

North Carolina Department of Transportation

NEPA/SEPA Consultation Form

STIP Project No.	<u>BR-0121</u>
WBS Element	<u>48830.1.1</u>
Federal Aid Project No.	<u>2020001</u>

A. Project Description, Location, and Purpose:

This project is comprised of the replacement of Bridge No. 178 on SR 1804 (Houses Mill Road) over Sevenmile Swamp in Sampson County. The bridge will be replaced on the existing alignment while detouring traffic offsite.

The replacement structure will be a bridge approximately 107 feet long providing a minimum 30-foot 10-inch clear deck width. The bridge will include two 10-foot lanes and 5-foot 5-inch offsets. The bridge length is based on preliminary design information and is set by hydraulic requirements.

The approach roadway will extend approximately 184 feet and 235 feet on the south and north ends of the new bridge, respectively. The approaches will be widened to include a 20-foot pavement width providing two 10-foot lanes. Three-foot shoulders will be provided on each side (shoulder width will vary where guardrail is included). The roadway will be designed as a Local Route with a 55-mph design speed.

Traffic will be detoured off-site during construction.

B. Consultation Phase: (Check one)

- Right-of-Way
- Construction
- Other: Identify the trigger – (e.g., design change, change in impacts)

C. NEPA/SEPA Class of Action Initially Approved as: (Check one)

- FHWA Class II (CE) 7/17/19

Additional Notes: Type I A

D. Changes in Proposed Action & Environmental Consequences:

Protected Species

As of July 17, 2020, one species was added to the US Fish and Wildlife Service (USFWS) list of federally protected species for Sampson County.

The USFWS listed the wood stork in 2020, after the CE was completed. Wood storks are birds of freshwater and estuarine wetlands, primarily nesting in cypress or mangrove swamps. They feed in freshwater marshes, narrow tidal creeks, or flooded tidal pools. Particularly attractive feeding sites are depressions in marshes or swamps where fish become concentrated during periods of falling water levels. Distribution in Sampson County is not well understood, but potential habitat exists in the project study area. Coordination with the USFWS indicates that the appropriate Biological Conclusion is “May Affect Not Likely to Adversely Affect”. An official request for informal concurrence was submitted to the USFWS on February 18, 2020. On February 21, 2020, the USFWS concurred with the NCDOT - EAU conclusion of “May Affect Not Likely to Adversely Affect” for the wood stork, with conditions specified in their concurrence letter.

E. Conclusion:

The above NEPA/SEPA documentation has been reevaluated (as required by either 23 CFR 771 or by NC General Statute Chapter 113A Article 1). It has been determined that the current proposed action is essentially the same as the original proposed action. Proposed changes, if any, are noted in Section D. It has been determined that anticipated social, economic, and environmental impacts were accurately described in the above referenced document(s) unless noted otherwise herein. Therefore, the original Administration Action remains valid.

F. Coordination

NCDOT personnel have discussed the current project parameters with qualified NCDOT representatives and FHWA (where applicable). The NCDOT Project Manager, Jacquelyn Bowles, PE, hereby verifies the involvement of the following staff and the incorporation of their technical input:

Design Engineer:	Greg Purvis	9/17/2020
Environmental Specialist:	Gordon Cashin	9/17/2020
FHWA (if applicable):	N/A	Date
Other:	N/A	Date

G. Consultation Approval for NCDOT Project BR-0121

Prepared By:

10/7/2020

Date

DocuSigned by:

Kim L. Gillespie, PE

E9AA3A8EE2574FE...

Kim L. Gillespie, PE, Project Manager
NCDOT – Project Management Unit

Prepared For:

DocuSigned by:

Jacquelyn Bowles, PE

DB26E97EDFB647E...

Jacquelyn Bowles, PE
NCDOT, Structures Management Unit

Reviewed By:

10/8/2020

Date

DocuSigned by:

Colin Mellor

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Colin Mellor, Eastern Regional Team Lead
NCDOT – Environmental Policy Unit



Approved

In adherence with 23 CFR 771 (NEPA) or NC General Statute Chapter 113A Article 1 (SEPA), NCDOT approves this Consultation.

or



Certified

NCDOT staff certifies if FHWA signature was previously required or where changes have resulted in FHWA signature being required.

10/8/2020

Date

DocuSigned by:

David Stutts

44A2999A8DCC4F2...

David Stutts, PE – Project Engineer – PEF/Program Management
NCDOT – Structures Management Unit

FHWA Approved: FHWA signature required for Type I(B) CE, Type II(B) CE, Type III CE, FONSI or ROD.

