



**North Carolina Department of Natural and Cultural Resources**  
**State Historic Preservation Office**

Ramona M. Bartos, Administrator

Governor Roy Cooper  
Secretary Susi H. Hamilton

Office of Archives and History  
Deputy Secretary Kevin Cherry

May 7, 2019

Richard Gangle  
Dominion Energy Group  
5000 Dominion Boulevard  
Glen Allen, VA 23060

Re: Phase I Historic Architecture Survey Report, Addendum 9, Atlantic Coast Pipeline,  
Multi County, ER 14-1475

Dear Mr. Gangle:

Thank you for your letter of March 28, 2018, transmitting the above-referenced survey update.

We have reviewed the report and note that there will be no historic properties affected at the fifteen new project feature areas which include access roads, additional temporary workspaces, and a mat yard.

The above comments are made pursuant to Section 106 and 110 of the National Historic Preservation Act and the Advisory Council on Historic Preservation's Regulations for Compliance with Section 106 codified at 36 CFR Part 800.

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](mailto:environmental.review@ncdcr.gov). In all future communication concerning this project, please cite the above referenced tracking number.

Sincerely,

A handwritten signature in blue ink that reads "Renee Gledhill-Earley".

for Ramona M. Bartos

cc: Spencer Trichell, Dominion Energy, [spencer.trichell@dominionenergy.com](mailto:spencer.trichell@dominionenergy.com)  
Staci Rogge, Dominion Energy, [staci.l.rogge@dominionenergy.com](mailto:staci.l.rogge@dominionenergy.com)

Received: 04/05/2019

State Historic Preservation Office

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



March 28, 2019

ER 14-1475

Rene Gledhill-Earlery  
State Historic Preservation Office  
109 East Jones Street, Room 258  
Raleigh, NC 27601

Due -- 4/29/19

**Subject: Section 106 Review - Phase I Historic Architecture Survey Report Addendum 9  
Atlantic Coast Pipeline, LLC, Atlantic Coast Pipeline Project**

s. letter  
KBT  
3/3/19

Dear Ms. Gledhill-Earley,

On behalf of Atlantic Coast Pipeline, LLC (Atlantic), Dominion Energy Transmission, Inc. (DETI) is requesting review and comment on the enclosed addendum architecture survey report, which reports on investigations conducted for the proposed Atlantic Coast Pipeline (ACP). The Federal Energy Regulatory Commission (FERC) is the lead Federal agency for this Project. Atlantic's consultant, ERM, conducted the survey and prepared the enclosed report pursuant to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended.

Atlantic appreciates your comments on the enclosed document and looks forward to continuing to work with you on this project. If you have any questions regarding the enclosed report, please contact Spencer Trichell at (804) 273-3472 or [Spencer.Trichell@dominionenergy.com](mailto:Spencer.Trichell@dominionenergy.com), or by letter at:

Spencer Trichell  
Dominion Energy Services, Inc.  
5000 Dominion Boulevard  
Glen Allen, Virginia 23060

Respectfully submitted,

A handwritten signature in blue ink, appearing to read "R. Gangle".

Richard B. Gangle  
Director Environmental Services

**Enclosure:** Phase I Historic Architecture Survey Report Addendum 9, CD

cc: Spencer Trichell (Dominion)  
Stephanie Collins (Dominion)  
John Eddins (Advisory Council on Historic Preservation)  
Archie Lynch (Tribal Administrator, Haliwa-Saponi)



**PHASE I HISTORIC ARCHITECTURAL SURVEY OF THE  
ATLANTIC COAST PIPELINE PROJECT**

**North Carolina Addendum 9 Report**



Prepared by



March 2019

**PHASE I HISTORIC ARCHITECTURAL SURVEY OF THE  
ATLANTIC COAST PIPELINE PROJECT**

**North Carolina Addendum 9 Report**

***Draft***

Prepared for

Atlantic Coast Pipeline, LLC  
701 E. Cary Street,  
Richmond, VA 23219

Prepared by

ERM  
3300 Breckinridge Boulevard  
Suite 300  
Duluth, GA 30096

Emily Tucker-Laird, Principal Investigator

Report prepared by

Anna Downing, Jeffrey L. Holland, and Larissa A. Thomas, Ph.D.

March 2019

## **ABSTRACT**

This report presents the results of a Phase I historic architectural survey conducted in association with the Atlantic Coast Pipeline, LLC (Atlantic) Atlantic Coast Pipeline (ACP) project (Project). Dominion Energy Transmission, Inc. will build and operate approximately 600 miles of natural gas transmission pipeline and associated laterals on behalf of Atlantic, which is a company consisting of subsidiaries of Dominion Energy Inc., Duke Energy, Piedmont Natural Gas, and Southern Company Gas. The pipeline system extends from West Virginia to southern North Carolina, and the Project will also include access roads, meter stations, compressor stations, and other above-ground facilities. This document presents findings related to the segment of the pipeline corridor in North Carolina, which is approximately 198 miles long. It traverses Northampton, Halifax, Nash, Wilson, Johnston, Sampson, Cumberland, and Robeson counties, and includes the trunk line (approximately 186 miles) and a portion of one lateral (approximately 12 miles). The Area of Potential Effects (APE) includes the 300-foot-wide survey corridor that will encompass the construction zone and the permanent pipeline right-of-way for the proposed pipeline, the footprints for access roads and other facilities associated with the Project, and areas of potential indirect (visual) effects that lie within line of sight of proposed aboveground facilities and landscape changes due to clearing of vegetation or other impacts associated with construction. The Federal Energy Regulatory Commission is the lead federal agency, and work is being conducted pursuant to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended.

The current document contains survey results for 15 new Project features. No new resources were identified within the APE, which resulted in negative findings.

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## INTRODUCTION

This report presents the results of a Phase I historic architectural survey conducted in association with the Atlantic Coast Pipeline, LLC (Atlantic) Atlantic Coast Pipeline (ACP) project (Project). Dominion Energy Transmission, Inc. proposes to build and operate approximately 600 miles of natural gas transmission pipeline and associated laterals on behalf of Atlantic, which is a company consisting of subsidiaries of Dominion Energy Inc., Duke Energy, Piedmont Natural Gas, and Southern Company Gas. The pipeline system extends from West Virginia to southern North Carolina, and the Project will also include access roads, meter stations, compressor stations, and other above-ground facilities. This document presents findings related to the segment of the pipeline corridor in North Carolina, which is approximately 198 miles long. It traverses Northampton, Halifax, Nash, Wilson, Johnston, Sampson, Cumberland, and Robeson counties and includes the trunk line (approximately 186 miles) and a portion of one lateral (approximately 12 miles) (Figure 1). The Area of Potential Effects (APE) includes the 300-foot-wide survey corridor that will encompass the construction zone and the permanent pipeline right-of-way for the proposed pipeline, the footprints for access roads and other facilities associated with the Project, and areas of potential indirect (visual) effects that lie within line of sight of proposed above-ground facilities and landscape changes due to clearing of vegetation or other impacts associated with construction.

The Federal Energy Regulatory Commission (FERC) is the lead federal agency, and work was conducted pursuant to the requirements of Section 106 of the National Historic Preservation Act of 1966, as amended. Section 106 requires federal agencies to consider the effects of their undertakings (including the issuance of Certificates) on properties listed in or eligible for listing in the National Register of Historic Places (NRHP). Dominion Energy Transmission, Inc., as a non-federal party, is assisting FERC in meeting its obligations under Section 106 by preparing the necessary information, analyses, and recommendations as authorized by 36 C.F.R. § 800.2(a)(3). Environmental Resources Management (ERM) is conducting Phase I historic architectural investigations to gather information on historic properties that could be affected by the Project in support of the Section 106 consultation process.

Dovetail Cultural Resource Group (Dovetail) conducted initial portions of the historic architectural surveys for this Project (Sandbeck et al. 2016; Staton and Brooks 2016). ERM conducted further architectural surveys for this Project (Tucker-Laird et al. 2016, 2017, 2018a, 2018b, 2018c; Voisin George et al. 2016, 2017a). ERM also prepared a supplemental report that summarizes findings from previous survey work and provided assessment of effects discussions for all of those resources in the APE for the final Project alignment that are eligible for the NRHP (Voisin George et al. 2017b).

