACP properly informs landowners of any changes regarding land use restrictions or release of easements.

#### III. FERC HAS BROAD AUTHORITY TO IMPOSE CERTIFICATE CONDITIONS GOVERNING WHAT HAPPENS ON ACP’S EASEMENTS.

In issuing certificates of public convenience and necessity, FERC “has the power to attach to the issuance of the certificate and to the exercise of the rights granted thereunder such reasonable terms and conditions as the public convenience and necessity may require” (15 U.S.C. 717f(e)), “The Act vests FERC with broad authority to regulate the transportation and sale of natural gas in interstate commerce” (*Minisink Residents for Envtl. Preservation and Safety v. FERC*, 762 F.3d 97, 101 (D.C. Cir. 2014)), and FERC’s section 7 certificates routinely cite *Del. Riverkeeper Network v. FERC*, 857 F.3d 388, 399 (D.C. Cir. 2017); *Myersville Citizens for a Rural Community v. FERC*, 783 F.3d 1301, 1320-21 (D.C. Cir. 2015); *Del. Dep’t. of Nat. Res. & Envtl. Control v. FERC*, 558 F.3d 575, 578-79 (D.C. Cir. 2009); and *Pub. Utils. Comm’n.*

NGO06-21

NGO06-21: Comments noted. Issues related to the Commission’s authority are not environmental issues and therefore are outside the scope of the SEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-21  
(cont.)

of *State of Cal. v. FERC*, 900 F.2d 269, 282 (D.C. Cir. 1990) as specifically approving of the Commission's authority to impose certificate conditions.

Referring specifically to abandonment, the Supreme Court has noted that, "the Commission's broad responsibilities . . . demand a generous construction of its statutory authority, and that inference is plainly consistent with Congress' regulatory goals." *Fed. Power Commn. v. Moss*, 424 U.S. 494, 500 (1976) (internal quotation and cite omitted).

The SEIS itself explains FERC's broad power to condition any amendment: "The Commission may impose conditions in any authorization it may issue for the Restoration Projects." SEIS, p. 1-6.

In amending a certificate's abandonment provisions, FERC may impose wide-ranging conditions. See *Columbia Gas Transmission, LLC*, 154 FERC ¶ 61116, p. 7 (requiring compliance with environmental conditions); see also, e.g., *Natl. Fuel Gas Supply Corp. Transcon. Gas Pipe Line Co., LLC*, 172 FERC ¶ 61039, 61129, P. 3 (where "the Commission grants the requested certificate and abandonment authorizations, subject to conditions.").

That FERC has authority to proscribe the certificate holder's use of the easement is not in doubt, as FERC routinely imposes such conditions and restrictions. For example, ACP's Certificate contains many such conditions, e.g.:

**Following construction**, Atlantic shall replant long-leaf pine within the [Alternative Temporary Work Space] and the temporary construction workspace along the ACP Project route, and outside the 50-foot-wide permanent right-of-way, where it was cleared for construction. Certificate, P.151.

**Following pipeline installation**, the right-of-way will be restored to near pre-construction conditions and use, and agricultural practices could resume. Except for orchards, crops and pasture can be planted directly over the entire right-of-way. Certificate, P.247.

But that is just the tip of the iceberg. ACP's Plan is a 99-page, single-spaced document, imposes requirements for, *inter alia*, erosion control (pp. 3-4); soil restoration (p. 4); soil

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-21  
(cont.)

compaction (which “will be mitigated through the use of tillage equipment during restoration activities such as a paraplow or similar implement”) (p. 5); topsoil segregation, replacement, and soil conditioning (p. 5); re-contouring (including, “restor[ing] the ground surface as closely as practicable to original contours to restore natural overland water flow patterns, aquifer recharge, and drainage patterns; re-contour[ing] disturbed areas in a fashion designed to stabilize slopes, remove ruts and scars, and support successful revegetation; and restor[ing], to original or better condition, drainage ditches, and culverts that are diverted or damaged during construction”) (p. 6); re-seeding and pollinator habitat planting, which includes 20 pages (pp. 7-27) of requirements as to the types of seed mix to be used in different areas, such as “step slope to very steep slope seed mixes”, “mountain physiographic region seed mixes” (which in turn is divided into different mixes for “excessively to moderately well drained sites”, and “somewhat poorly to very poorly drained sites”), “Piedmont physiographic region seed mixes”, etc. (In fact, the Plan contains more than 20 pages of extremely detailed instructions for which seeds will be used, in which areas, at what times, etc.). There is also “riparian restoration” (divided into “forested” and “Non-forested” riparian areas); “wetlands restoration”, etc. In short, FERC’s plenary authority extends to every inch and every aspect of the easement space.

While FERC has imposed limits on the rights ACP may obtain via condemnation<sup>14</sup>, its authority explicitly extends *even to areas where the pipeline has negotiated an easement beyond what it could obtain in a condemnation proceeding*. For example, ACP’s Certificate provides:

<sup>14</sup> *E.g.*, Condition 4, p. 133 (requiring that “exercise of eminent domain authority granted under NGA section 7(h) in any condemnation proceedings related to the order must be consistent with these authorized facilities and locations. [ACP’s] rights of eminent domain granted under NGA section 7(h) do not authorize them to increase the size of their natural gas facilities to accommodate future needs or to acquire a right-of-way for a pipeline to transport a commodity other than natural gas”). This is a standard certificate provision, *e.g.*, *Double E Pipeline, LLC*, 173 FERC ¶ 61074 (Oct. 15, 2020), Environmental Condition 4.

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-22: Comments noted.

NGO06-21  
(cont.)

Atlantic shall not exercise eminent domain authority granted under section 7(h) of the NGA to acquire a permanent pipeline right-of-way exceeding 50 feet in width. In addition, where Atlantic has obtained a larger permanent right-of-way width through landowner negotiations, routine vegetation mowing and clearing over the permanent right-of-way shall not exceed 50 feet in width. (Section 2.2.1.1) Certificate, p. 138 (emphasis added.)

In other words, FERC explicitly imposes certificate conditions that bind the certificate holder regardless of what rights it may have coerced from landowners. In fact, many certificate conditions impose mandatory requirements that do not provide an exception for “unless the landowner agrees”, e.g., a holder may only “survey and designate the bounds of an easement but no further, e.g., it cannot cut vegetation or disturb ground pending receipt of any federal approvals.” *PennEast, Order on Rehearing*, 164 FERC ¶ 61,098, P. 31; see also *Pacific Connector Pipeline*, 170 FERC ¶ 61,202, P. 101 (PCP “may go so far as to survey and designate the bounds of an easement but no further. . .”).

**CONCLUSION**

The Draft Supplemental Environmental Impact Statement fails to satisfy NEPA because it does not:

1. consider the impacts of ACP needlessly retaining temporary easements on Undamaged Property;
2. consider the impacts of requiring ACP to either release land-use restrictions in permanent easements or surrender those easements to landowners;
3. acknowledge that it bases all restoration on plans drafted eight years ago which assume that a pipeline has been constructed and is operating;
4. consider additional mitigation measures that can be taken in light of no pipeline being built, including within the 150'-wide pipeline corridor, and specifically as to soils and waterbodies;

NGO06-22

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO06 – Niskanen Center and Affected Landowners (cont.)

NGO06-22  
(cont.)

- 5. consider complete restoration of property to its original condition;
- 6. acknowledge that easements granted under threat of eminent domain are inherently coercive, and that payments for such easements do not fairly compensate landowners;
- 7. require a rigorous landowner notification system; and
- 8. acknowledge the Commission's broad authority to condition section 7 certificates.

Respectfully submitted,

s/Tiferet Unterman  
Tiferet Unterman, Esq.  
Ciara Malone, Esq.  
Megan Gibson, Esq.  
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*Counsel to Landowners and  
Landowner Organizations*

Dated: September 13, 2021

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

NGO07 - Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association

UNITED STATES OF AMERICA  
BEFORE THE  
FEDERAL ENERGY REGULATORY COMMISSION

Atlantic Coast Pipeline ) Docket No. CP15-554  
Eastern Gas Transmission & Storage ) Docket No. CP15-555

WINTERGREEN PROPERTY OWNERS ASSOCIATION, FRIENDS OF WINTERGREEN  
AND FAIRWAY WOODS HOMEOWNERS ASSOCIATION COMMENTS ON DRAFT  
SUPPLEMENTAL ENVIRONMENTAL IMPACT STATEMENT FOR ATLANTIC COAST  
PIPELINE RESTORATION PROJECT

On July 23, 2021, the Federal Energy Regulatory Commission (Commission) released a draft supplemental environmental impact statement (SEIS) to assess the impact associated with the proposed restoration of the areas impacted by the now-cancelled Atlantic Coast Pipeline (ACP). The Wintergreen Property Owners Association (WPOA), Friends of Wintergreen (FOW), and Fairway Woods Homeowners Association (collectively Wintergreen Intervenors), long-standing intervenors in the above-captioned proceeding submit these timely comments on the draft SEIS. First, the Wintergreen Intervenors support the SEIS recommendation to allow felled trees to remain in place (at least on the Wintergreen property) and to require Atlantic Coast Pipeline (Atlantic) to abide by its obligations under agreements with landowners. Second, the Wintergreen Intervenors continue to take the position that the Commission lacks authority to amend a certificate for a defunct project and must either rescind or vacate the original certificate or treat the project as abandoned.

I. BACKGROUND

The Wintergreen Intervenors are three separate associations whose members own property at Wintergreen, a mountain resort and community along the east side of the Blue Ridge Mountains in Nelson and Augusta Counties, Virginia. The Wintergreen Intervenors have been directly impacted by

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO07 – Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association (cont.)

the ACP which would cross the narrow road that serves as the sole entry and exit to the Wintergreen property. Although the project is now defunct, the cancellation came too late to save dozens of trees that Atlantic felled on the Wintergreen property in the early stages of project construction.

On July 5, 2020,<sup>1</sup> Atlantic announced the cancellation of its project. Since that time, the Wintergreen Intervenors have consistently urged the Commission to cancel or rescind the certificate to ensure that the project will never be resurrected. On August 3, 2020, the Wintergreen Intervenors filed a letter with the Commission stating that it would not object to ACP's proposed extension of its certificate until October 13, 2021 to allow time to wind down the project so long as the extension did not authorize construction and operation of either the pipeline as originally authorized or any modified version.