Date

N/A

John F. Sullivan, III, PE, Division Administrator
Federal Highway Administration

H. Project Commitments (as of September 17, 2020)

**Sampson County
Bridge No. 178 on SR 1804 (Houses Mill Road)
Over Sevenmile Swamp
WBS No. 48830.1.1
TIP No. BR-0121**

Current status to the project commitments as shown in the CE for the project are printed in italics.

NCDOT Division 3

In order to have time to adequately reroute school busses, Sampson County Schools will be contacted at least one month prior to road closure. The contact person is Vicki Westbrook – Director of Transportation at (910)-592-3191.

Sampson County Emergency Services will be contacted at least one month prior to road closure to make the necessary temporary reassignments to primary response units. The contact person is Ronald Bass – Emergency Services Director at (910)-592-8996.

NCDOT Hydraulic Unit

The Hydraulics Unit coordinated with the NC Floodplain Mapping Program (FMP) on May 13, 2019, To determine status of project with regard to applicability of NCDOT'S Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR). The Hydraulics Unit awaits the FMP's approval.

NCDOT Division 3 Construction, Resident Engineer's Office

This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment that are located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

NCDOT Structures Management Unit

The property on the east side of the bridge is part of the Great Coharie Creek Tract, which is in a conservation easement managed by the North Carolina Department of Environmental Quality, Stewardship Program.

Status: *This project will not impact the conservation easement property.*

COMMITMENTS FROM PERMITTING

NCDOT Environmental Analysis Unit





The project is authorized by N.C. Water Quality Certification No. 4132 without formal written approval. All permit conditions specified by those general permits must be met for this authorization to remain valid. If changes are made to the project design, written approval may be required.

NCDOT Environmental Analysis Unit, NCDOT Division 3 Construction

This project required concurrence from the USFWS regarding its possible effects on the federally threatened wood stork (*Mycteria americana*; refer to Section D of this consultation). By letter dated September 21, 2020, the USFWS concurred the project may affect but is not likely to adversely affect the wood stork. However, this concurrence is conditional, as state in the letter, it "is understood that the project will let in November 2020, thus it will be well underway prior to the wood stork nesting season of April 15-July 15. Wood storks are very uncommon in Sampson County and even less so during winter... We remind you that obligations under Section 7 consultation must be reconsidered if... (2) this action is subsequently modified in a manner that was not considered in this review...".

Consequently, changes to the project schedule may require additional consultation with the USFWS.



-  Bridge 178
-  NHD Stream
-  Project Study Area
-  County Boundary

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Prepared For:
Replacement of Bridge 178
on SR 1804 (House Mill Rd)
over Sevenmile Swamp
STIP No. BR-0121
 Project Vicinity Map
 Sampson County, North Carolina

Date: October 2018
 Scale: 0 100 200 Feet
 Job No.: 18-025
 Drawn By: NMS Checked By: NDH

Figure
1

18-09-0079

Revised



HISTORIC ARCHITECTURE AND LANDSCAPES NO HISTORIC PROPERTIES PRESENT OR AFFECTED FORM

This form supercedes that dated 2 July 2019

This form only pertains to Historic Architecture and Landscapes for this project. It is not valid for Archaeological Resources. You must consult separately with the Archaeology Group.

PROJECT INFORMATION

Project No:	BR-0121	County:	Sampson
WBS No.:	48830.1.1	Document Type:	
Fed. Aid No:	1804006	Funding:	State X Federal
Federal Permit(s):	X Yes No	Permit Type(s):	USACE
<u>Project Description:</u> Replace Bridge No. 178 on SR 1804 (House's Mill Road) over Sevenmile Swamp (off-site detour, no improvements planned). Resubmitted 14 September 2020 – new WBS number and funding change, final design.			

SUMMARY OF HISTORIC ARCHITECTURE AND LANDSCAPES REVIEW

- There are no National Register-listed or Study Listed properties within the project's area of potential effects.
- There are no properties less than fifty years old which are considered to meet Criteria Consideration G within the project's area of potential effects.
- There are no properties within the project's area of potential effects.
- There are properties over fifty years old within the area of potential effects, but they do not meet the criteria for listing on the National Register.
- There are no historic properties present or **affected** by this project. (Attach any notes or documents as needed.)