The current document contains survey results for 15 new Project features (Appendix A). No historic resources were identified within the APE.



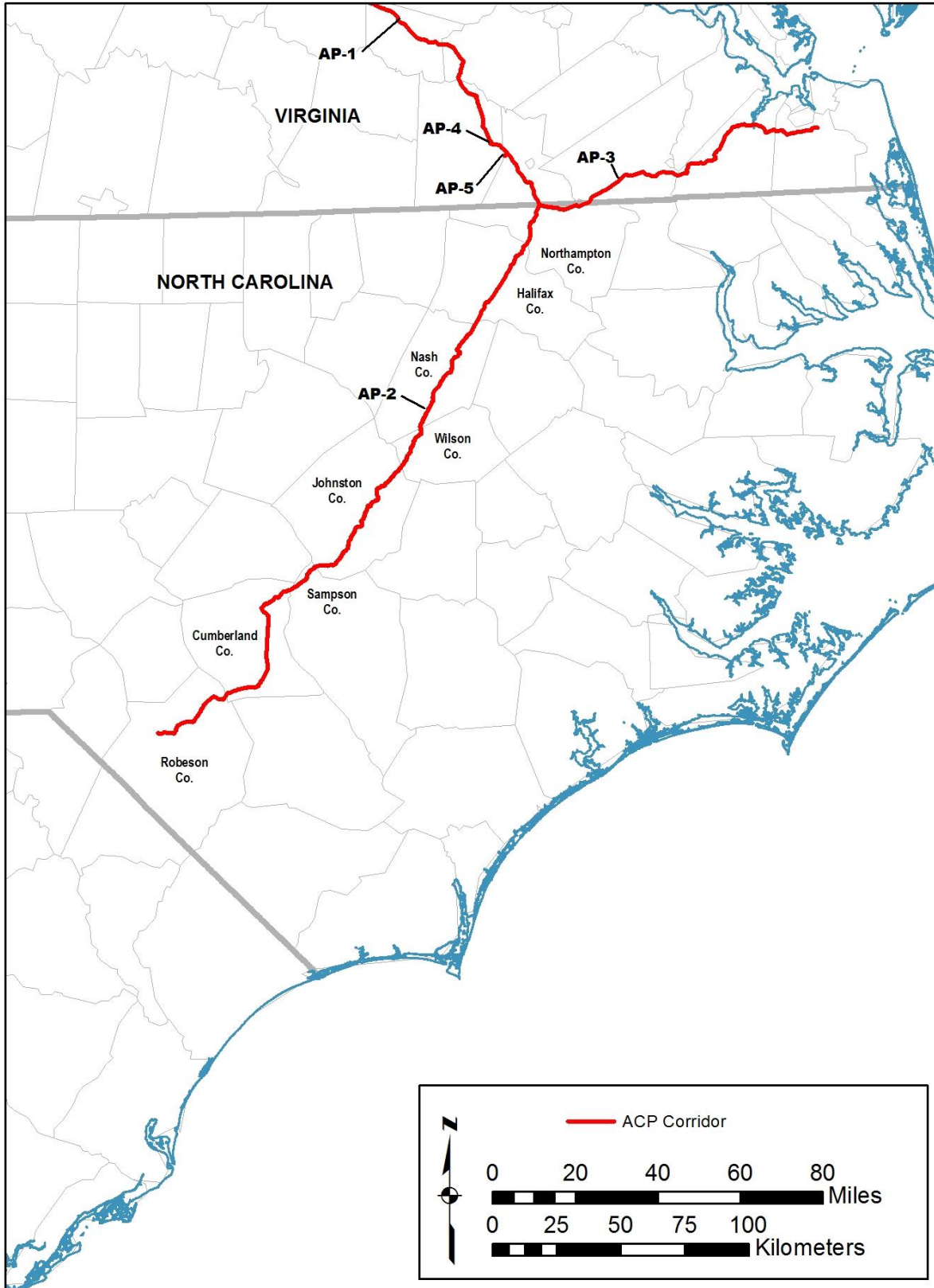


Figure 1. General overview of the Project corridor.



## **METHODS**

### **BACKGROUND RESEARCH**

Before field investigations for historic resources were initiated, a file search was conducted for previously identified historic resources, along with information on properties listed in or nominated to the NRHP, within a 0.5-mile buffer of the proposed Project corridor (Voisin George et al. 2016). ERM collected information on resources maintained by the North Carolina State Historic Preservation Office (SHPO). The purpose of the search was to identify resources that might be located within the APE, and to anticipate the types of resources likely to be encountered in the region.

### **FIELD SURVEY METHODS**

An APE is defined as “the geographic area or areas within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, if any such properties exist” (36 C.F.R. § 800.16[d]). The APE for the current Project includes possible areas of direct construction effects within a 300-foot corridor encompassing the centerline of the proposed pipeline, as well as within the footprint of the associated pipeline facilities. The APE also includes areas of potential visual effects on identified historic structures from changes to the setting created by construction of new facilities, clearing of vegetation, and/or other modifications to the landscape. Thus, the APE extends into areas surrounding the Project containing historic resources within line-of-sight of changes that will derive from the proposed undertaking.

The current field effort covered the APE associated with each proposed Project facility. ERM architectural historians surveyed the surrounding area for historic properties determined to be 50 years or older, reviewing maps and aerial imagery, and relying on observations from pedestrian survey of the Project facilities and windshield survey from public roads in the vicinity of the Project locations.

### **NRHP EVALUATION**

Sufficient information was collected to make recommendations for the historic resources identified during the Project regarding eligibility for listing on the NRHP. According to 36 C.F.R. § 60.4 (Andrus and Shrimpton 2002), cultural resources eligible for listing on the NRHP are defined as buildings, structures, objects, sites, and districts that have “integrity” and that meet one or more of the criteria outlined below. Criterion D is typically relevant to archaeological sites.

Criterion A (Event). Association with one or more events that have made a significant contribution to the broad patterns of national, state, or local history.

Criterion B (Person). Association with the lives of persons significant in the past.

Criterion C (Design/Construction). Embodiment of distinctive characteristics of a type, period, or method of construction; or representation of the work of a master; or possession of high artistic values; or representation of a significant and distinguishable entity whose components may lack individual distinction.

Criterion D (Information Potential). Properties that yield, or are likely to yield, information important in prehistory or history. Criterion D is most often (but not exclusively) associated

with archaeological resources. To be considered eligible under Criterion D, sites must be associated with specific or general patterns in the development of the region. Therefore, sites become significant when they are seen within the larger framework of local or regional development.

“Integrity” is perhaps the paramount qualification of NRHP eligibility, and can be related to any or all of the following (Andrus and Shrimpton 2002):

Location: the place where the historic property (or properties) was/were constructed or where the historic event(s) occurred;

Design: the combination of elements that create the form, plan, space, structure, and style of a property (or properties);

Setting: the physical environment of the historic property (or properties);

Materials: the physical elements that were combined to create the property (or properties) during the associated period of significance;

Workmanship: the physical evidence of the crafts of a particular culture or people during any given period in history or prehistory;

Feeling: the property’s (or properties’) expression of the aesthetic or historic sense of the period of significance; and

Association: the direct link between the important historic event(s) or person(s) and the historic property (or properties).

Ordinarily cemeteries, birthplaces, or graves of historical figures, properties owned by religious institutions or used for religious purposes, structures that have been moved from their original locations, reconstructed historic buildings, properties primarily commemorative in nature, and properties that have achieved significance within the past 50 years shall not be considered eligible for the NRHP (Andrus and Shrimpton 2002). However, such properties will qualify if they are integral parts of districts that do meet the criteria or if they fall within the following categories:

- Consideration A: A religious property deriving primary significance from architectural or artistic distinction or historical importance; or
- Consideration B: A building or structure removed from its original location, but which is significant primarily for architectural value, or which is the surviving structure most importantly associated with a historic person or event; or
- Consideration C: A birthplace or grave of a historical figure of outstanding importance if there is no appropriate site or building directly associated with his or her productive life; or
- Consideration D: A cemetery which derives its primary significance from graves of persons of transcendent importance, from age, from distinctive design features, or from association with historic events; or

- Consideration E: A reconstructed building when accurately executed in a suitable environment and presented in a dignified manner as part of a restoration master plan, and when no other building or structure with the same association has survived; or
- Consideration F: A property primarily commemorative in intent if design, age, tradition, or symbolic value has invested it with its own exceptional significance; or
- Consideration G: A property achieving significance within the past 50 years if it is of exceptional important.