On January 4, 2021, ACP filed a proposed Disposition and Restoration Plan for its defunct pipeline, followed by publication of a Notice of Amendment of Certificates and Opening of Scoping Period on March 2, 2021. On April 16, 2021, the Wintergreen Intervenors submitted comments asserting that the Commission lacked authority to amend a certificate for a defunct project, and should instead treat ACP's proposed restoration plan as an abandonment or surrender of the certificate.

In addition to arguing that the Commission must vacate the certificate for the project, the Wintergreen Intervenors also asked the Commission to adopt Wintergreen's proposed approach to restoration for its property. In Wintergreen's case, a negotiated agreement between WPOA and ACP will allow for felled trees and stumps to remain and provide for natural forest regeneration within the easement and invasive species control measures. The Wintergreen Intervenors explained that this

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<sup>1</sup> See [Atlantic Coast Pipeline Cancelled as Delays and Costs Mount](#), New York Times (July 5, 2020).

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

### NGO07 – Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association (cont.)

solution would have far fewer impacts than mandating removal of felled trees, extraction of stumps and replanting. All of these activities would destabilize the steeply-sloped terrain and introduce additional invasive species into the area which after three years, has slowly started to heal. That said, the Wintergreen Intervenors emphasized that their preferred solution might not suit other properties, and urged the Commission to honor individual landowner preferences rather than impose a one-size fits all solution.

#### I. WINTERGREEN INTERVENORS COMMENTS ON SEIS

##### A. Wintergreen Intervenors Support the SEIS' Proposed Restoration Which Accommodates Landowners' Preferences.

Wintergreen Intervenors support the SEIS' proposed recommendation to allow felled trees and stumps to remain in place in the easement so long as this approach is consistent with landowners' agreement. See SEIS at Section 2.1.1.1. The SEIS further states that "Atlantic will comply with the applicable legal obligations in its agreements with landowners." (SEIS at 2-26). This provision assures that the terms of WPOA's agreement with Atlantic -- which allow felled trees to remain in place -- will continue intact and that other landowners' preferences memorialized in agreements with ACP will be honored as well.

The Wintergreen Intervenors also intend to allow natural regeneration of trees within easement. Several sections of the SEIS likewise endorse natural regeneration of trees in areas where cutting took place. See e.g., SEIS at 4-20 to 4.21. However, Section 4.9.2.2 of the SEIS says that "the permanent right of way would generally be allowed to revert to its former use...*except that certain activity such as...the planting of trees would be prohibited in the 50-foot easement.*" This statement is inconsistent with Wintergreen's agreement with ACP which supersedes the SEIS as well as other sections of the SEIS that not only permit, but endorse replanting and regeneration of felled trees. See e.g. SEIS at

NGO07-1: Certain activities are prohibited in a permanent easement. The cited text in section 4.9.2.2 of the sEIS regarding prohibitions of activities in the easement is generally applicable across the Project areas, except where landowners and the companies have agreed otherwise.

NGO07-1



**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO07 – Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association (cont.)

NGO07-1  
(cont.)

4-21 (explaining that natural revegetation is preferable to replanting in many locations). The Commission should clarify that with the project cancelled, ACP will no longer have any control over activity in the easement, particularly the ability to prevent the growth of trees.

Finally, the SEIS expresses concern that certain restoration activities may introduce non-native invasive species to the area. See SEIS at 4-21 to 4-22. The Wintergreen Intervenor note that the WPOA agreement with Atlantic includes provisions for invasive species control.

**B. The Commission Must Treat the Project As Abandoned and Rescind or Vacate the Certificate.**

Initially, the Commission proposed to treat Atlantic’s restoration plan as an amendment to the certificate. The Wintergreen Intervenor objected, arguing that there are more appropriate procedures for closing out a cancelled project such as vacating a certificate<sup>2</sup> or treating a project as abandoned.<sup>3</sup> Wintergreen emphasized that putting a final and formal end to a defunct project is imperative to safeguard landowners from the prospect that a new pipeline will materialize in the same easement at a later date.

The SEIS incorrectly bypassed the Wintergreen Intervenor’s argument on abandonment. The SEIS claims that Section 7(b) does not apply because “ACP did not place its pipeline into service and therefore is not a natural gas company subject to section 7(b).” However, even if the ACP does not fall within the Commission’s jurisdiction under 7(b), the Commission may still put an end to the project by rescinding Atlantic’s certificate. In fact, the Commission routinely rescinds certificates for projects

<sup>2</sup> See e.g., *Tennessee Gas Pipeline*, 123 FERC ¶61,141 (2008) or where a project won’t be built. *Cheniere Creole Trail*, Order Vacating Certificate, 172 FERC ¶61,117 (vacating certificate for project that won’t be built), *accord ANR Pipeline*, 103 FERC ¶61,025 (2003).

<sup>3</sup> See Section 7(b) of the Natural Gas Act and 18 C.F.R. §157.18 is also appropriate providing that “no gas company shall abandon any part of its jurisdictional facility without permission and approval of the Commission.”

NGO07-2: Jurisdictional issues, such as the Commission’s authority under section 7(b) or its authority to rescind a certificate, are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

NGO07-2

## NON-GOVERNMENTAL ORGANIZATION COMMENTS

NGO07 – Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association (cont.)

NGO07-2  
(cont.)

that fall outside the scope of its jurisdiction. *See e.g., Tarpon Transmission Company*, 61 FERC ¶61,249 (1992)(rescinding certificate for project which is no longer under Commission jurisdiction), *accord Texas Sea Pipeline*, 61 FERC ¶61,181 (1992). The SEIS could have also recommended that Atlantic would be required to vacate its certificate as many other companies have where a project was never built. *See supra*, n. 2.

Whether through abandonment, rescission or vacating, the SEIS should have made clear that there is a finite term for restoration and once complete, the certificate expires. Allowing the certificate to remain intact leaves open the possibility that ACP can revive the project at a later date which is an unacceptable hardship for landowners like the Wintergreen Intervenors who have already been subjected to more than three years of time and expense in seeking a reroute of the ACP. Subjecting landowners to the spectre of another pipeline in the former easement is flatly inconsistent with the public interest and the Commission must take appropriate steps to prevent this outcome from ever happening.

Respectfully submitted,

*/s/Carolyn Elefant*

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Carolyn Elefant  
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Counsel for Wintergreen Intervenors

September 13, 2021

**NON-GOVERNMENTAL ORGANIZATION COMMENTS**

NGO07 – Wintergreen Property Owners Association, Friends of Wintergreen, and Fairway Woods Homeowners Association (cont.)

**CERTIFICATE OF SERVICE**

I certify that on the 13th day of September, 2021, I caused to be served a copy of these comments on all parties on the service list for FERC Docket No. CP15-554.

Respectfully submitted,

*/s/Carolyn Elefant*

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Counsel for WPOA

**INDIVIDUAL COMMENTS**

IND01 - Robert L. Zimmerman

Document Accession #: 20210802-5004      Filed Date: 08/02/2021

Robert L Zimmerman, JR, WOODBRIDGE, VA.  
My wife and I completely and totally believe that a pipeline such as the Atlantic Coast Pipeline is needed for the strength of our economy and to keep trucks with flammable and potentially explosive materials off of our Interstates, highways, and local roads. The actions described will maintain the environment near the pipeline. We are in favor of approval of the Proposed Atlantic Coase Pipeline. Note that neither of us have any financial interest in this pipeline.

IND01-1

IND01-1: Section 1.0 of the sEIS states that on July 5, 2020, the parent companies of the Atlantic Coast Pipeline Construction Project released an announcement cancelling the project.

**INDIVIDUAL COMMENTS**

IND02 – Neal W. Rohr

Document Accession #: 20210802-5086      Filed Date: 08/02/2021

Neal W Rohr, Buckhannon, WV.  
My name is Neal Rohr. I am member &quot; manager of Lewis Airstrip LLC. Our lease to Atlantic Coast Pipeline (for the Brushy Fork Road Contractor Yard) expired March 31, 2021. Consistent with our desires on April 20 ACP submitted to the WV Dept. of Environmental Protection a request that our site be excluded from the restoration requirement that exists in the WVDEP permit. On June 2 the WVDEP granted that request. So our site is NOT subject to any of the restoration activity associated with ACP.

Thank you

IND02-1

IND02-1: The closeout of the Brushy Fork Road Contractor Yard, in accordance with landowner requests, was approved via a FERC variance issued on June 24, 2021.

## INDIVIDUAL COMMENTS

### IND03 – Travis Hoffman

Document Accession #: 20210804-5007      Filed Date: 08/04/2021

Travis Hoffman, Red House, WV.  
To whom it may concern:

I am writing to object to leaving the felled trees in place along the Atlantic Coast Pipeline route. My name is Travis Hoffman. I own a hunting cabin in Pocahontas County, West Virginia. Approximately three years ago a wide swathe was cut through Monongahela National Forest near Frost, Pocahontas County, West Virginia. The trees were cut in every direction and just left. It has caused a mess and real harm to the National Forest. I and my family have enjoyed recreationally using the Monongahela National Forest for many years, but are now unable to even access portions of the forest due to Dominion Energy and Duke Energy's actions. I would request they be required to clean up the mess they caused in our National Forest. For this reason, I object to leaving the felled trees along the Atlantic Coast Pipeline route through our National Forest.

Thank you,  
Travis Hoffman

IND03-1

IND03-1: The U.S. Forest Service provided the following response: The sEIS considered removing felled trees as an alternative and noted that “that the potential impacts on the environment resulting from removal of the felled trees would be greater than the potential benefits gained from removing them” (see section 3.1.3.1). The FS’ reasons for leaving felled trees are disclosed, as are effects, in section 4.8.3 of the sEIS. Allowing felled trees to remain on NFS lands would provide beneficial habitat and are not likely to adversely affect Regional Forester Sensitive Species (section 4.8.3 of the sEIS). The *FS Site Assessment* (at pg. 22) discloses agency rationale for leaving felled trees in place, and this rationale is supported by field data presented throughout the *FS Site Assessment* (on pages 2 - 10 and 13 - 17.)