Description of review activities, results, and conclusions: HPOWeb reviewed on 23 October 2018 and 15 September 2020 and yielded one SS and no NR, DE, LD, or SL properties in the Area of Potential Effects (APE). The APE for historic architectural resources equates with the study area provided in the original review request (see attached) remains unchanged, and is confirmed by the current design plans (see attached). Sampson County current GIS mapping, aerial photography, and tax information reveal a mostly wooded APE with several residential and commercial resources dating from the 1810s to the 1990s. The majority of the pre-1970 resources are unexceptional (some are also altered) examples of their types. The previously recorded, but unevaluated House-Autry Mill (SP0414) (see attached aerial) required additional investigation. NCDOT—Historic Architecture prepared an evaluation of its National Register eligibility and recommended the property as not eligible for listing. HPO reviewed the evaluation and concurred with the finding (see attached memo). Constructed in 1962, Bridge No. 178 is not eligible for the National Register as it is neither aesthetically nor technologically significant. There are no National Register-listed properties in the APE or along the proposed off-site detour route. A finding of "no historic properties affected" will satisfy both Section 106 and GS 121-12(a) compliance requirements.

The resubmitted request allocated four instead of the usual thirty days for review, apparently in anticipation of a November 2020 let. Moreover, had additional resources appeared, this failure to consult with NCDOT Historic Architecture in a timely manner likely would have affected the project schedule. Fortunately, no additional investigation is required.

Should any aspect of the project design change, please notify NCDOT Historic Architecture as additional review may be necessary.

The National Register eligibility evaluation of the House-Autry Mill (SP0414), as well as photographs of the property are on file at NCDOT-Historic Architecture, NCHPO, and <https://connect.ncdot.gov>.

SUPPORT DOCUMENTATION

X Map(s) Previous Survey Info. Photos X Correspondence X Design Plans

FINDING BY NCDOT ARCHITECTURAL HISTORIAN

Historic Architecture and Landscapes – **NO HISTORIC PROPERTIES PRESENT OR AFFECTED**