## RESULTS

This chapter presents the findings for the current survey effort.

## NEGATIVE FINDINGS

The current document contains survey results for 15 new Project features. There are no historic architectural findings for the APE associated with each Project feature. These Project facilities and findings are summarized below (Table 1).

TABLE 1.				
Summary of Features in the APE				
Feature Name	Feature Type	Map Sheet	Milepost	Results
<b><i>Nash County</i></b>				
18-096-AR 1	Access Road	Appendix A, Sheet 1	49.3	No historic structures
ATWS adjacent to AR 18-096-AR1	ATWS	Appendix A, Sheet 1	49.3	No historic structures
Watersource Variance	Access Road	Appendix A, Sheet 1	50.6	No historic structures
ATWS AP-2 MP 50.6	ATWS	Appendix A, Sheet 1	50.6	No historic structures
<b><i>Johnston County</i></b>				
AR AP-2 MP 94.5	Access Road	Appendix A, Sheet 2	94.5	No historic structures
AR AP-2 MP100.9	Access Road	Appendix A, Sheet 3	100.9	No historic structures
AR AP-2 MP105.3-	Access Road	Appendix A, Sheet 4	105.3	No historic structures
<b><i>Sampson County</i></b>				
ATWS AP-2 MP121.8	ATWS	Appendix A, Sheet 5	121.8	No historic structures
<b><i>Cumberland County</i></b>				
Swamp Road	Access Road	Appendix A, Sheet 6	132.8	No historic structures
AR AP-2 MP140.4	Access Road	Appendix A, Sheet 7	140.4	No historic structures
AR AP-3 MP142.1	Access Road	Appendix A, Sheet 7	142.1	No historic structures
AR ATWS South side of Hwy 24	ATWS	Appendix A, Sheet 7	142.2	No historic structures
AR AP-2 MP146.3	Access Road	Appendix A, Sheet 8	146.3	No historic structures
Shaw Mill Mat Yard Spr 10	Mat Yard	Appendix A, Sheet 9	N/A	No historic structures
<b><i>Robeson County</i></b>				
PAR 24-030.AR3	Access Road	Appendix A, Sheet 10	168.4–168.6	No historic structures

## SUMMARY AND RECOMMENDATIONS

A total of 15 new Project features were reviewed during the current effort. No historic resources were identified within the associated APE, which resulted in negative findings.

## REFERENCES

Andrus, Patrick W. (and edited by Rebecca H. Shrimpton)

2002 *How to Apply the National Register Criteria for Evaluation*. National Register Bulletin 15, U.S. Department of the Interior, National Park Service, Washington D.C. <http://www.cr.nps.gov/nr/publications/bulletins/nrb15/>. Accessed April 7, 2016.

Sandbeck, Penne S., Emily K. Anderson, Adriana T. Lesiuk, Michelle Salvato, and Heather D. Staton

2016 Architectural Reconnaissance Survey of the Atlantic Coast Pipeline Project Corridor, Northampton, Halifax, Nash, Wilson, Johnston, Sampson, Cumberland, and Robeson Counties, North Carolina. Report prepared by Dovetail Cultural Resource Group, Fredericksburg, Virginia. Report prepared for Atlantic Coast Pipeline, Richmond, Virginia.

Staton, Heather D., and LeeAnne Brooks

2016 Addendum Architectural Reconnaissance Survey of the Atlantic Coast Pipeline Project Corridor, Northampton, Halifax, Nash, Wilson, Johnston, Sampson, Cumberland, and Robeson Counties, North Carolina. Report prepared by Dovetail Cultural Resource Group, Fredericksburg, Virginia. Report prepared for Atlantic Coast Pipeline, Richmond, Virginia.

Tucker-Laird, Emily, Larissa A. Thomas, Kimberly Barnard, and Jeffrey L. Holland

2016 Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project: North Carolina Addendum 3 Report. ERM, Duluth, Georgia. Report prepared for Atlantic Coast Pipeline, LLC, Richmond, Virginia.

Tucker-Laird, Emily, Mary Beth Derrick, Jeffrey L. Holland, and Larissa Thomas

2017 Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project: North Carolina Addendum 5 Report. ERM, Duluth, Georgia. Report prepared for Atlantic Coast Pipeline, LLC, Richmond, Virginia.

Tucker-Laird, Emily, Megan Wiginton, Jeffrey L. Holland, and Larissa A. Thomas

2018a Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project: North Carolina Addendum 6 Report. ERM, Duluth, Georgia. Report prepared for Atlantic Coast Pipeline, LLC, Richmond, Virginia.

Tucker-Laird, Emily, Mary Beth Derrick, and Jeffrey L. Holland

2018b Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project: North Carolina Addendum 7 Report. ERM, Duluth, Georgia. Report prepared for Atlantic Coast Pipeline, LLC, Richmond, Virginia.

Tucker-Laird, Emily, Mary Beth Derrick, and Jeffrey L. Holland

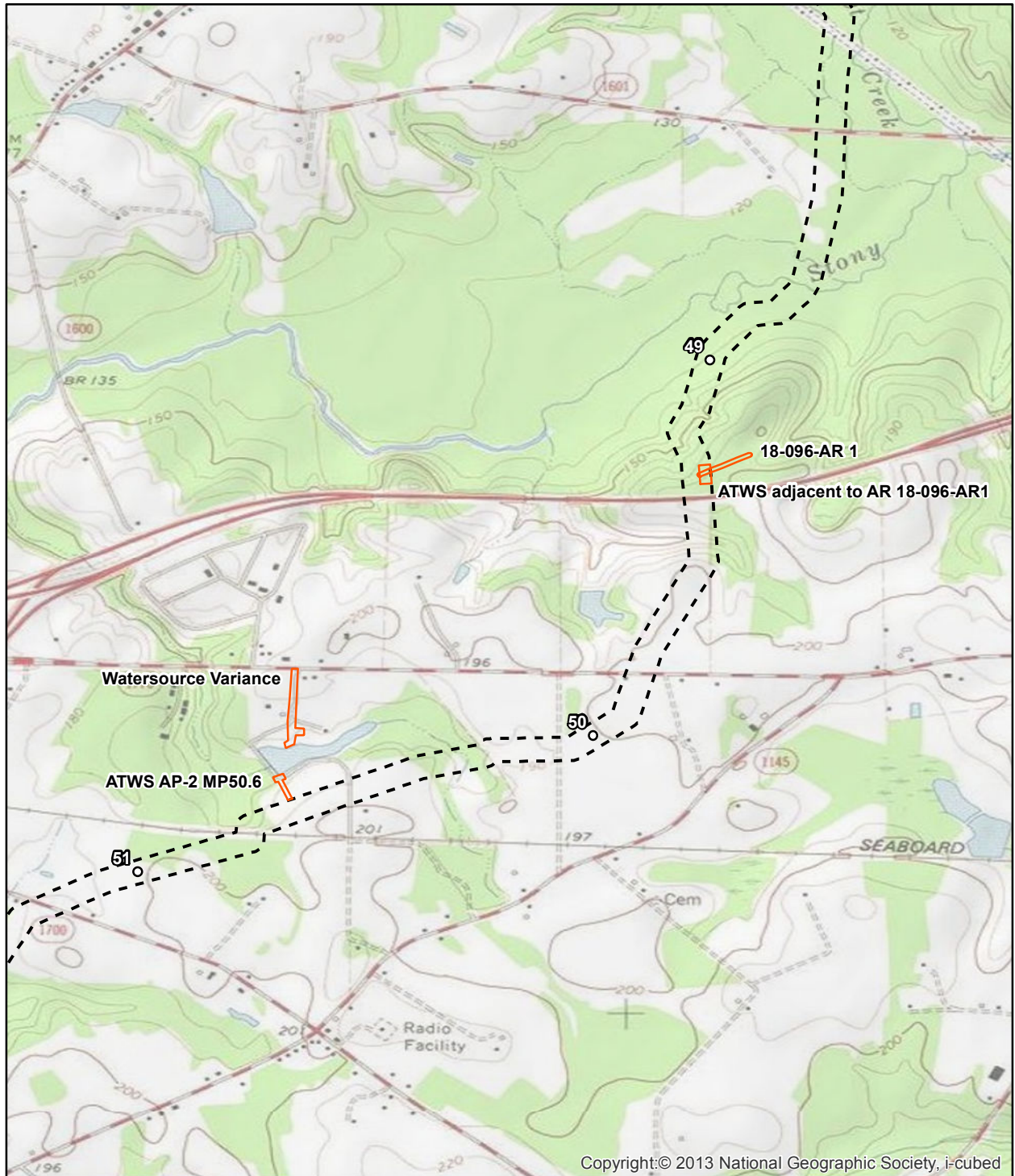
2018c Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project: North Carolina Addendum 8 Report. ERM, Duluth, Georgia. Report prepared for Atlantic Coast Pipeline, LLC, Richmond, Virginia.