INDIVIDUAL COMMENTS

IND04 – Francine J. Stephenson

Document Accession #: 20210810-0008 Filed Date: 08/10/2021

**ORIGINAL**

2012 Raccoon Run  
Clayton, NC. 27527 CP15-554 August 3, 2021

Re: Atlantic Coast Pipeline Easement

To: Robert M. Blue, CEO  
Dominion Energy  
120 Tredegar Street  
Richmond, Virginia 23219

Lynn J. Good, CEO  
Duke Energy  
550 South Tryon Street  
Charlotte, North Carolina 28202

FILED  
SECRETARY OF THE  
COMMISSION  
2021 AUG 10 P 2:37  
FEDERAL ENERGY  
REGULATORY COMMISSION


Last year, Dominion Energy and Duke Energy cancelled the Atlantic Coast Pipeline project. As per the language in my easement agreement with ACP, I am requesting that ACP release the easement we signed together on January 24, 2019 in an arbitration process, and I am requesting that ACP file a Release of Easement for my property in the Johnston County Register of Deeds Office.

My easement agreement for Tract 20-215 includes an addendum with a section on Abandonment, which states (bold italics added for emphasis):

TO HAVE AND TO HOLD same, with all rights and appurtenances thereunto belonging, unto Grantee, its successors or assign, for the purpose of doing all acts necessary for the construction, operation, alteration, inspection, testing, maintenance, repair, renewal or replacement of such pipeline and any other facilities appurtenant thereto, ***until such time as the use and operation of such pipeline is relinquished or abandoned*** subject to and in accordance with abandonment regulations and requirements mandated by the Federal Energy Regulatory Commission (FERC) or ***ceases to exist; at which time, title to said Easement Area shall revert back to Grantor, its successors or assigns.*** In accordance with FERC definition and guidelines for "abandonment" of pipeline, the following conditions shall govern pipes installed under this easement at the time the facilities are installed: a) If the facilities of the Grantee covered under this easement are not operated or maintained for a period of five (5) consecutive years, Grantee agrees to abandon said facilities. b) Abandonment of facilities will be in strict adherence with all current governmental rules and regulations having jurisdiction over that abandonment. c) Abandoned facilities will be flushed of natural gas and filled with inert gas or any such other material that will be in accordance with then-applicable industry standards and in accordance with any government rules and regulations. d) ***Within six months of receipt of a written request from Grantor, after facilities are abandoned or removed at Grantee's discretion or in accordance with government rules and regulations, Grantee shall record a release of all its rights, title and interest in and to the right of way.***

IND04-1 { My expectation is that, as grantee, ACP will release all of its rights, title and interest in and to the right-of-way within six months of this written request for release and will file a formal Release of Easement in the Office of the Johnston County Register of Deeds by February 2022.

Sincerely,



Francine J. Stephenson

cc: Sharon L. Burr, Chief Deputy Counsel, ACP  
Greg Friend, ACP, Smithfield, NC  
✓ Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission

IND04-1: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of this sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

IND05 – George M. Fuller, Jr.

Document Accession #: 20210812-5139 Filed Date: 08/12/2021

George M Fuller, JR, Valley Head, WV.

I am writing to FERC because Atlantic Coast Pipeline mailed us a document Dated July 23, 2021 , Docket Nus. CP15-554-009 and CP15-555-007 ACP/Dominion wants to leave the pipe in the ground and just walk away from this project.

Someone HAS to make ACP and Dominion accountable for their actions. My contract ended July 2021 and they have not done a single thing in compliance with the contract. They found us, the landowner, and they threatened us with Eminent Domain given to them by FERC. The landowner really had no alternative but to go along with them. They came in and made a huge mess, and left it. I was told if I didn't like it, to fix it at my own expense. In many cases, that is what I had to do.

I had my lawyer and ACP/Dominion lawyers come up and take photos and all agreed that this was terrible and there would be something done. It has been almost an entire year and have not heard a single word. This has cost me Thousands of dollars. It has been an eye sore and has caused so much frustration and hardship.

An example of hardship would be when they did not finish the access road and they left 7 inch rock down, it tore up my tires. In one instance I was on the interstate and my tire blew out. (the car was less than a year old) I had 18 wheelers passing by while putting on the spare. I have gone through 4 sets of tires.

Not being able to hay the top field for 4 years due to no access. They even put up No Trespassing signs on this area. It was a right of way, not a land lease.

One of our cattle fields were cut in half and could not put cattle on that area. The area that they took was much larger than what was in the contract. They removed our fencing and put up barbed wire.

For me to travel on to one of my back roads, I had to climb through the barb wire to access it by foot.(not something you want to do on a regular basis)

They put salt on dirt roads that flowed into my ponds.(the ponds turned bright orange) Huge mess that I had to clean up.

I would like to say that I appreciate William Limpert's Motion to intervene dated April 16th, 2021. I am in agreement.(totally)

What I am most concerned about with leaving the pipe in is that it will deteriorate. Then there will be a huge problem. If they are allowed to just walk away, then the landowner again, will be responsible to clean it up and we do not have the equipment, nor resources to do so.

The other part of that is slippage. I have been told by someone that the slippage on my property would not take a lot. I have very steep grades. they check it now every time it rains 2 inches. If you let them off the hook, there will be no one to check it. If something happens, there will be no one responsible.

IND05-1: The Commission's environmental staff monitors and regulates environmental compliance. These concerns are of environmental compliance in nature and are currently being investigated by the environmental staff.

IND05-1



INDIVIDUAL COMMENTS

IND05 – George M. Fuller, Jr. (cont.)

IND05-2: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

IND05-1  
(cont.)

My contract said they had to do everything mechanically. They arial sprayed, seeded and used explosives. None of which we agreed to.

They messed up the access road and did not do anything promised, so now it is impassable for my farm equipment. They moved the direction of the pipeline from being on the side of my hayfield to right down the middle. They just did it, without telling us that they were going to do it. Actually, if it had gone the original course it would have been better for everyone cause it would have been further from the cave.The engineers on this project agreed with that statement. Agreed that a mistake had been made. They missed the cave on the property by 90 ft. only to disrupt it by blasting.

We had physical intimidation. One of the trucks that we had loading vaneer logs (in gear and running) was physically (by ACP ) was pulled across the road and rendered unable to move for over 6 months and all the logs were lost.

If we said anything whatsoever, they would come in a group and act like they were going to physically do something to us. If we asked a question, we were told that they were not allowed to tell the landowner.

I was going home one day and was going around the bend in the road and almost had a head on collision. Fortunately I was going slowly and we did not hit, but the fellow just acted badly. They had said that there would be enough room for 2 trucks to pass and to this date, only on vehicle can go down this main road. Which still has not been complete leaving wooden planks that are deteriorating, large rock, and in places, ditching was taken out, huge water stops that have ripped the bottom of our car and truck, concrete barriers,

IND05-2

damaged Culverts and damaged dikes, some road curtains.

The logs that they left to lay on the property have been a mess and eyesore. Cyotee's have made homes in the logs. They are all piled up, very high. They were not put in an accessible place.

There was no need for all that we had to endure.(attitudes and being left with such a mess) My main point is that is someone does not hold them responsible, then they walk away. The landowner will have had to pay in many more ways and it was brought to the landowner, this was not asked for. They promise and say one thing, only to do another.

The other point is, I want the right of way back in my name. They could sell this to another company and again, be off the hook for all the mess left behind. Again, the landowner pays. Please, Please stand up for the landowner. You are the one who can make them accountable. You are welcome to come to visit the property and see exactly what I am talking about. I could probably show you even more than what I have just written about.

**INDIVIDUAL COMMENTS**

IND06 – Zane M. Garrison

Document Accession #: 20210901-0010      Filed Date: 09/01/2021

**ORIGINAL**

Zane Maurice Garrison  
1522 Buckhannon Run Road  
Buckhannon, West Virginia 26201  
August 21, 2021

FILED  
SECRETARY OF THE  
COMMISSION  
2021 SEP -1 P 3:44  
FEDERAL ENERGY  
REGULATORY COMMISSION

Federal Energy Regulatory Commission  
888 First Street NE  
Washington, DC 20426  
RE: CP15-554-009

Dear Sirs:

This is in regards to the property of Robert D. and Lois P Garrison in Lewis County, West Virginia of which Dominion Energy has proposed the ACP to go through. If you will look at the enclosed pictures I have taken of my parents property shows the condition in which Dominion has requested to leave it. Dominion persisted and hounded my father until he agreed to give them the Right-Of-Way. Now Dominion has left trees and stumps lying where they were cut and said they are going to leave as is. This is wrong. We signed a contract that said trees and stumps would be removed. Is this not a breach of contract? We wouldn't be allowed to change the contract after it was signed. They have left us a total mess. My father and I have removed some fallen trees from our fields so the grass could be cut for hay. Other areas I kept clean is now a wilderness. I was raised as a child to treat others as I would like to be treated. So my question is this. How would you like it if this was your property and took pride and keeping it maintained? How would you like to pay property taxes on a mess like this? It is a total disgrace.

I would like to hear from Dominion. Their response is they don't a permit. Is this true?

Very truly yours  
*Zane Maurice Garrison*  
Zane Maurice Garrison

IND06-1

IND06-1: See response to comment IND04-1.

**Note to reader:** This correspondence included several pages of photos. The visibility of the photo attachments were low quality; therefore, they were not copied into this appendix. The correspondence and all attachments can be viewed at FERC's eLibrary link, search by "Accession No." and entering "20210901-0010" in the "Enter Accession Number" field.

## INDIVIDUAL COMMENTS

IND07 – Tom Endrusick

Document Accession #: 20210907-5000      Filed Date: 09/07/2021

Thomas Endrusick, Smithfield, VA.  
The proposal to walk away for a partially completed project that inflicted significant damage to the environment is NOT ACCEPTABLE. The project proceeded without proper evaluation of the environmental impact and simply abandoning it in place is not acceptable.

IND07-1 { An acceptable proposal would include pipeline removal and forest restoration within the miles cleared.

IND07-2 { The poor behavior of only evaluating initial construction costs, vice full lifecycle cost (including environmental costs) is what has resulted in the devastating climate crisis we currently are living with. Approval of the proposed partial restoration continues to support this poor evaluation method.