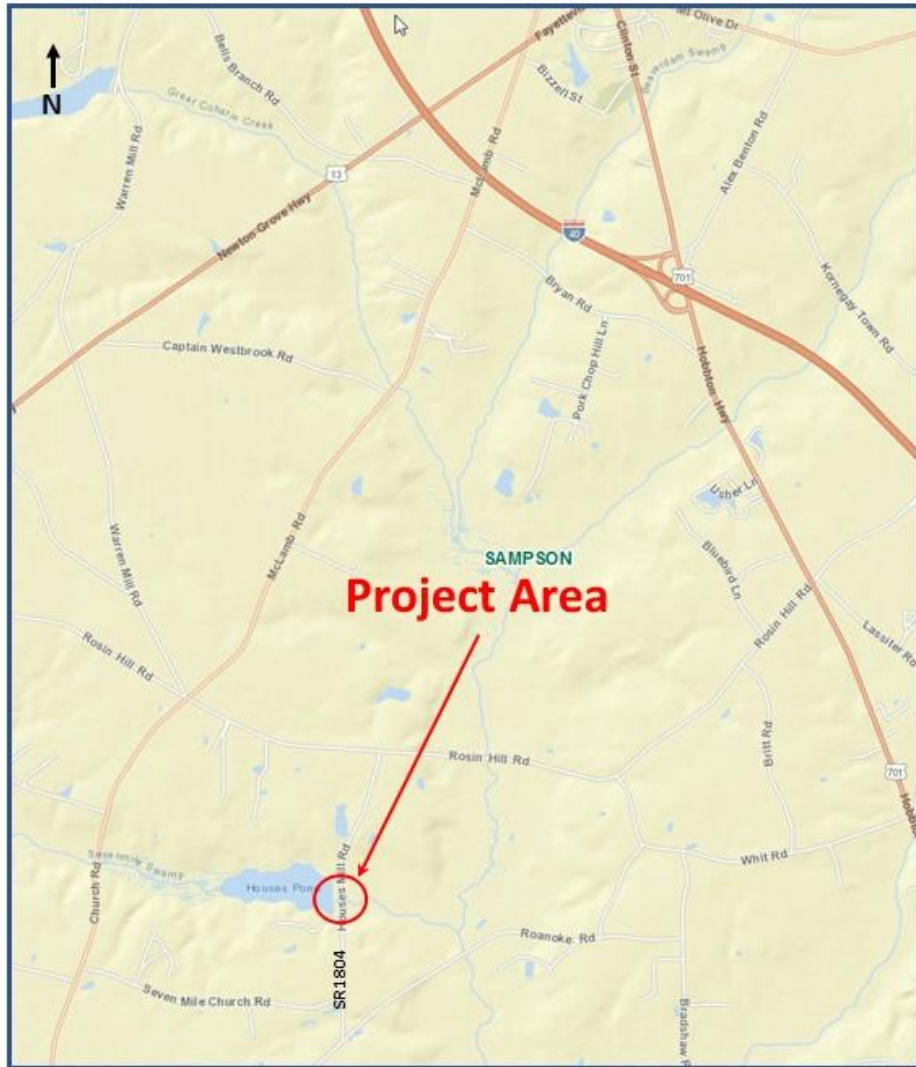


NCDOT Architectural Historian

18 September 2020

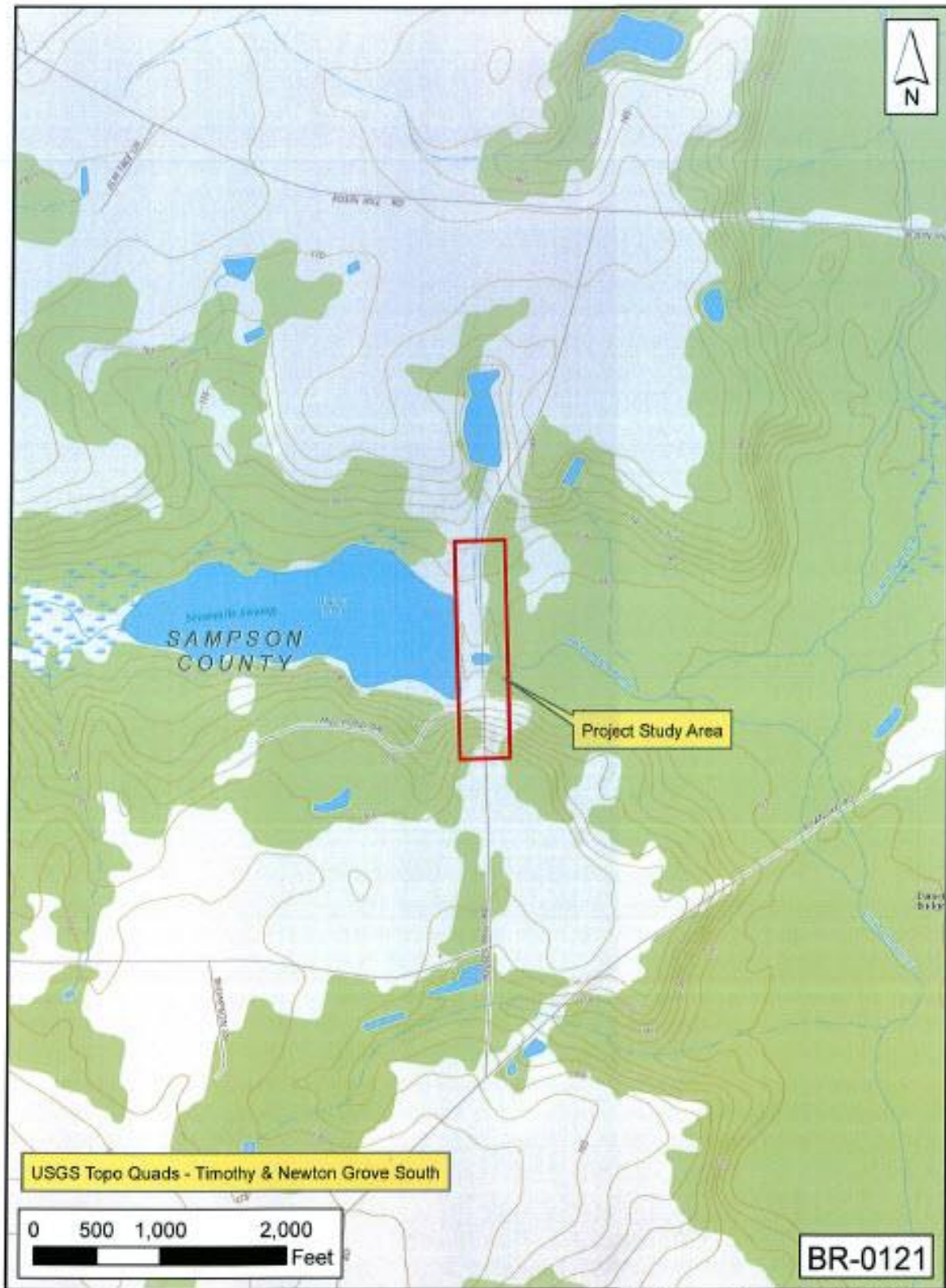
Date

BR-0121, Sampson County
Tracking No. 18-09-0079



BR-0121 Bridge No. 178 Replacement Sampson County
WBS No. 67121.1.1 Base map: HPOWeb, nts