Voisin George, Laura, Larissa A. Thomas, Emily Laird, and Jeffrey L. Holland  
2016 *Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project, North Carolina Addendum 2 Report*. Report prepared by ERM. Report submitted to Atlantic Coast Pipeline, LLC.

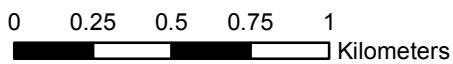
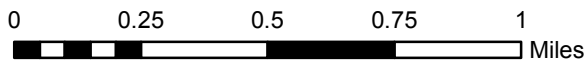
Voisin George, Laura, Jeffrey L. Holland, Kimberly Bernard, Emily Tucker-Laird, Mary Beth Derrick, and Larissa A. Thomas  
2017a *Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project, North Carolina Addendum 4*. Report prepared by ERM. Report submitted to Atlantic Coast Pipeline, LLC.

Voisin George, Laura, Jeffrey L. Holland, and Larissa A. Thomas  
2017b *Phase I Historic Architectural Survey of the Atlantic Coast Pipeline Project, North Carolina Assessment of Effects Report*. Report prepared by ERM. Report submitted to Atlantic Coast Pipeline, LLC.

## **APPENDIX A – MAPS**



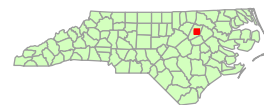
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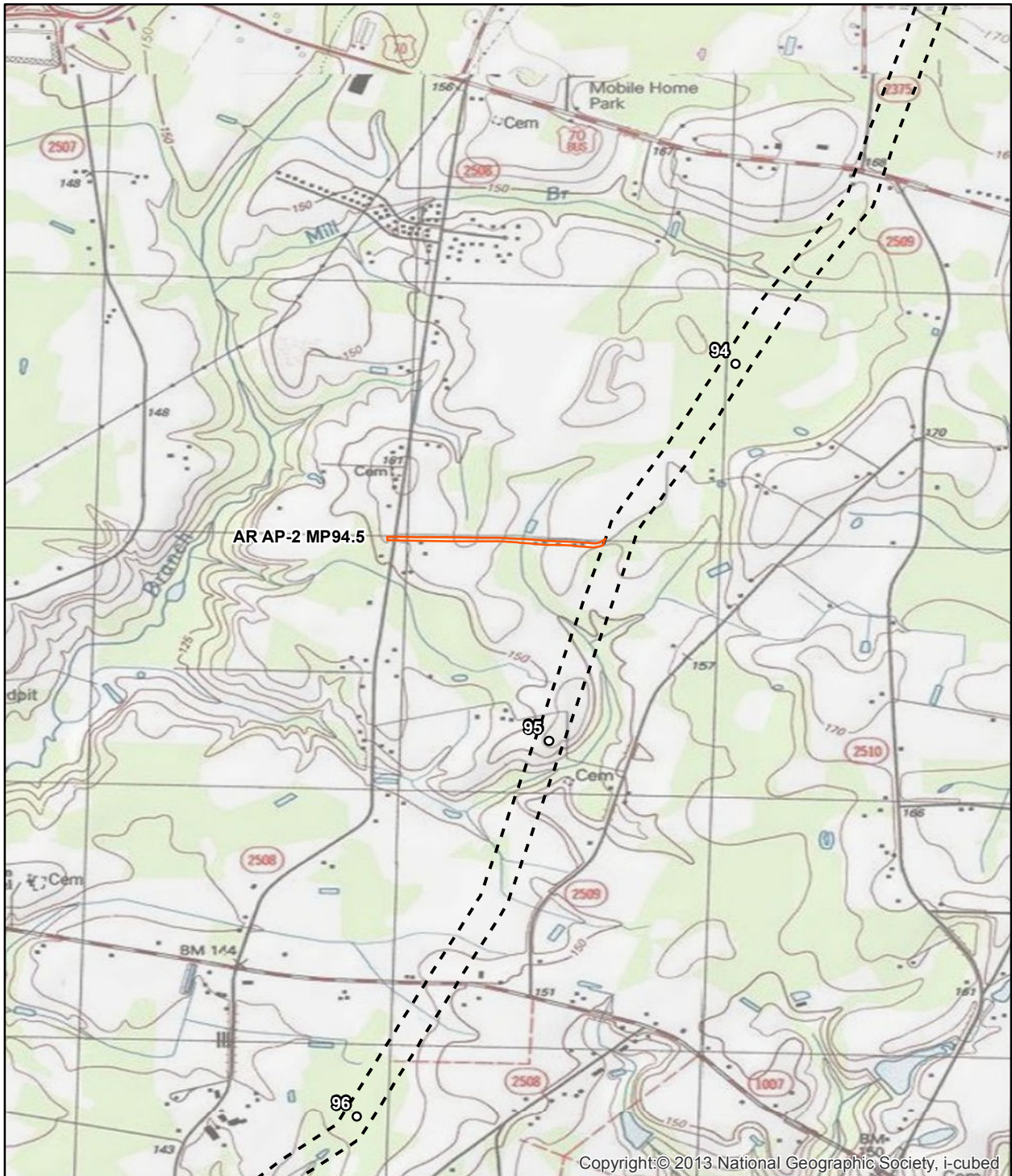
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Mileposts