IND07-1: See response to comment IND13-2. Replanting of trees is discussed in section 4.6.1 of the sEIS.

IND07-2: The purpose of a lifecycle analysis (also referred to as the social cost of carbon [SCC] estimate) is to monetize climate change damage associated with an incremental increase in CO<sub>2</sub> emissions each year. We recognize that the SCC methodology does constitute a tool that can be used to estimate incremental physical climate change impacts, either on the national or global scale. The integrated assessment models underlying the SCC tool were developed to estimate certain global and regional physical climate change impacts due to incremental greenhouse gas emissions under specific socioeconomic scenarios. However, the Commission has previously indicated that it is not appropriate for use in our project-specific analyses for the following reasons: 1) the incorporation of the SCC tool into our NEPA review cannot meaningfully inform the Commission’s decision whether and how to authorize a proposed project under the Natural Gas Act; 2) the Commission does not use monetized cost-benefit analyses as part of the review under NEPA or the

## INDIVIDUAL COMMENTS

decision under the NGA; and 3) the SCC tool has methodological limitations (e.g., different discount rates introduce substantial variation in results and no basis exists to designate a particular monetized value as significant) that limit the tool's usefulness in the review under NEPA and the decision under the NGA.<sup>3</sup> As such, FERC staff did not use the SCC tool in this NEPA analysis.

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<sup>3</sup> Order on Remand Reinstating Certificate and Abandonment Authorization, Southeast Market Pipelines Project (SMP Project) CP14-554-002, CP15-16-003, CP15-17-002, March 14, 2018.

INDIVIDUAL COMMENTS

IND08 – George M. Fuller, Jr.

Document Accession #: 20210907-5077 Filed Date: 09/07/2021

George M Fuller, JR, Valley Head, WV.  
 I had a FERC contractor come to my property on August 30, 2021. I asked my lawyer to come along for the visit. He called Atlantic Coast Pipeline's lawyer to see if he were going to be there. ACP lawyer said, no, he knew nothing about this meeting. My lawyer told me that it would be better for us to show the FERC contractor our property. (seems like a round robin, contractor had been here 2 years ago and was in agreement but nothing had been done)  
 When the meeting occurred, not only was the ACP lawyer there, but the entire crew for ACP. Many proceeded to ride in the same vehicle as the FERC contractor!  
 So it was 8 people on ACP side and only my husband and myself defending our property.  
 The first thing I did was point out that this was very unfair, but decided to show the FERC contractor our complaints.  
 The first complaint, he apologized to the ACP people and said, well, I have to agree.. this is a real problem. MY question is... Why did he feel the need to apologize? Then he went on to tell them the absolute cheapest way to fix it instead of the way it was.  
 As we went further on up the road, the more Flip answers I got. It was obvious that ACP had his ear. He told me that the pipe was a done deal. I said, it shouldn't be a done deal till after Sept. 26. He said. We are not going to pull the pipe up, nor are we going to fill it.. That it would be bad for the environment.  
 I have to respectfully disagree. My first point is, the ground is going to be disturbed anyway when they move all that land back to were it was. The pipe WILL deteriorate or slip. There are already problems in other places with this pipe. The pipe is open ended which will help with deterioration. There is a monstrosity of something that is in the ground that is holding the pipe and its chemical components are questionable. They check this pipe every time it rains 1 1/2 inches but after 5 years (which is nothing) they won't check it. So this would be left to the landowner. They are not far sighted at all. If they were so environmentally friendly, they would have not blasted in limestone when the contract said Mechanical means, destroying a cave and rerouting water streams. Maybe they should plant 5 year old tree's in place of all the ones they cut down to hold the soil from sliding.  
 I don't believe that all the landowners have signed off. I for one have not signed Anything. I am at the point that it is hard to believe anything I hear from ACP. Many of the things that were promised, they want to say why they can not do now.  
 I am asking FERC to PLEASE PLEASE make ACP/Dominon accountable. Please make sure that your contractors are really being fair and not just listening to ACP. Remember, it is the Landowner that ends up paying dearly. ACP wants to walk away as cheaply as they possibly can. They were the ones that forced themselves on the landowner, they need to be responsible and do what that promised to say the very least.  
 ACP says that the landowners were paid fairly, I have 5 years of not being able to use half of my property for farming(the contract is well over and still nothing has been done) I have went through 4 sets of tires from ACP only laying the 7 inch rocks on my road and they took out the ditching and put wooden planks down, never finishing the road. Then only to tell me on Aug. 30 that they were not going to even put the ditching back or Culverts where they put high water stops that ripped out the bottom of my car. There has been nothing but inconvenience and eyesores all over the property.  
 We were threatened, we were treated very poorly. They even put no trespassing signs up on deep posts on one of our access roads. Salt on dirt roads, ponds turning orange(improper grading) and going on into streams.  
 So.. ACP said that landowners were paid well can defiantly be debated. I could list so much more. ACP actually have workers sitting on our property to avoid being seen or around the yard for fear of being fired. They not only are bullies, they abuse the privilege of being on the landowners property. You ask them why they have not done a single thing to maintain the property and they say that they are not allowed to. This is just a taste of why people get so upset. The FERC contractor apologizing to ACP leaves one feeling very uneasy that the landowner will get a fair hearing.  
 ACP needs to pull up or fill the pipe. They need to finish cleaning up the project and doing the things that were promised. Return the property rights to the landowner. They need to be respectful.

IND08-1

IND08-2

IND08-1: See response to comment IND05-1.

IND08-2: Removing the pipeline was considered as an alternative in section 3.1.2 of the sEIS. As described in that section, we have determined that removing the pipeline would not offer a significant environmental advantage when compared to the proposed action to leave the installed pipe in place.

**INDIVIDUAL COMMENTS**

IND09 – John M. Leyzorek

IND09-1

Document Accession #: 20210910-5138      Filed Date: 09/10/2021

john m leyzorek, Marlinton, WV.  
It is imperative that the issue of land and/or easements and/or ROW acquired for this project be addressed.  
Since the project no longer exists, and was based on fraud, possession of said interests by ACP or its successors is unlawful as a stolen interest.  
The land interests must be returned to their original owners, before it can be said that the cancellation of the project and the mitigation of its damage is complete.  
Permitting the land interests to remain in any other hands than those of the original owners is complicity with theft by fraud. Additionally, because said land interests have value to a potential new attempt to complete this unnecessary, fraudulent, and destructive project, allowing anyone but the original owners to retain these interests represents an unlawful subsidy to the owner, criminally exempted from the lawful review process.

IND09-1: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

### IND10 – Lib Hutchby

Document Accession #: 20210910-5177

Filed Date: 09/10/2021

Lib Hutchby, Chapel Hill, NC.  
To the Commissioners of FERC:

Peace is patriotic and it is expected that all landowners on the ACP route will have more peaceful days when you insist that the ACP release the easements.

-ACP obtained thousands of easements " permanent and temporary " from private landowners, many through eminent domain proceedings or through agreements backed by the company's threat of using eminent domain

-While the project has been completely abandoned, Duke and Dominion have publicly stated that they do not intend to voluntarily release the easements. Nor do they have plans to transfer the easements to a third party for use in another infrastructure project. No explanation has been given by the company.

-Temporary easements were intended to be used only during pipeline construction " but Dominion plans to keep the temporary holdings for at least 3-5 years until all properties damaged by construction have been restored.

-However, no tree felling, earth moving, or other construction impacts occurred along over 50%of the route. It is therefore completely unacceptable and unclear why Dominion is holding on to these undisturbed, temporary easements.

-The refusal by Atlantic to release easements represent a severe, continuing, and unwarranted burden on properties across the entire route, restricting property owners from fully enjoying their land or hindering their ability to sell.

-Armed with the lynchpin permit issued by FERC, ACP was able to strip property owners of their land for public "inconvenience and necessity". The pipeline has been cancelled, and there is no longer any need for ACP to hold on to landowners' properties.

Thank you for space to comment.  
Lib Hutchby

Comments noted. Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

### IND11 – Lauren Randall

Document Accession #: 20210913-5093

Filed Date: 09/13/2021

Lauren Randall, Roswell, GA.  
Dear FERC Regulatory Commission,

I'm a mother who fears for my family in a warming world.

I write to demand that FERC address the harm Duke and Dominion Energy and the Atlantic Coast Pipeline had on communities within the Supplemental Environmental Impact Study.

The Atlantic Coast Pipeline was an environmental and human rights disaster that you should never have approved in the first place. During the 18 months before construction came to a halt, communities had their trees clear-cut and their lands graded.

[ Duke and Dominion Energy continue to maintain a grip on the pipeline's route- which poses dire consequences to our climate, Indigenous and Black communities, and the public. As the project has died, I demand you ensure that the communities that were destroyed by the construction or preparation of construction are fully restored.

Sincerely

Lori Randall  
900 Cedar Knoll Dr  
Roswell, GA 30076  
lori.h.randall@gmail.com

IND11-1

IND11-1: The sEIS discusses impacts on climate change, and socioeconomics and environmental justice communities in sections 4.12 and 4.11, respectively. Also, see response to comment FA01-9. As described in the 2017 FEIS and the sEIS, the Commission requires the restoration of affected lands.



**INDIVIDUAL COMMENTS**

IND12 –Adam Travis

Document Accession #: 20210913-5103      Filed Date: 09/13/2021

Adam Travis, Lynn, MA.  
Please ensure that FERC address the harm Duke and Dominion Energy and the Atlantic Coast Pipeline had on communities within the Supplemental Environmental Impact Study.

The Atlantic Coast Pipeline was an environmental and human rights disaster that you should never have approved in the first place. During the 18 months before construction came to a halt, communities had their trees clear-cut and their lands graded. Any land that was harmed must be restored.

Duke and Dominion Energy continue to maintain a grip on the pipeline's route-- which poses dire consequences to our climate, Indigenous and Black communities, and the public. As the project has died, I demand you ensure that the communities that were harmed by the construction or preparation of construction are fully restored. However, all land where no construction or preparation activity occurred should immediately have the easement revoked and cancelled.