NCDOT – Historic Architecture
October 2018
Tracking No. 18-09-0079



Tracking No. 18-09-0079



Property to be Evaluated

BR-0121, Sampson County

1. House-Autry Mill (SP0414). Houses Mill Road.
PIN: 19049244106.

Adjacent parcels may be historically related: PINs: 19049244102,
19049244107, and 19111532016

NCDOT – Historic Architecture
October 2018
Tracking No. 18-09-0079



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

Barbara M. Bartos, Administrator

Governor Roy Cooper
Secretary Susi H. Hamilton

Office of Archives and History
Deputy Secretary Kevin Cherry

July 2, 2019

MEMORANDUM

TO: Vanessa Patrick
Human Environment Unit
NC Department of Transportation

FROM: Renee Gledhill-Earley *Renee Gledhill-Earley*
Environmental Review Coordinator

SUBJECT: Historic Structures Survey Report for BR-0121, Replace Bridge 178 on SR 1804
over Sevenmile Swamp, Sampson County, ER 19-1974

Thank you for your June 12, 2019, memorandum transmitting the above-referenced report. We have reviewed the report and concur that the House-Autry Mill (SP0414) is not eligible for listing in the National Register of Historic Places for the reasons outlined in the report.

The above comments are made pursuant to Section 106 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. In all future communication concerning this project, please cite the above referenced tracking number.

cc: Mary Pope Furr, NCDOT



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

Memorandum

To: Renee Gledhill-Earley
Environmental Review Coordinator
North Carolina State Historic Preservation Office

From: Vanessa E. Patrick
Architectural Historian
NCDOT - Historic Architecture

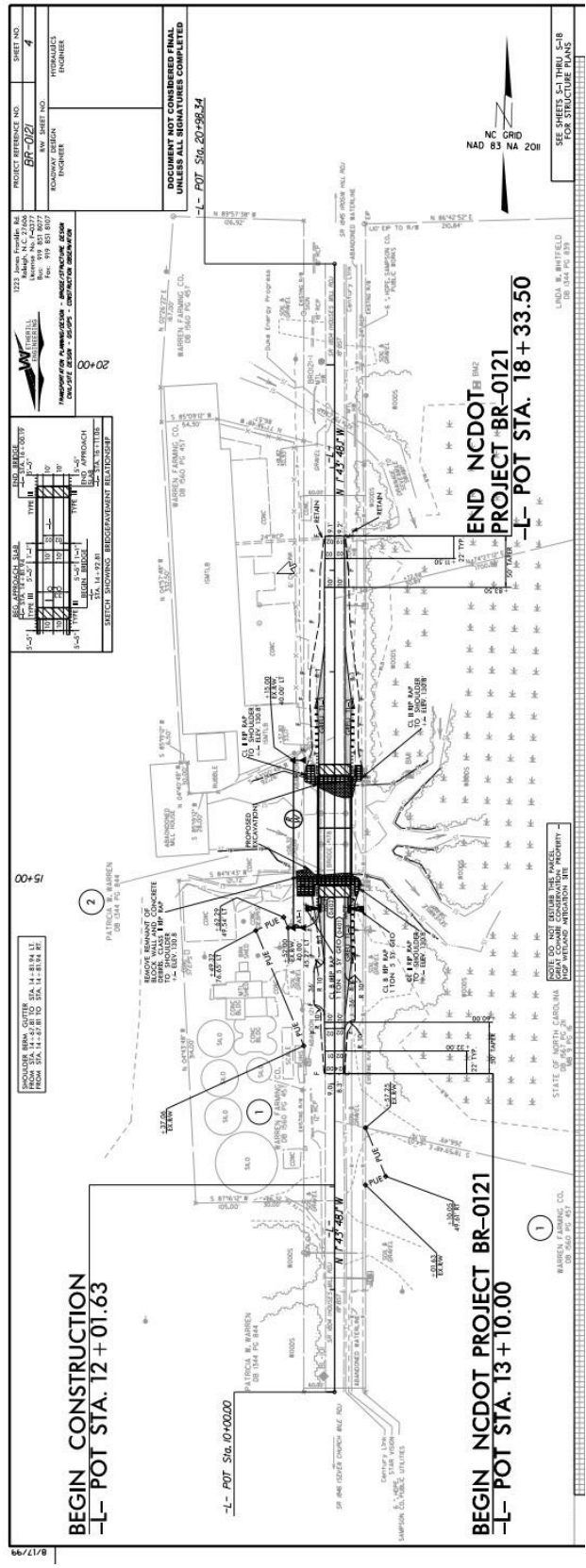
Date: July 3, 2019

Subject: *Historic Structures Survey Report, Replace Bridge No. 178 on SR 1804 (House's Mill Road) over ~~Sevenmile~~ Swamp, Sampson County. TIP No. BR-0121. PA No. 18-09-0079. ER 19-1974.*

Thank you for your recent comments on the above report. We are pleased that you concur with our recommendation that the House-Autry Mill (SP0414) is not eligible for listing in the National Register of Historic Places.