Project Features







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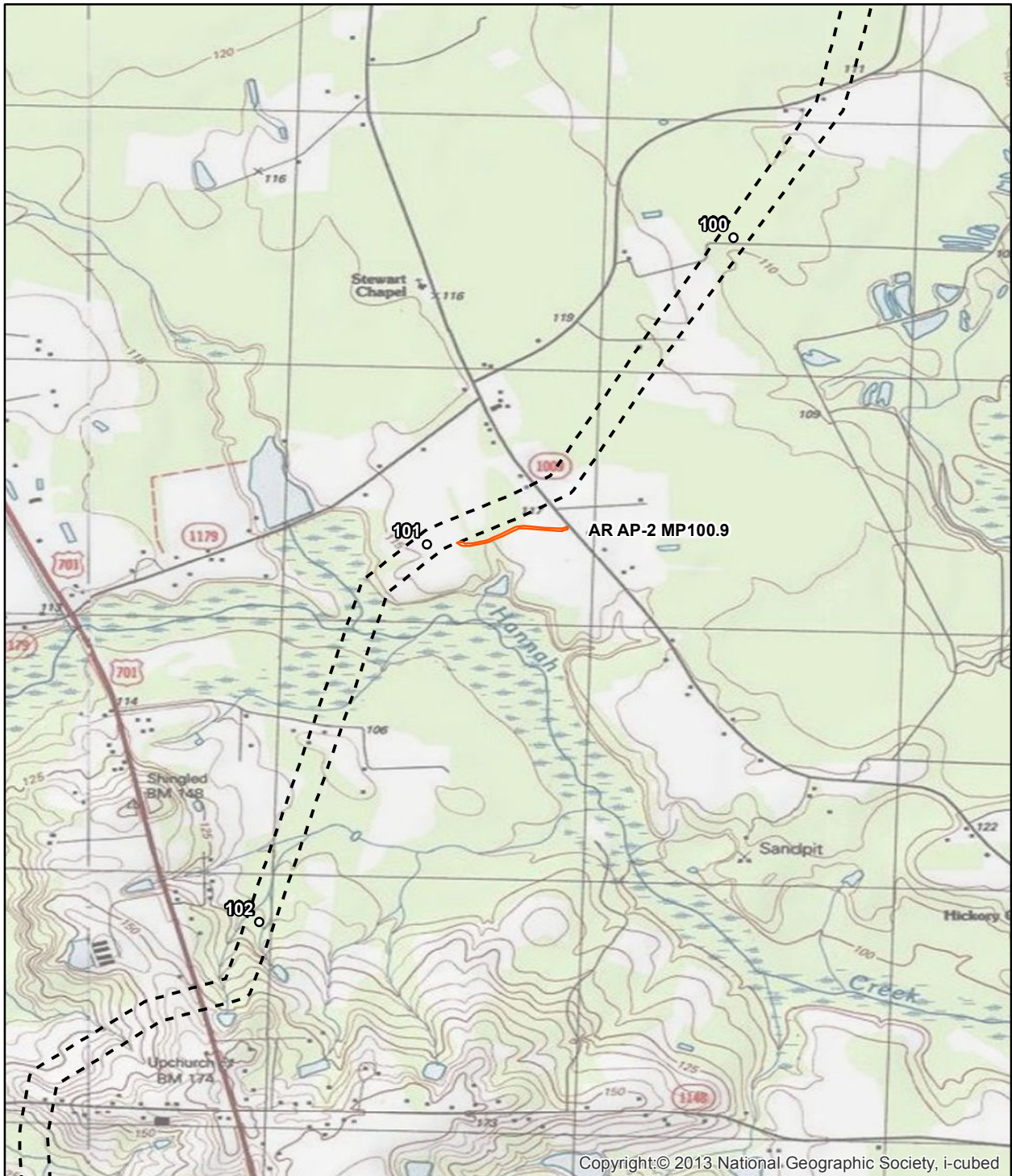
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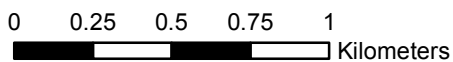
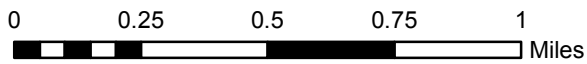
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Project Features





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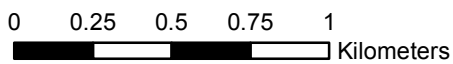
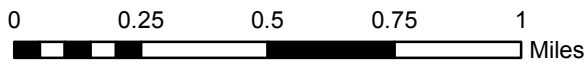
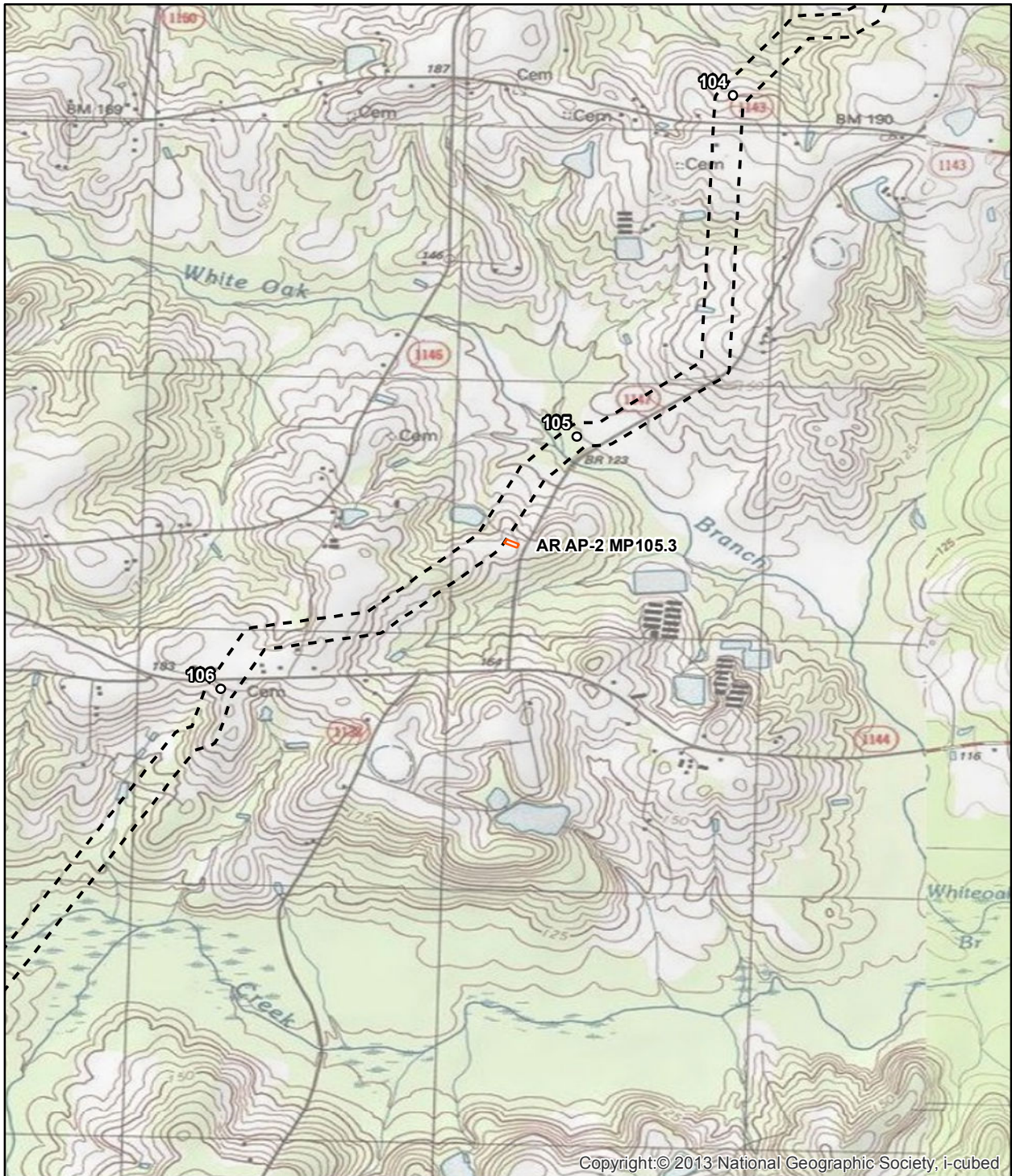
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Mileposts