IND12-1

IND12-2

IND12-3

IND12-1: As described in the 2017 FEIS and the sEIS, the Commission requires the restoration of affected lands.

IND12-2: See response to comment IND11-1.

IND12-3: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, DC 20426

Re: Docket CP15-554-009 Comments on FERC Draft Supplemental Environmental Impact Statement for the Atlantic Coast Pipeline Disposition and Restoration Plan

September, 2021

Ms. Bose:

I hereby submit comments under FERC Docket CP15-554-009, regarding FERC's draft supplemental environmental impact statement (SEIS) regarding the Atlantic Coast Pipeline's (ACP) disposition and restoration plan.

FERC and the ACP must understand that full restoration of disturbed lands will never be achieved due to the extensive environmental damage that has been inflicted on those lands.

Additionally, full restoration of the emotional well being of the owners of the nearly 3,100 tracts of land that are impacted by this project will never be achieved. Severe psychological damage has been brought to bear on affected property owners from the attack on, and seizure of their private land by FERC and the ACP. Many of these landowners will be forced to live with post traumatic stress syndrome, and the resultant consequences of that affliction for the rest of their lives.

This project was an incredible waste of time, effort, and loss of money for all parties, and for our country. FERC orchestrated and enabled all of this loss, and FERC is responsible for the losses for all parties, and the cumulative loss for our country.

The draft SEIS is not acceptable. FERC should require that the plan be revised as follows:

IND13-1

{ - All easement agreements should be declared null and void, and all private property fully returned to landowners.

IND13-2

{ - All pipe should be removed from the ground and repurposed, with full restoration of areas disturbed for pipe removal, storage, and transport.

IND13-3

{ - Felled trees should be removed to avoid fire danger.

IND13-4

{ - Invasive species that arose from, or proliferated from tree felling or land disturbance should be removed by methods approved by the landowner, and monitored.

IND13-1: Contractual issues regarding the disposition of easements are not environmental agreements and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

IND13-2: The removal of installed pipeline is considered as an alternative to the proposed action in section 3.1.2 of the sEIS.

IND13-3: The removal of felled trees is considered as an alternative in section 3.1.3.1 of the sEIS.

IND13-4: As stated above and in the sEIS, upon the receipt of an Order, Atlantic and EGTS would implement the measures contained in the FERC Plan and their *Non-Native Invasive Plant Species Management Plan (Rev. 5)*. The FERC Plan (section III.F.2, V.D.1, and VII.A) requires Atlantic to have procedures to manage invasive species, achieve successful revegetation, perform restoration per the landowner's request, and monitor restoration until complete.

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert (cont.)

IND13-5

- Habitat for endangered species that was impacted by tree felling or land disturbance should be restored, maintained, and monitored by methods that are approved by the landowner, and the U.S. Fish and Wildlife Service. Endangered species that were killed as a result of tree felling or land disturbance should be re-introduced to the property once the habitat has been restored.

IND13-6

- Slopes greater than 30% that were impacted by tree felling or land disturbance should be monitored for slippage and landslides. Slippage or landslides must be repaired. Land slippage that occurs on slopes less than 30% that was caused by tree removal or land disturbance must be repaired and monitored as well.

#### **Easement Agreements Must be Declared Null and Void**

IND13-7

The ACP must declare all easement agreements null and void, and fully return land taken under those easement agreements, and by eminent domain to the property owner.

The ACP has declared that it will not complete the pipeline project, and the ACP therefore, has no use for the easements.

For most landowners the date that they received notification that the ACP was planned to be built through their property is a date they will never forget. It is like their own personal 9/11, Pearl Harbor, the day that they were diagnosed with a serious illness, or the day a loved one died.

I don't think FERC has ever fully considered the negative life changing experience of a property owner's land being attacked, and taken from them. It is not unlike facing an advancing army with large numbers of troops and superior weaponry. FERC supplied the troops, and ignored the property owners.

In order to get a better understanding of the true horror of FERC sanctioned eminent domain against property owners, the FERC Commissioners should be required to run the risk of having their home and property defiled, or taken away from them. Each commissioner should be willing to have a one in five chance, by lottery, of having their home and property taken from them, or otherwise severely reduced in value and enjoyment, as a condition of becoming a commissioner.

I understand that FERC may scoff at this proposal. Nevertheless, if FERC decision makers were forced to live like every day Americans in the crosshairs of a natural gas pipeline, they would not allow these atrocities to be perpetrated on us.

In almost all cases easement agreements were signed under great duress, and with the threat of FERC sanctioned eminent domain influencing the landowners' decision to

IND13-5: Consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species. Reintroduction of listed species would only occur under the direction and jurisdiction of the FWS.

IND13-6: Atlantic would monitor steep slopes consistent with the monitoring provisions of our Plan. The long-term restoration monitoring of steep slopes is addressed in section 4.1.3 of the sEIS.

IND13-7: Contractual agreements regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

sign an easement agreement. Any notion that all easement agreements were signed voluntarily by property owners is false. In almost all cases these easement agreements were signed in order to avoid having the property taken by FERC sanctioned eminent domain.

The easement agreements were also signed in order to attempt to receive more compensation than would be granted by the courts under eminent domain proceedings. Regardless, the amount of compensation, in almost all cases, is significantly less than the property value loss from a natural gas pipeline on the property, or a natural gas pipeline easement on the property. In other words, it is a net loss for the property owner. The ACP and other pipeline companies sanctioned by FERC take hard earned financial assets from generally low and middle income citizens, and give it to wealthy corporations and their rich investors. There are really no free market economics at play here. This is basically FERC sanctioned theft.

Legal representation is very expensive. Besides very expensive lawyer's fees, property owners are told by those lawyers that they need to hire expensive real estate appraisers to provide information to the court. These very high legal fees also influence property owners to sign an easement agreement, rather than pay the fees, and still have their property condemned through eminent domain.

FERC stated in the environmental impact statement for the ACP that in almost all cases there would be no loss in property value if the ACP was constructed through the property, except in rare cases where the courts would satisfactorily compensate the landowner for property value losses. FERC based this blatantly false statement on review of biased and flawed studies by the natural gas industry. Further, FERC did not consult with a single real estate agent or land appraiser in North Carolina, Virginia, or West Virginia in arriving at this fundamentally incorrect and unfair determination that there would be no property value loss.

Every property owner and every real estate professional knows that ACP construction, an easement, or the threat of a natural gas pipeline, or another pipeline going through a property significantly lowers the property value. A leading real estate agent in Bath County, Virginia advised my wife and I that property values would drop by more than 50% if the ACP was constructed on our property, or any other property in Bath County.

Landowners are rightly concerned that the ACP will profit from selling the easement agreements to another party. The dying fossil fuel industry is doing whatever it can to continue to make money, regardless of the consequences to our citizens, our environment, and our climate. The industry is pushing for carbon capture and storage that would require an immense array of pipelines to carry the carbon to suitable sequestration locations, and is incompatible with our energy and climate needs. They are also considering pipelines to carry hydrogen.

IND13-8: Section 4.9.7 of the 2017 FEIS presented an analysis of possible Project impacts on property values using publicly available data that examined how the presence of natural gas facilities may affect the sale value of property. We did not conclude that there would be no loss in property value or that the courts would satisfactorily compensate the landowner for property value losses. Our conclusion was “Based on the research we have reviewed, however, we find no conclusive evidence indicating that natural gas pipeline easements or compressor stations would have a significant negative impact on property values, although this is not to say that any one property may or may not experience an impact on property value for either the short or long term.”<sup>4</sup>

IND13-8

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

IND13-9

Properties that remain encumbered by an easement agreement, such as those currently still encumbered by ACP easement agreements, are still valued significantly less than properties that have no easement agreements in place. These properties will be extremely difficult to sell if the owner wishes to do so. If they do sell, they will sell for substantially less than they would if they were not encumbered by the easement agreement.

The easement agreements restrict landowner use of their property, and this places further burdens on the property owner. The property may also face subdivision restrictions, and further lower value, due to the easement.

Many activities are prohibited in the easement area. Construction of a home, a barn, or other structure is prohibited. Earth moving activities are prohibited. Even the planting of trees is prohibited. The ACP has removed over 5 square miles of trees in its failed attempt to complete the ACP, and property owners are now prevented from planting a single tree to make up for the large loss of trees, and the benefits that they bestow upon us, and our natural world.

Well over 9,000 acres of land has been taken by the ACP through coerced easement agreements, eminent domain, or coerced purchase under the threat of eminent domain. This acreage is only a fraction of the total property acreage that has been diminished in value and enjoyment with an easement still in place.

Section 4.9.2.1 of the SEIS states that the ACP has stated that they would return all temporary easements to landowners after restoration, permits, and monitoring are complete.

Section 4.9.2.2 of the SEIS states that prohibitions regarding building, and planting trees would remain in place, and that buried pipe would further restrict land use. It then states that the ACP has stated that after restoration and monitoring are complete they will communicate on a case by case basis to determine the permanent disposition of the easement.

These statements by the ACP are unenforceable, and the ACP may not follow through on them. The ACP statement regarding permanent easements appears to indicate that the ACP will treat landowners differently on a case by case basis.

How can FERC accept these unfair and biased proposals by the ACP? Property owners are not a commodity that can be traded for profit. All men are created equal. All property owners must be treated equally, and their property must be returned in full.

This is unacceptable, and FERC cannot assume that the ACP will follow through on even these flimsy promises.

IND13-9: Contractual issues regarding the terms of easement agreements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

IND13-10

{ All land under easement needs to be fully returned to the landowners so that the landowner can have full and unrestricted use of all their land.

FERC is complicit in this unjust and coercive procedure, and FERC is legally responsible to remove this heavy burden from property owners.

FERC states that this SEIS cannot address easement issues. Nevertheless, this is a restoration and disposition plan, and disposition refers to disposition of the coerced easements. In fact the legal definition of “disposition” is “The action of distributing or transferring property or money to someone”.

FERC must require that the ACP release all easement agreements, and return all land taken from property owners as soon as possible.

**All pipe should be removed from the ground**

There is no purpose for the pipe in the ground, except for the ACP's convenience.