As always, your help is greatly appreciated, as is your expediting of the review. Should questions arise, please contact me at vepatrick@ncdot.gov or 919-707-6082.

V.E.P.



18-09-0079
Resubmit**NO ARCHAEOLOGICAL SURVEY REQUIRED FORM**

This form only pertains to ARCHAEOLOGICAL RESOURCES for this project. It is not valid for Historic Architecture and Landscapes. You must consult separately with the Historic Architecture and Landscapes Group.

**PROJECT INFORMATION**

Project No.: **BR-0121** *County:* **Sampson**
WBS No.: **48830.1.1** *Document:* **Federal CE**
F.A. No.: **1804006** *Funding:* State Federal

Federal Permit Required? Yes No *Permit Type:* **USACE**

Project Description: The project involves the replacement of Bridge No. 178 on SR 1804 (Houses Mill Rd) over Sevenmile Swamp in Sampson County, North Carolina. The archaeological Area of Potential Effects (APE) encompasses all areas of potential ground disturbing activity as depicted on the attached GIS mapping.

SUMMARY OF CULTURAL RESOURCES REVIEW***Brief description of review activities, results of review, and conclusions:***

Permitting and funding information was reviewed for determining the level of archaeological input required by state and federal laws. Based on the submitted "request for cultural resources review" form, the project is federally-funded with federal permit interaction. As such, Section 106 of the National Historic Preservation Act will apply and the United States Army Corps of Engineers (USACE) will serve as the lead federal agency. Next, construction design and other data was examined (when applicable) to define the character and extent of potential impacts to the ground surfaces embracing the project locale.

Once an APE was outlined, a map review and site file search was conducted at the Office of State Archaeology (OSA) on Thursday, September 27, 2018. No previously documented archaeological sites are located in the APE.

Examination of National Register of Historic Places (NRHP), State Study Listed (SL), Locally Designated (LD), Determined Eligible (DE), and Surveyed Site (SS) properties employing resources available on the NCSHPO website is important in establishing the location of noteworthy historic occupations related to a perspective construction impact area. A cross-check of these mapped resources concluded that none of the above properties with potential contributing archaeological components are situated within or proximal to the APE. It should be noted that the mill located on the western side of Houses Mill Road is considered a surveyed location by the NCSHPO. However, this location is unlikely to contain preserved or significant archaeological deposits.

In addition, historic maps of Sampson County were appraised to identify former structure locations, land use patterns, cemeteries, or other confirmation of historic occupation in the project vicinity. Archaeological/historical reference materials were inspected as well. In general, the cultural background review established that no previously recorded archaeological sites, NRHP properties, or cemeteries are located within the APE. Based on cultural-historical factors, the APE is considered to have a low potential for the documentation of archaeological resources.

Further, topographic, geologic, flood boundary, and NRCS soil survey maps were referenced to evaluate pedological, geomorphological, hydrological, and other environmental determinants that may have resulted in past occupation at this location. Aerial and on-ground photographs (NCDOT Spatial Data Viewer) and the Google Street View map application (when amenable) were also examined/utilized for additional assessment of disturbances, both natural and human induced, which compromise the integrity of archaeological sites.

18-09-0079
Resubmit

Environmental/impact factors do not suggest a heightened potential for archaeological resource recovery.

Brief Explanation of why the available information provides a reliable basis for reasonably predicting that there are no unidentified historic properties in the APE:

The APE is marked by disturbances and large portions are underlain by poorly drained soils. The APE is unlikely to contain significant, intact, and preserved archaeological deposits eligible for NRHP inclusion. As currently proposed as a state-funded project with federal permit interaction, no further consultation is advocated. A finding of "no archaeological survey required" is considered appropriate.

This project falls within a North Carolina County in which the Catawba Indian Nation has expressed an interest: Sampson County. It is recommended that you contact each federal agency involved with your project to determine their Section 106 Tribal consultation requirements.