Project Features







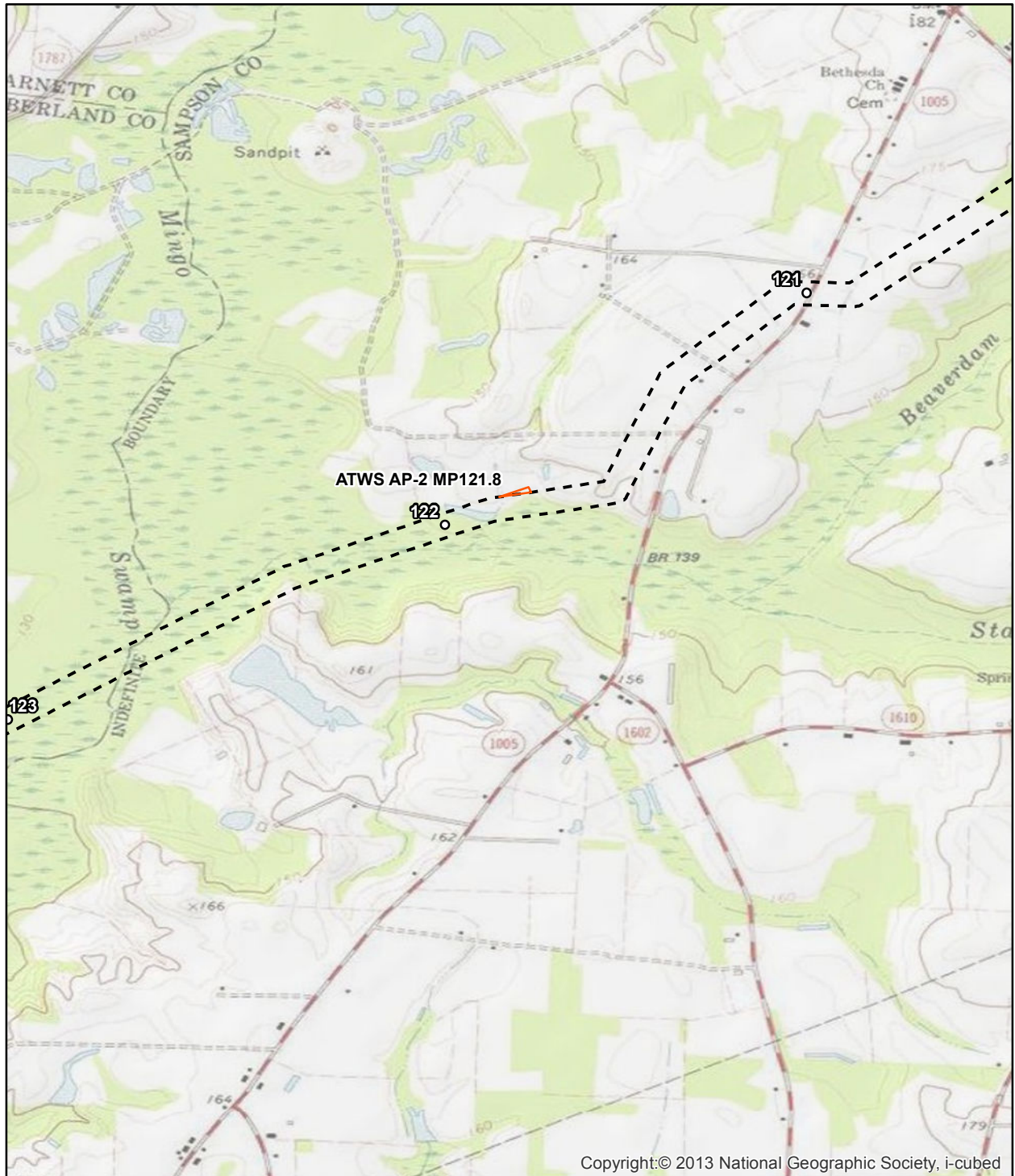
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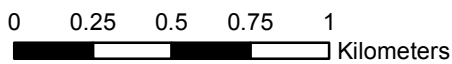
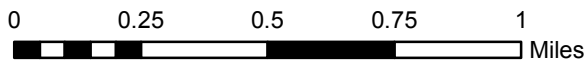
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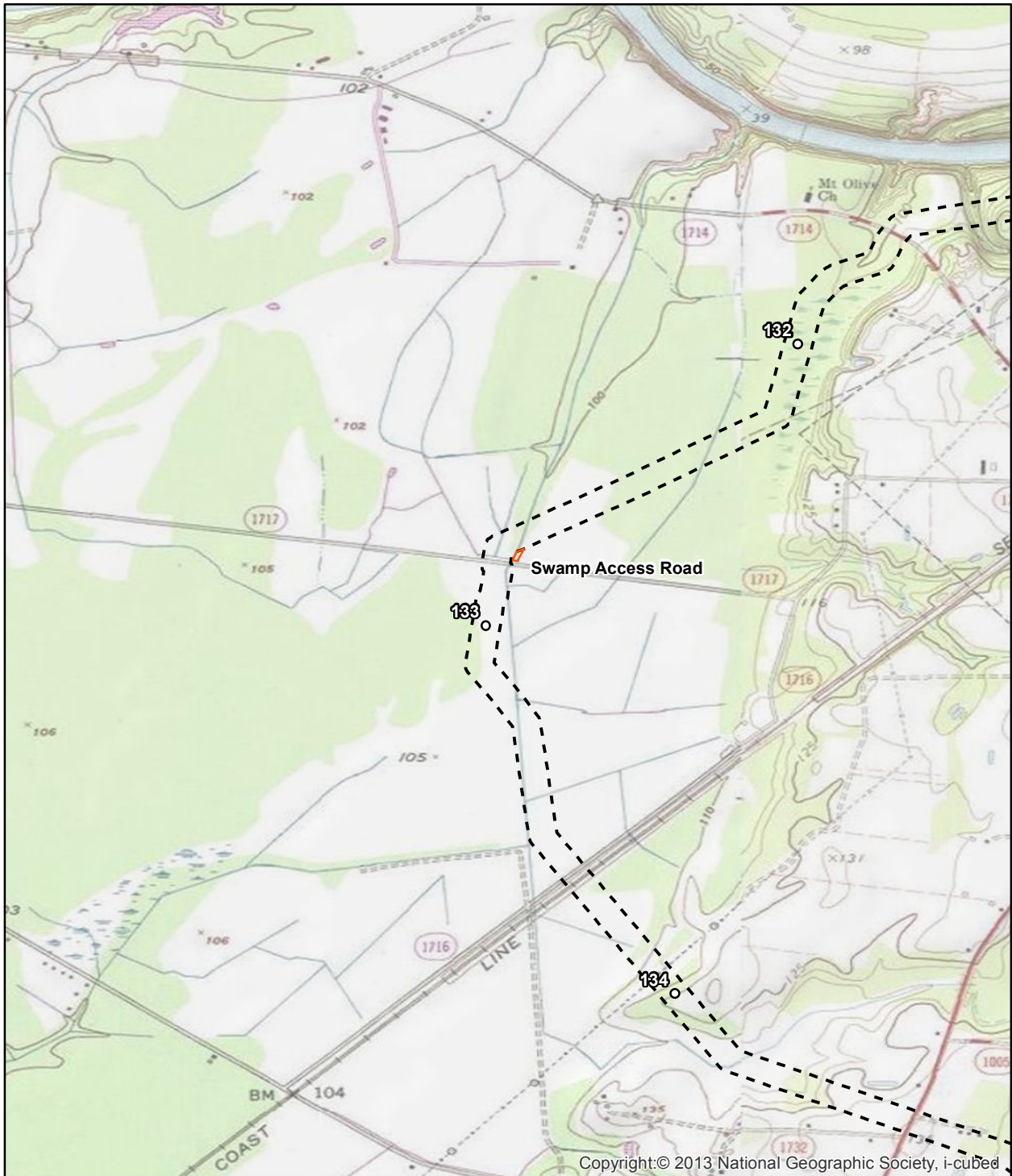


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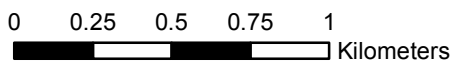
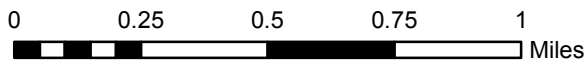
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Project Features