{ The ACP states that they will grout pipe that is under existing roadways, presumably to avoid pipe collapse and subsequent roadway collapse. I have not been able to determine what material will be used as grout, and if this option is chosen, FERC must verify that the grout is not toxic.

The ACP does not plan to grout pipe in other areas.

Pipe that has been placed in the ground will eventually collapse due to corrosion, and other physical forces. The pipe will not be equipped with corrosion limiting cathodic protection since it will not be carrying natural gas. The empty pipe may collapse faster than a pipe carrying natural gas due to increased corrosion from lack of cathodic protection.

IND13-11

{ When the pipe collapses the ground above it will cave in, and create a safety danger. Structures built above the pipe would be at great risk for structural damage, or collapse themselves.

The collapsed pipe will also intercept groundwater, and send it through the pipe to other downgrade locations. This would change natural groundwater flow patterns, and could dry up springs, wetlands, and even private drinking water wells, and springs.

The collapsed pipe could carry pollutants picked up by surface water that enters the pipe, and transport those pollutants to other locations, including the groundwater recharge area where pollutants could enter private drinking water wells and springs.

In section 3.1.2 of the SEIS FERC makes a number of blatantly incorrect and industry

IND13-10: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments may be addressed in an Amendment order.

IND13-11: Inserting grout into a segment of pipeline underlying a roadway is common practice. The inserted grout would not impact the environment as it would be contained within the capped pipe, as described in section 2.1.1.3 of the sEIS.

As stated in section 4.14 of the sEIS, should at some point in the future, the in-place pipe collapse, some amount of subsidence may occur; however, that subsidence may not be immediately observable due to changes in landscape appearance and topography over time.

The corrosion and deterioration of the abandoned pipe would not occur uniformly; and therefore, it is unlikely to serve as a conduit significantly redirecting subsurface water flow including subsurface waters that may contain pollutants.

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

IND13-12

biased arguments regarding leaving pipe in the ground.

- FERC states that removing pipe from the ground would impact the environment as much as putting the pipe in the ground. Putting the pipe into the ground involved much more environmental damage, with tree removal, disruption of the natural soil profile, possible redirection of groundwater, loss of wildlife habitat, and introduction of invasive species. Almost all of the environmental damage has already been done with pipe installation. Removing the pipe would contribute only a tiny fraction of environmental damage, and it could save environmental damage by stopping the redirection of groundwater and ground collapse that will occur with the pipe in the ground.

IND13-13

- FERC states that removing the pipe would require mobilizing contractors. This is not a bad thing. It would create jobs. In fact, FERC states in another part of the SEIS that restoration would create jobs worth \$1 million per week. Pipe removal would be part of that job creation. FERC argued for project approval years ago based in part on job creation. Now FERC takes an opposite argument.

IND13-14

In section 4.14 FERC makes further incorrect statements regarding leaving pipe in the ground.

- FERC states there would be no safety issues. They state that pipe collapse will be hard to predict, while at the same time stating that the pipe will collapse sometime in the future, and will result in ground subsidence. That's a safety issue, and the safety of persons in the future is as important as the safety of persons in the present. The future is not some abstract far removed concept. The future will be the present someday, and a collapsed pipe and ground subsidence will be a safety issue.

- FERC states that the fusion bonded epoxy coating will prevent pipe corrosion and eventual collapse. The coating works in conjunction with a cathodic protection system, which will not be installed on the pipes in the ground. Without cathodic protection the pipe will corrode more quickly, and has likely already corroded to some extent. The corrosion will lead to pipe collapse.

- FERC states that the Tox Strategies study proves that the fusion bonded epoxy coating on the pipes will not negatively impact human health or the environment.

The pipe coating contains numerous carcinogens and toxins which may enter the groundwater and be ingested through private drinking water wells and springs.

The Tox Strategies coating study of August 27, 2020 that was submitted to FERC for the ACP used questionable assumptions and modeling to state that there are no negative impacts to the public health or environment from the chalking coating. It did not speak to long term underground degradation or abrasion of the coating. My comments to FERC of September 18, 2020, Accession Number 202009185099 to the

IND13-12: Removing the pipeline was considered as an alternative in section 3.1.2 of the sEIS. As described in this section, we have determined that removing the pipeline would not offer a significant environmental advantage when compared to the proposed action to leave the installed pipe in place.

IND13-13: Section 4.10.1 of the sEIS identified that Atlantic's restoration program would have a payroll in the neighborhood of \$1,000,000 per week to accomplish its identified Restoration Plan. Neither the 2017 FEIS or this sEIS argue for or against the project, rather it presents the anticipated environmental impacts that would result from project implementation.

IND13-14: See response to comment IND13-11.



## INDIVIDUAL COMMENTS

IND13 – William F. Limpert

IND13-15: The future use of project assets by Atlantic is discussed in section 2.7.1 of the sEIS.

IND13-14  
(cont.)

ACP docket review those concerns, and rebut the Tox Strategies conclusion.

FERC would do well to conduct their own independent study of coating impacts to the public health and the environment, rather than rely on an industry hired contractor. FERC is ultimately responsible for any negative health or environmental consequences from the coating, both on the ACP pipes, and FERC approved pipes all across our country.

The coating that is on the pipes in the ground will degrade. Particulate matter from the coating will be released into the groundwater, and could be ingested through private drinking water wells and springs. This is especially concerning in karst areas, where groundwater pollution can easily travel to drinking water sources.

The volume of coating that threatens the groundwater and drinking water is significant. Assuming a coating thickness of 15 mils, or 15/1000 of an inch, which I believe is thinner than most, the total volume of coating is close to 950 cubic inches for each 40 foot 42 inch diameter segment of pipe. A baseball is around 13 cubic inches in volume. That amount of coating on the pipe that will enter the environment and groundwater would be the same volume as 73 baseballs for each 40 foot segment of pipe, or a little less than a baseball for each 6 inches of pipe.

That's a large amount of toxic material in the ground on a landowner's property, and in their private well or spring drinking water recharge area, which could enter their drinking water, and ultimately be ingested by them, and their family members on an ongoing basis.

Removal of the pipe from the ground would also allow the pipe to be inspected by the Pipeline and Hazardous Material Safety Administration, or other pipe safety experts, for general public safety concerns, including protective coating issues, welds, and leaks. This would be an important exercise to better understand pipe safety issues, especially since the ACP failed to follow the pipe coating manufacturer's recommendations to protect the pipe from ultraviolet light, heat, and humidity. Inspections that were conducted in the fall of 2017 found that most of the pipe coating that had been left in the sun was already degrading and chalking off the pipe at that time. Since then it may have further degraded to an unsafe condition.

"Buyer beware" to whoever ultimately bought that suspect pipe, and "citizen beware" if that pipe is installed on, or near their property.

Leaving the pipe in the ground is a waste of resources, and a waste of money. FERC should not tolerate ACP's wasteful throwaway plan.

IND13-15

The pipe should be repurposed, especially if the toxic coating is replaced.



## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

IND13-15  
(cont.)

It is possible that the pipe could be repurposed as a culvert to carry water under a road or driveway.

It is possible that the pipe may also be repurposed for geothermal purposes. Geothermal energy has almost unlimited potential, and it is clean, green energy, that emits no air pollution or greenhouse gases.

There are likely other ways in which the pipe could be repurposed.

The steel in the pipe could be recycled.

The pipe is expensive. The cost of the pipe for the ACP was around \$400,000,000. The cost of the 31.4 miles of pipe that is currently in the ground would, therefore, be over \$20,000,000, and each 40 foot length of 42 inch pipe would cost around \$5,000. A decline in the value of the pipe due to handling and exposure to ultraviolet light, and exposure to heat and humidity is likely, so the current value of the pipe is probably less than the above figures, but still high.

This money should not go to waste.

IND13-16

The ACP should be required to remove all pipe from the ground. Property owners should be advised why the pipe must be removed. The ACP should be required to offer the pipe to the affected property owner, or remove the pipe for repurposing.

All areas disturbed by pipe removal, and temporary storage, once removed, should be returned to original grade, and fully stabilized.

**Felled trees should be removed unless the property owner wishes otherwise**

Felled trees are a fire danger. Large numbers of felled trees in close proximity, now dry after several years since being cut, and located on steep slopes present a fire danger. This is a large amount of fuel that could ignite, and start a larger fire. A fire could damage more forest land, and any homes or buildings in its path.

IND13-17

We have seen the horrific impacts of climate change driven forest fires in the western United States in the past several years. The most recent UN IPCC report indicates that these events will get worse, as climate change inevitably accelerates, due to record levels of greenhouse gases in our atmosphere from the fossil fuel industry. Climate forecasts indicate in general that the eastern United States will not dry out like the west. Nevertheless, the variability in moisture regimes will increase, and it is highly likely that areas in the eastern United States could suffer intense periodic droughts and drying that could lead to devastating forest fires, as well as intense periods of precipitation leading to extreme flooding, as we have seen all too often in recent years.

IND13-16: The removal of installed pipeline is considered as an alternative to the proposed action in section 3.1.2 of the sEIS.

IND13-17: Comment noted. Felled trees are considered timber waste. However, the felled trees have degraded and become part of the ecosystem over the 3 years since felling, and revegetation is occurring. Removing felled trees would cause land use impacts, stress and injury to wildlife, and the potential for unstable soils (see section 3.1.3.2 of the sEIS). Therefore, we recommend in the sEIS the alternative to leave all felled trees as is.

## INDIVIDUAL COMMENTS

IND13 – William F. Limpert

IND13-17  
(cont.)

Gatlinburg Tennessee suffered a devastating forest fire in 2016 due to dry conditions and very heavy winds. That fire killed 14 persons, injured 175, caused 14,000 to evacuate, and damaged over 2,000 buildings.

FERC must understand that eastern fires can be devastating

The ACP should be required to advise property owners of this danger, and remove the felled trees if the property owner so chooses.

The timber value of these trees has been destroyed, since the trees have been lying on the ground for several years.

Nevertheless, the wood still has value. Many property owners in rural areas along the ACP route heat their homes with firewood, or supplement their heating needs with firewood. Firewood is a valuable resource that is carbon and climate change neutral. It doesn't have to be transported over long distances. It does produce unhealthful particulate matter, but with today's more efficient stoves, and low population density in rural areas that threat is substantially reduced. The ACP should be required to cut the felled trees into firewood for the property owner, or others in the community, if requested to do so by the property owner.