SUPPORT DOCUMENTATION

See attached: Map(s) Previous Survey Info Photos Correspondence
 Photocopy of County Survey Notes Other:

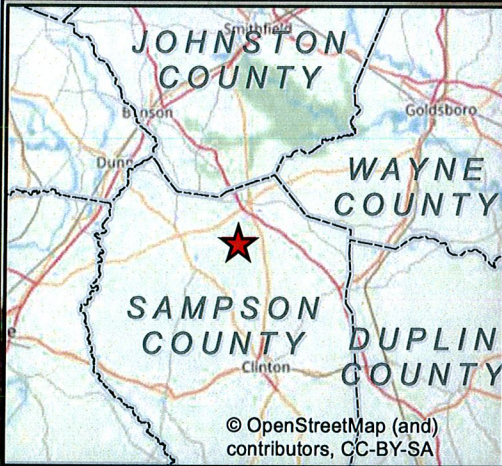
FINDING BY NCDOT ARCHAEOLOGIST





NO ARCHAEOLOGY SURVEY REQUIRED

Eric Halverson

NCDOT

9.24.2020



-  Bridge 178
-  NHD Stream
-  Project Study Area
-  County Boundary

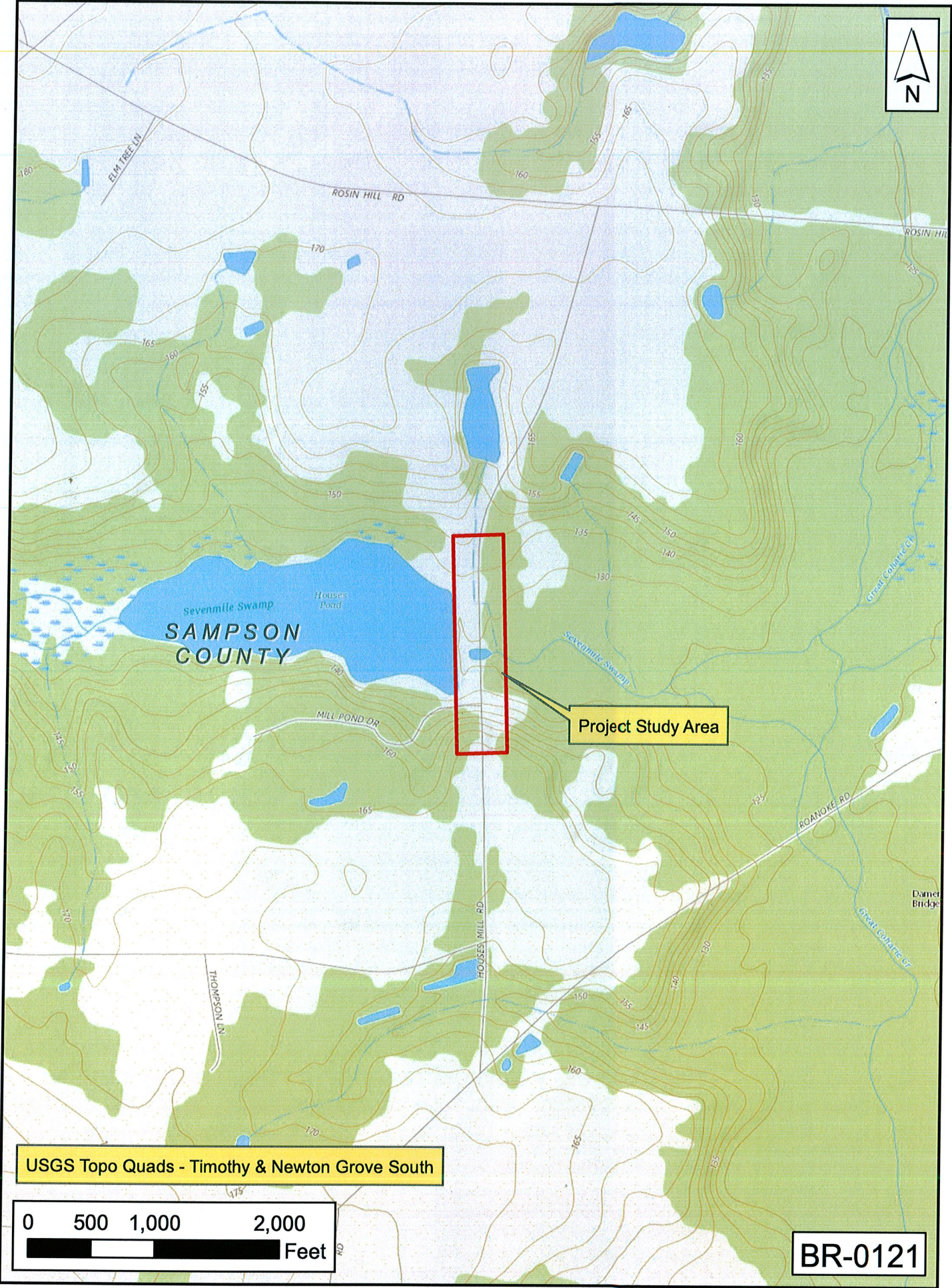
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Prepared For:
Replacement of Bridge 178
on SR 1804 (House Mill Rd)
over Sevenmile Swamp
STIP No. BR-0121
 Project Vicinity Map
 Sampson County, North Carolina