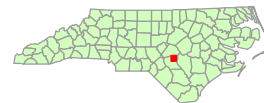
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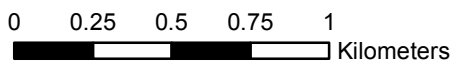
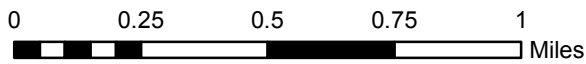
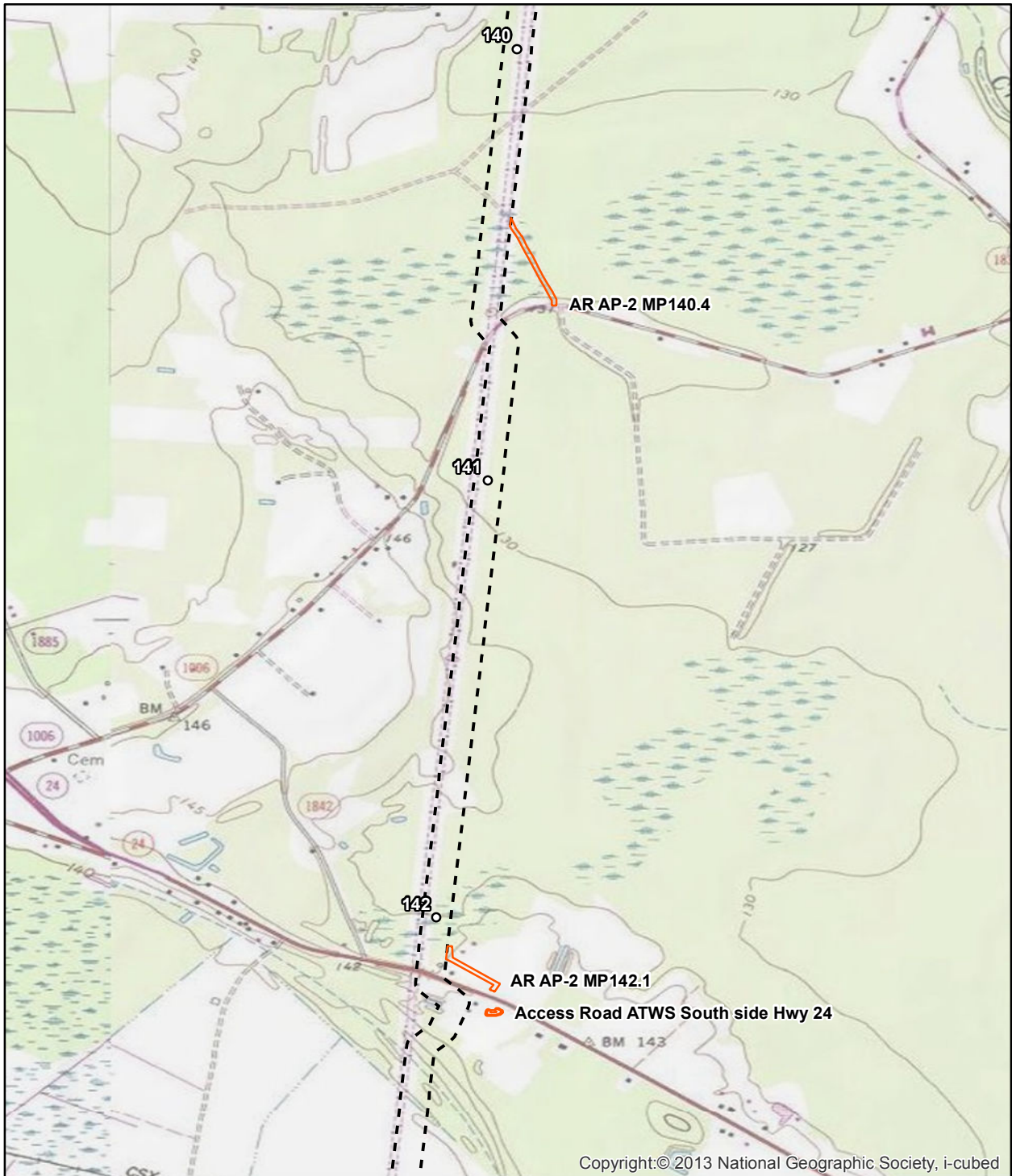
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Mileposts

Project Features



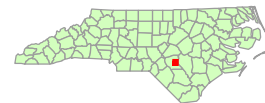


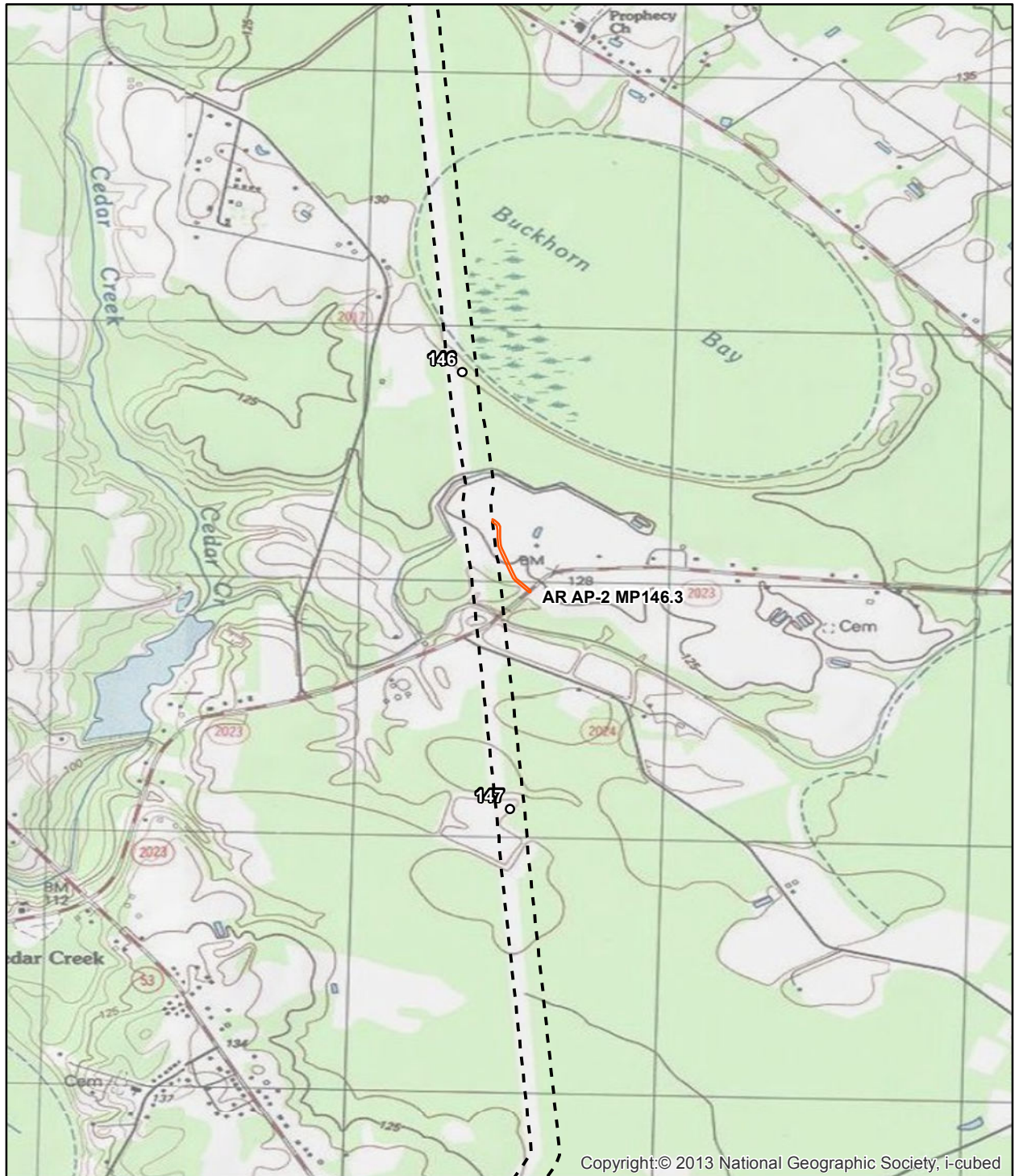


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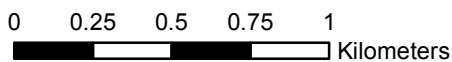
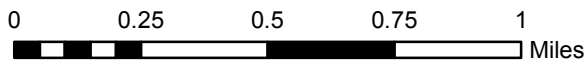
○ Mileposts