### **Invasive plant species should be removed and monitored**

Invasive plant species are a major problem where land has been disturbed, or trees have been felled.

One study found that invasive species comprised 80% of vegetation on land reclaimed from mountain top removal sites. Invasive species outcompete, outgrow, and crowd out most native species. They do not provide food and nutrition for native animals as native plants do.

ACP land disturbance and tree felling has opened the door for invasive plant species.

The ACP should be required to remove all invasive plant species from areas of land disturbance or tree felling. The landowner should be allowed to reject the use of herbicides to remove endangered plant species. Other removal methods as approved by the U.S. Department of Agriculture that do not harm remaining native species should be allowed.

Invasive species should be monitored and removed for a period of no less than 5 years.

### **Endangered species habitat and populations must be restored**

IND13-18

IND13-18: As stated previously and in section 2.6.1 of the sEIS, upon the receipt of an Order, Atlantic and EGTS would treat and monitor invasive species as required by the measures contained in the FERC Plan and their *Non-Native Invasive Plant Species Management Plan (Rev. 5)*. This includes addressing invasive plant infestations during restoration and treatment (mowing or herbicide treatment) to control and prevent the spread of invasive plants to adjacent lands (see sections 4.6.1 and 4.6.2 of the sEIS).

## INDIVIDUAL COMMENTS

IND13 – William F. Limpert

IND13-19

Habitat for endangered species that was impacted by tree felling or land disturbance should be restored, maintained, and monitored by methods that are approved by the landowner, and the U.S. Fish and Wildlife Service for a period of not less than 5 years.

This may involve tree and shrub planting, and planting of food sources for endangered species.

If endangered species have been killed as a result of tree felling or land disturbance, the species should be re-introduced to the property per U.S. Fish and Wildlife Service guidelines once habitat restoration is suitable for their survival, with no time limitations, other than for habitat restoration.

**Steep slopes must be monitored for slippage, and repaired if needed**

Slopes greater than 30% that were impacted by tree felling or land disturbance should be monitored for slippage and landslides for a period of no less than 10 years. Slippage or landslides must be repaired per established engineering standards, and monitored for a period of not less than 5 years after the repair.

IND13-20

Section 4.1.3 of the SEIS calls for only 3 years of slope monitoring. This is not sufficient, especially considering increased precipitation events from fossil fuel included climate change. Heavy precipitation is the main driver of landslides and land slippage.

The landowner should have the option of having the monitoring and/or repair completed by the ACP, or by a geologist who is unaffiliated with the ACP, and trained in land slippage inspection, repair, and mitigation.

Land slippage on slopes less than 30% that were impacted by tree felling or land disturbance and have slipped as a result of those activities must also be repaired. A geologist, unaffiliated with the ACP, and trained in land slippage issues should be available to determine if ACP tree felling, or land disturbance caused the slippage.

IND13-21

Section 4.1.1 of the SEIS states that restoration of slopes to pre-construction conditions may not occur, and it is likely that many slopes will be permanently affected, and not restored. This is not acceptable, and it is another about face for FERC. FERC's environmental impact statement advised that all disturbed areas would be returned to original grade...and now FERC advises otherwise.

I believe, in general, that steep areas that have been disturbed should not be redisturbed, unless signs of slippage are evident, or a geologist trained in land slippage issues indicates that future slippage is likely. As a general rule of thumb, steep slopes should be avoided, unless they are going to fail.

FERC should not have allowed these areas to be disturbed in the first place.

IND13-19: FERC's consultation with the FWS under section 7 of the Endangered Species Act is ongoing for all federally listed species. Reintroduction of listed species would only occur under the direction and jurisdiction of the FWS.

IND13-20: As discussed in the 2017 FEIS and the sEIS, we have found that Atlantic's compliance with the monitoring provisions of our Plan and Procedures has been acceptable.

IND13-21: As described in section 4.1.1 of the sEIS, it has been our experience that restoration of steep slopes to pre-construction conditions is difficult and that it is likely that many slopes would be permanently affected. However, while restoration to pre-construction conditions may be difficult, stabilization is reasonably achievable to minimize the potential for slips and associated environmental resource impacts. We find this to be acceptable.

## INDIVIDUAL COMMENTS

IND13 – William F. Limpert

IND13-22

**Full restoration and disposition will not be achieved**

Complete and satisfactory restoration of the environment and properties damaged by the extensive land disturbance and tree felling cannot be achieved. The damage that has occurred is extensive, and the negative environmental impacts will remain beyond all of our lifetimes.

Over 5 square miles of trees have been cut down. These trees provided wildlife habitat, clean water, flood protection, temperature stability, soil stability, lumber, firewood, natural beauty, and oxygen, while sequestering carbon, and helping to slow the increasing impacts of climate change. Some of these felled forests will not be returned to their former condition for over 100 years, if ever.

Where land disturbance has occurred natural soil profiles have been forever altered, topsoil has been lost, sediment has polluted receiving waters, and land slippage has left slopes in a condition where they may collapse in a landslide that may damage homes and structures, and could result in injury or death.

Wildlife habitat, including habitat essential to endangered species, has been destroyed. Impacts to waterways have negatively affected fisheries and aquatic life.

The human toll from this destructive project may be even more devastating. Thousands of property owners have had their private property invaded by ACP surveyors, consultants, and altered forever by destructive ACP tree felling, and construction activities.

Most of these citizens have lived under the threat of their property being taken away from them, and a dangerous gas pipeline being placed near their homes for up to six years.

Property owners who followed all the rules, and communicated legitimate concerns to FERC or the ACP were routinely ignored, and left in a defenseless position.

Now, even after the project has been cancelled, their property is still not their own. They cannot use it as they wish. The value of their property remains severely deflated.

Worse yet, they continue to live in continuing fear that another pipeline will come through their property because the ACP has not released the easement agreements.

The incredible waste and human suffering from FERC's approval of this unjust, unneeded, and destructive project will never be completely remedied.

FERC is fully responsible for this environmental and human tragedy, and FERC needs

IND13-22: FERC environmental staff agrees that restoration of the environment may not be completely or satisfactorily achieved, as our recommendation includes leaving previously felled trees in place, unless the landowner requests otherwise. However, as described in the 2017 FEIS and sEIS, Atlantic has committed to restore affected lands. Based on the subjective nature of "landowner satisfaction," FERC staff uses the Certificate Order and any attached conditions to assess environmental compliance and restoration success. For example, staff's environmental recommendation No. 1 would require Atlantic and EGTS to follow the construction and restoration procedures and mitigation measures described in their applications and supplements for their respective Restoration Projects, as well as any remaining applicable measures identified in the 2017 FEIS.

## INDIVIDUAL COMMENTS

IND13 – William F. Limpert

IND13-23: Issues such as reparations are not environmental issues and therefore are outside the scope of the sEIS.

IND13-23

to reduce the damage and pain and suffering that they have orchestrated by requiring that all easement agreements are removed, and assuring maximum restoration of all lands impacted by tree felling or land disturbance.

**FERC must pay reparations**

FERC must pay reparations to all property owners. The reparations should include payment for all health costs, including mental health costs, that were brought about by the trauma of the attack on their property.

They should include payment for all legal fees property owners incurred in defending their property.

They should include payment for all expenses, including travel expenses incurred in defending their property.

They should include payment for all of the time they spent defending their property.

This is time lost.

This is time they can never regain.

This is time that they could have been better spent enjoying life with family, travel, hobbies, gardening, assisting others through volunteer work, or making positive contributions to our society, rather than time spent in a desperate fight to save their property.

**FERC is responsible for wasted effort, time and money**

I have been thinking back on how wasteful the ACP has been for all parties. This waste covers seven years, and counting. It will continue at a minimum for a number of years into the future.

Property owners were required to spend years and untold amounts of money defending their property against an unjust, unneeded, and very destructive project.

FERC employees spent many hours propping up this project.

Federal, state, and local governments spent many hours and taxpayer dollars reviewing this project.

Consultants spent many hours reviewing aspects of this project.

The ACP spent many hours on this project, and it is likely that affiliated ratepayers paid

## INDIVIDUAL COMMENTS

### IND13 – William F. Limpert

more for their energy use as a result of the wasted ACP expenditures.

This has been an incredible waste of at least tens of billions of dollars. It has been a waste of the lives all impacted property owners, those nearby, and those volunteers who worked so hard to help them in their time of need. It has been a waste for all individuals who worked for, or against this project.

Imagine how better off our society would be if we had not been forced to endure this waste, and instead were able to pursue more worthwhile pursuits.

Imagine if this amount of money and effort had gone into renewable energy projects to protect us against fossil fuel driven climate change, and to protect our health from pollution from burning fossil fuels.

Imagine if this money and effort had gone into putting electric lines underground so that nearly 1 million people in Louisiana would not have lost their electricity, water, and air conditioning following fossil fuel driven category 4 Hurricane Ida.

Imagine if this money and effort had gone into improving our infrastructure in order to save the 50 people in the northeast who died during Hurricane Ida, and others across our country from fossil fuel driven weather extremes.

Imagine if this money and effort had gone into improving the lives of everyday Americans, instead of lining the pockets of the rich and powerful.

Thank you for the opportunity to comment.

William F. Limpert  
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301-416-0571

# INDIVIDUAL COMMENTS

## IND14 – Thelma Garbutt

Document Accession #: 20210913-5200 Filed Date: 09/13/2021

Thelma Sharon Garbutt, Pittsboro, NC.  
Commissioners,

I would like to offer the following comments on FERC's Draft Supplemental Environmental Impact Statement for the Atlantic Coast Pipeline Restoration Project and Supply Header Restoration Project.

â€¢FERC granted eminent domain to facilitate the taking of easements specifically for the ACP pipeline. Now that the pipeline has been cancelled, it is up to FERC to ensure that the easements obtained by eminent domain are rightfully returned to the landowners. Due to the financial impacts to landowners from having their land held in easement and because of the adverse impacts to their enjoyment of their property, land taken for easements must be returned as quickly as possible.

â€¢A Dominion Energy spokesperson (Aaron Ruby) has stated that landowners received fair compensation for their property and that 95% of landowners signed agreements voluntarily. It is hard to understand the basis of this statement, since some landowners have indicated that they accepted agreements because of the threat of perhaps receiving less compensation with eminent domain.

â€¢Although temporary easements were taken for construction purposes, Dominion has indicated it intends to keep these temporary easements for at least 3-5 years. These temporary easements were approved only for construction which now will not take place, so it is up to FERC to require that they be returned immediately to landowners.

â€¢Approximately 370 miles of the pipeline easements were not impacted by any construction activity. It is up to FERC to ensure that these easements are returned immediately to the landowners. If the unimpacted easements are needed to reach other sections that have been impacted, it is up to FERC to assure that Dominion/Duke do so with minimal impact to easements and to assure that Duke/Dominion provide a plan that requires minimum transverse of unimpacted easements.

FERC enabled Duke and Dominion to take land from often unwilling landowners for public â€œconvenience and necessityâ€ related to the building of the ACP pipeline. The pipeline has been cancelled. If there ever was a public â€œconvenience and necessityâ€ relative to the pipeline, the need no longer exists.

I know a landowner whose land was threatened by the ACP. The last few years of his life have been spent trying to defend his land against destruction by Duke and Dominion. Thankfully, he resisted the threats made on his land and never agreed to cave-in and sign a contract for an easement through his land, but it took determination, persistence and courage for him to preserve his land against the aggressive tactics employed by the ACP. I firmly believe other landowners had the same experience and finally gave up and signed away their land.

Landowners have made it very clear that the easements restrict their enjoyment of their property and in some instances prevent them from using their land for economic gain for example by farming or by selling their property. Nelson County, Va. officials worry that the County will lose tax dollars since the easements will decrease the value of the land.

I urge FERC to require that Duke/Dominion release the easements at the written request from affected landowners.

Thank you for your consideration,  
Thelma Sharon Garbutt

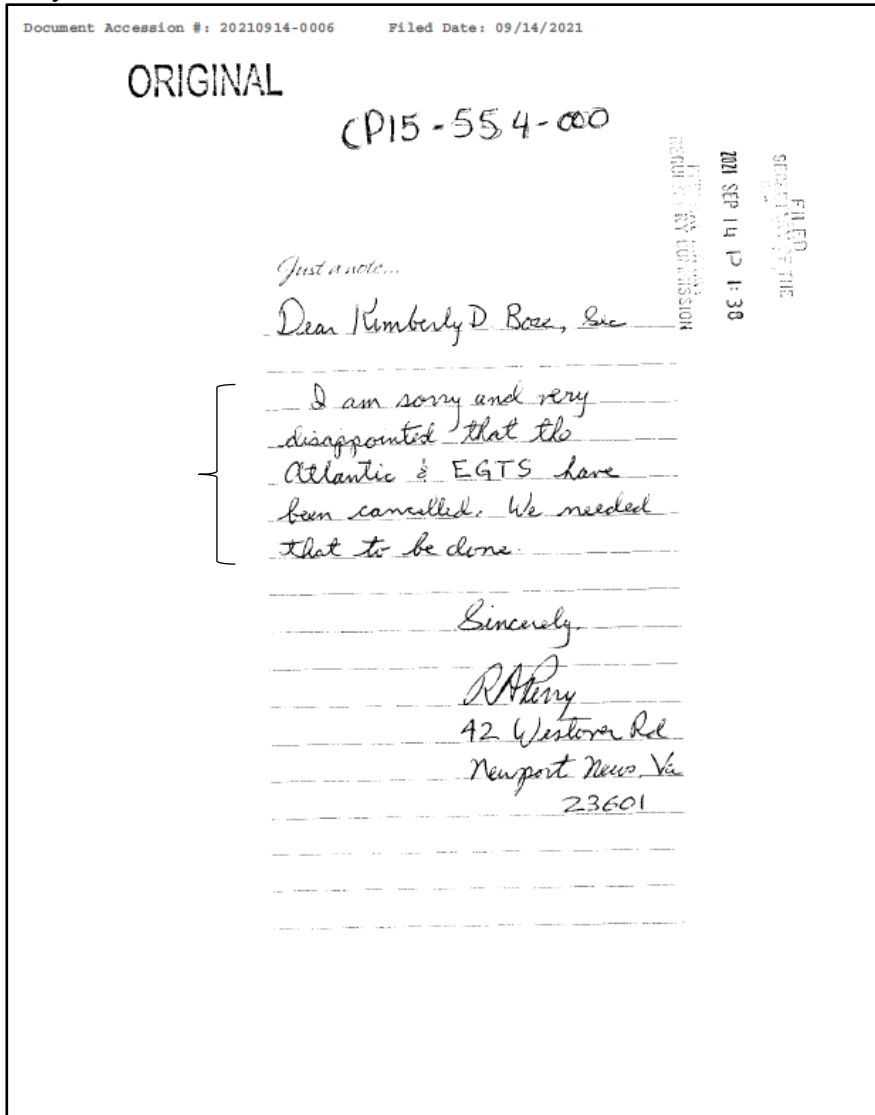
IND14-1

IND14-1: Contractual issues regarding the disposition of easements are not environmental issues and therefore are outside the scope of the sEIS. To the extent appropriate, these comments will be addressed in an Amendment order.

INDIVIDUAL COMMENTS

IND15 – R A Perry

IND15-1: Comment noted.




IND15-1



# APPLICANT COMMENTS

## APL01 – Eastern Gas Transmission and Storage, Inc.

Document Accession #: 20210913-5148 Filed Date: 09/13/2021

**EASTERN**  
GAS TRANSMISSION AND STORAGE  
A BERKSHIRE HATHAWAY ENERGY COMPANY

Eastern Gas Transmission and Storage, Inc.  
6603 West Broad Street  
Richmond, VA 23230

September 13, 2021

**Via eFiling**

Kimberly D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street, N.E.  
Washington, D.C. 20426

**Re: Eastern Gas Transmission and Storage, Inc.  
Supply Header Project  
Docket Nos. CP15-555-000 & CP15-555-007  
Comments on the Draft Supplemental Environmental Impact Statement**

Dear Secretary Bose:

By Order dated October 13, 2017, the Federal Energy Regulatory Commission (Commission or FERC) authorized Dominion Energy Transmission, Inc. (DETI) to construct and operate certain facilities that comprise the Supply Header Project. 161 FERC ¶ 61,042 (the Order). On November 1, 2020, Dominion Energy sold certain companies including DETI to Berkshire Hathaway Energy Company. DETI subsequently changed its name to Eastern Gas Transmission and Storage, Inc. (Eastern GTS or EGTGS).

On March 2, 2021, FERC issued a Notice of Amendment of Certificates and Opening of Scoping Period (Accession No. 20210302-3019) based on the Supply Header Project Restoration Plan filed on November 20, 2020 (Accession No. 20201120-5243). On July 23, 2021 FERC issued a Draft Supplemental Environmental Impact Statement (EIS) for the Supply Header Restoration Project (Accession No. 20210723-3006). Eastern GTS agrees with FERC staff's recommended mitigation with regards to the Supply Header Restoration Project (with one clarification, included in the attached comment). Eastern GTS looks forward to the issuance of the Final Supplemental EIS on November 19, 2021, as set forth in the Notice of Schedule for Environmental Review (Accession No. 20210504-3044).

Promptly upon issuance of the Final Supplemental EIS, Eastern GTS respectfully requests that the Commission issue an independent Order in Docket No. CP15-555-000, directing that the Supply Header Restoration Project move forward to secure the benefits of site restoration as soon as practicable. Eastern GTS submits that the Supply Header restoration should proceed, independent of any considerations applicable to the Atlantic Coast Pipeline Restoration Project. A separate order is particularly appropriate under these circumstances because these restoration projects are now wholly independent. The Supply Header Restoration Project is very small in scope, and the substantive recommendations of the Draft Supplemental EIS align with the Supply Header Restoration Project as proposed in total. Furthermore, the Endangered Species Act

## APPLICANT COMMENTS

### APL01 – Eastern Gas Transmission and Storage, Inc. (cont.)

Document Accession #: 20210913-5148 Filed Date: 09/13/2021



Eastern Gas Transmission and Storage, Inc.  
8603 West Broad Street  
Richmond, VA 23230

consultation and restoration activities for the Supply Header Restoration Project are separate and would occur in a relatively very short timeframe. As such, Eastern GTS can commence restoration activities with limited further conditions, which is environmentally preferable.

If you have any questions, please contact me at 866-319-3382.

Respectfully submitted,

/s/ Matthew R. Bley

Matthew R. Bley  
Director, Gas Transmission Certificates

Attachment

cc: Julia Yuan, FERC  
Service List

**APPLICANT COMMENTS**

APL01 – Eastern Gas Transmission and Storage, Inc. (cont.)

APL01-1

Comments on the Draft Supplemental Environmental Impact Statement (DSEIS)				Eastern Gas Transmission and Storage, Inc. (EGTS) Supply Header Project CP15-555-000 & CP15-555-007
Item No.	Topic	Page(s) # in the DSEIS	Statement(s)/Information in the DSEIS	EGTS's Comment
1	FERC Staff's Recommended Mitigation	5-3	"6. Within 5 days of receipt of a water quality certification issued by the WVDEP, EGTS shall file the complete certification, including all conditions, and all conditions attached to the water quality certification constitute mandatory conditions of this Order. Prior to restoration activities, EGTS shall file, for review and written approval by the Director of OEP, or the Director's designee, any revisions to its project design necessary to comply with the water quality certification conditions."	For West Virginia, the 401 Water Quality Certificate is provided in the Nationwide Permit (NWP) #12 Verification. The original NWP #12 Verification will be reinstated by the U.S. Army Corps of Engineers Huntington District once Section 7 Consultation is completed with the U.S. Fish and Wildlife Service, and will cover the proposed restoration activities.  For Pennsylvania, the existing Water Quality Certificate is still in place and covers the proposed restoration activities.

APL01-1: This recommendation has been revised to indicate that the 401 water quality certification issued by the West Virginia Department of Environmental Protection shall be filed once the Nationwide Permit 12 verification issued by the U.S. Army Corps of Engineers is reinstated.