▭ Project Features





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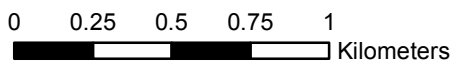
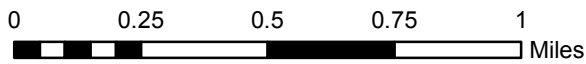
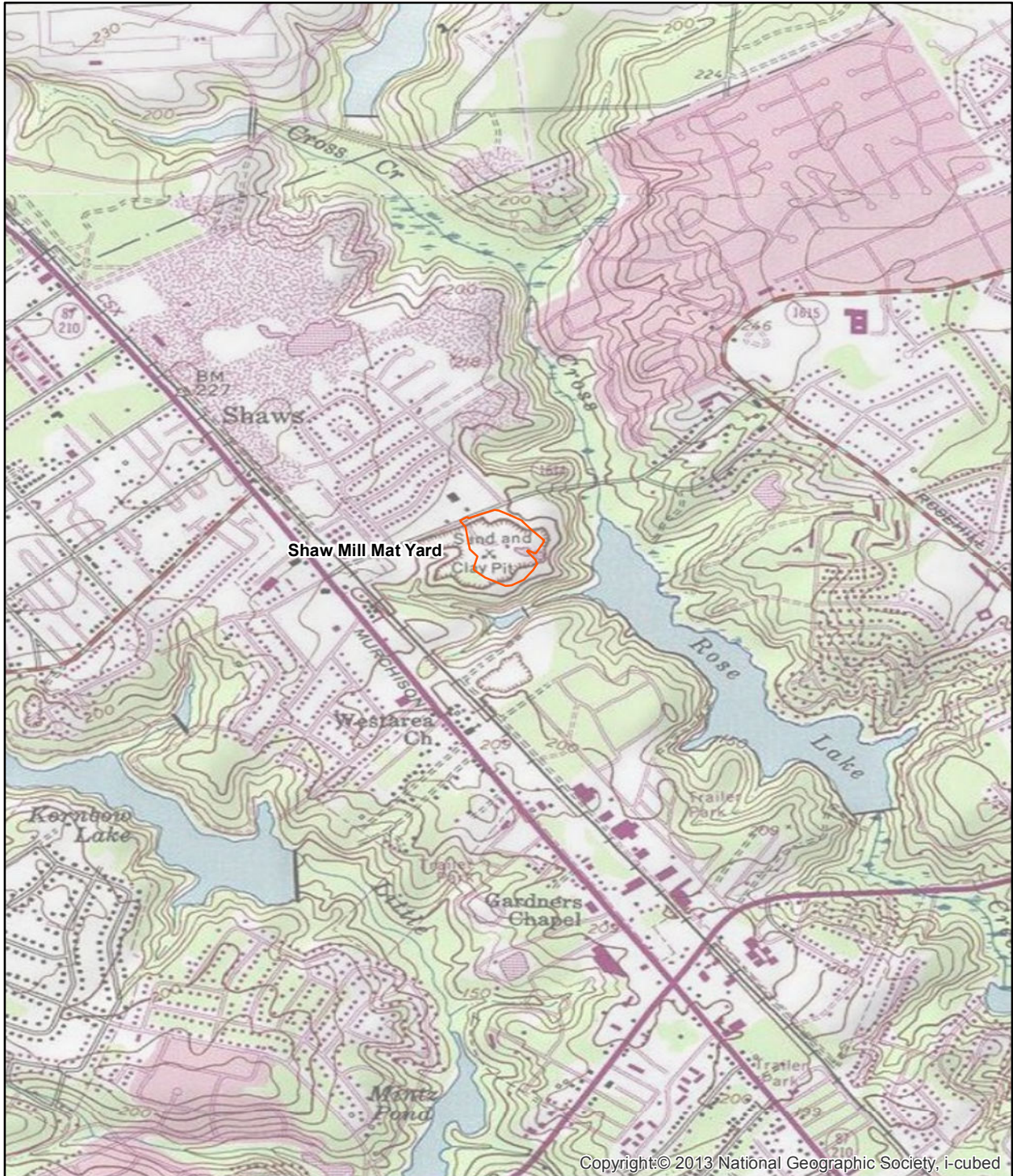
Survey Corridor

Mileposts

Project Features



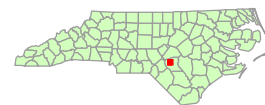




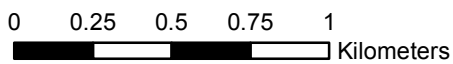
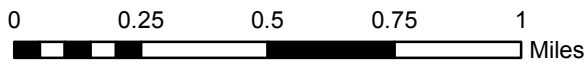
Survey Corridor

Mileposts

Project Features







Survey Corridor

Mileposts

Project Features



## **APPENDIX B – RESUME OF PRINCIPAL INVESTIGATOR**

# Emily Tucker-Laird

Senior Architectural Historian and  
Archaeologist

Ms. Tucker-Laird is Secretary of the Interior Qualified as an architectural historian and archaeologist. Emily has extensive experience working as a Principal Investigator. Her projects have included intra and interstate pipelines, electrical transmission lines, wind projects, solar projects, microwave towers, and treatment plans. In addition to fieldwork, Emily has experience supervising and coordinating for complex projects. Emily has participated in the consultation process and has worked with a wide range of state and federal agencies.



**Experience:** 15 years of experience in the field of Cultural Resource Management.

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## Professional Affiliations & Registrations

- Society of Architectural Historians
- Register of Professional Archaeologists
- The Vernacular Architecture Forum

## Fields of Competence

- Architectural surveys and evaluations
- Development of research and fieldwork designs for cultural resources
- National Register of Historic Places eligibility evaluation and assessments for historic resources
- Compliance with state, and federal cultural resource regulations, including guidelines set forth by various State Historic Preservation Offices, the National Historic Preservation Act and the National Environmental Policy Act
- Phase I, II, and III Archaeological Field Investigations and report preparation
- Project management and coordination

## Education

- M.A., Anthropology, Ball State University, 2013
- M.S., Historic Preservation, Ball State University, 2003
- B.S., Social Sciences, University of Pittsburgh, 1999

## Languages

- English, native speaker

## Key Industry Sectors

- Power generation and transmission
- Oil and gas
- Public and private land development
- Telecommunications

## Key Projects

### **Mt. Storm Wind Force Project**

Architectural historian 2016 for a 72-turbine wind project in Grant and Tucker County West Virginia. Key tasks included field survey and reporting. Project met the requirements of the West Virginia Public Service Commission, and Section 106.

### **Atlantic Coast Pipeline Project**

600-mile-long natural gas pipeline extending from West Virginia to North Carolina. Architectural Historian and Principal Investigator for historic architecture survey and assessment of effects and Historic Architecture Task Manager responsible for overseeing treatment plans to mitigate project effects. Task Manager for FCC tasks. Responsibilities also include consultations with the FERC, SHPO, and consulting parties.

### **Dominion Virginia Power Idylwood Transmission Line Project**

Cultural resource specialist who prepared sections of the routing study, SCC application, and pre-application analysis, and conducted the technical review for the cultural resource investigations conducted for a proposed line to be sited in northern Virginia.

### **Driftwood LNG Project**

Architectural Historian 2016 for a 96-mile natural gas pipeline in Calcasieu, Jefferson Davis, Acadia, and Evangeline parishes. Completed architectural survey to meet the requirements of the FERC and LASHPO.

### **Telecommunications Client - Nationwide**

Architectural Historian and Archaeologist for a nationwide NEPA Program Management Team serving a major national telecommunications carrier. Provide QA/QC oversight on cultural resources submittals and client deliverables. Tasks include assuring that all compliance submittals conform to regulatory requirements as well as meeting client standards, and assuring that required documentation of compliance is included in all client deliverables.

## Key Projects before Joining ERM

### **Tennessee Valley Authority**

Muscle Shoals Reservation, Alabama: Architectural Historian for the HABS Level II documentation of selected resources of the Tennessee Valley Authority Muscle Shoals Reservation. The architectural survey included a detailed survey of both the interior and exterior of 20 resources. Final products included a photographic record, historical context of each resource, and architectural descriptions.

### **City of Georgetown Department of Planning**

Georgetown, SC Historic District Survey: One of a team of Architectural Historians recording 900 resources within the National Register-listed historic district. Final products included a comprehensive historic district inventory, maps which identified building by period of construction and contributing status, South Carolina Department of Archives and History Intensive-level historic structure forms and photographs, and a report.

### **Macon Cemetery Preservation Corporation**

Cemetery Preservation Plan in Georgia: Architectural Historian for a conditions assessment of the 13-acre Linwood Cemetery. Containing over 4,000 burials. Identified the extent of interments, overall conditions across the cemetery, and specific graves and markers requiring repair and stabilization. The product of the work was an assessment of the cemetery's condition and a preservation plan.

### **Enbridge Line 78 Project.**

75-mile crude oil pipeline in Illinois and Indiana: Principal Investigator for historic structures, Field Director and Crew Coordinator for the project. Managed several crews, and subcontractors, met with the land office to determine what was available for survey, and acted as the health and safety officer. Responsible for writing technical reports.