Date:	October 2018
Scale:	0 100 200 Feet
Job No.:	18-025
Drawn By:	Checked By:
NMS	NDH

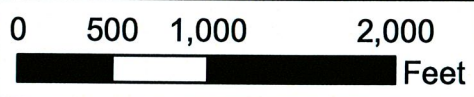
Figure
1



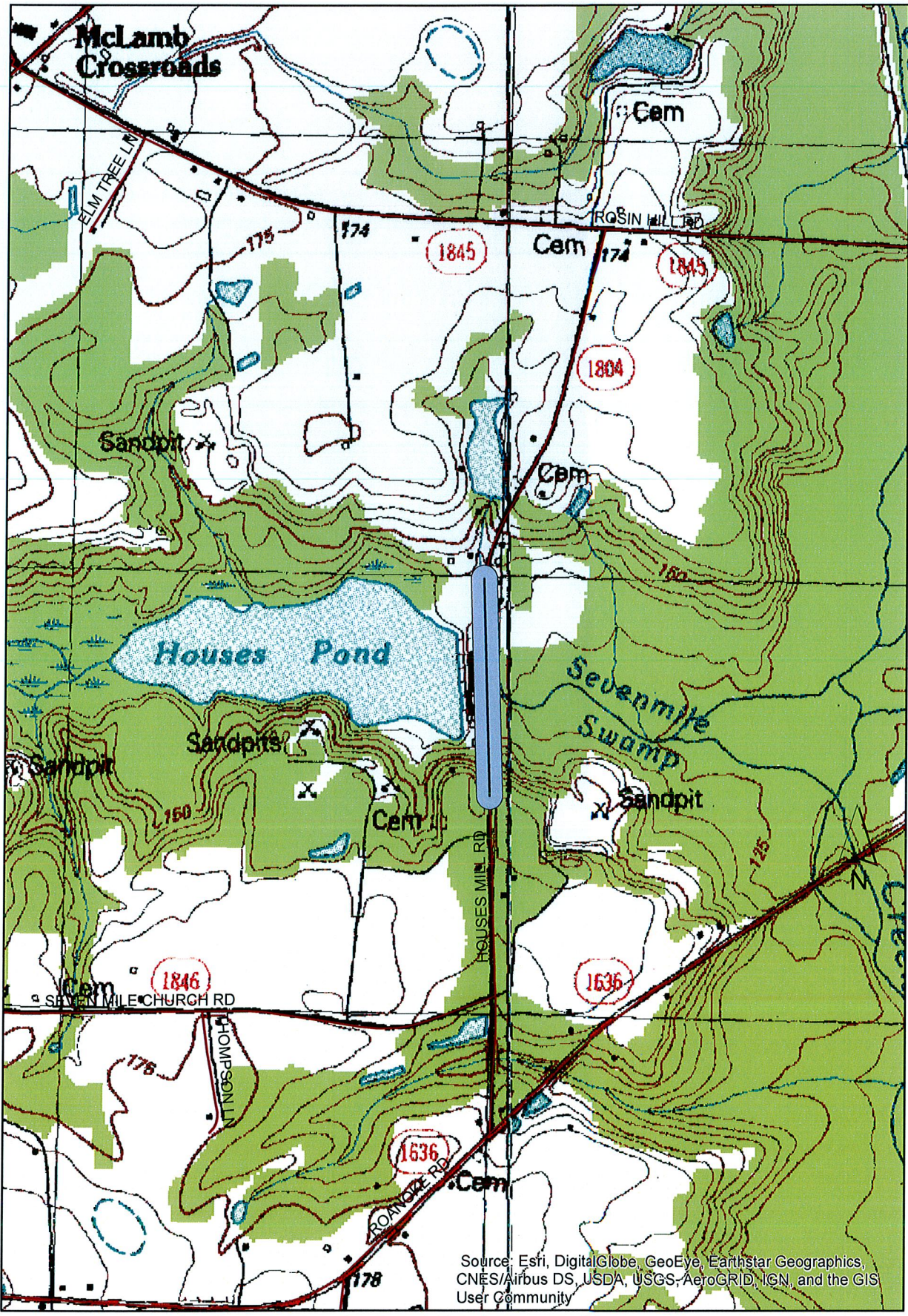
SAMPSON COUNTY

Project Study Area

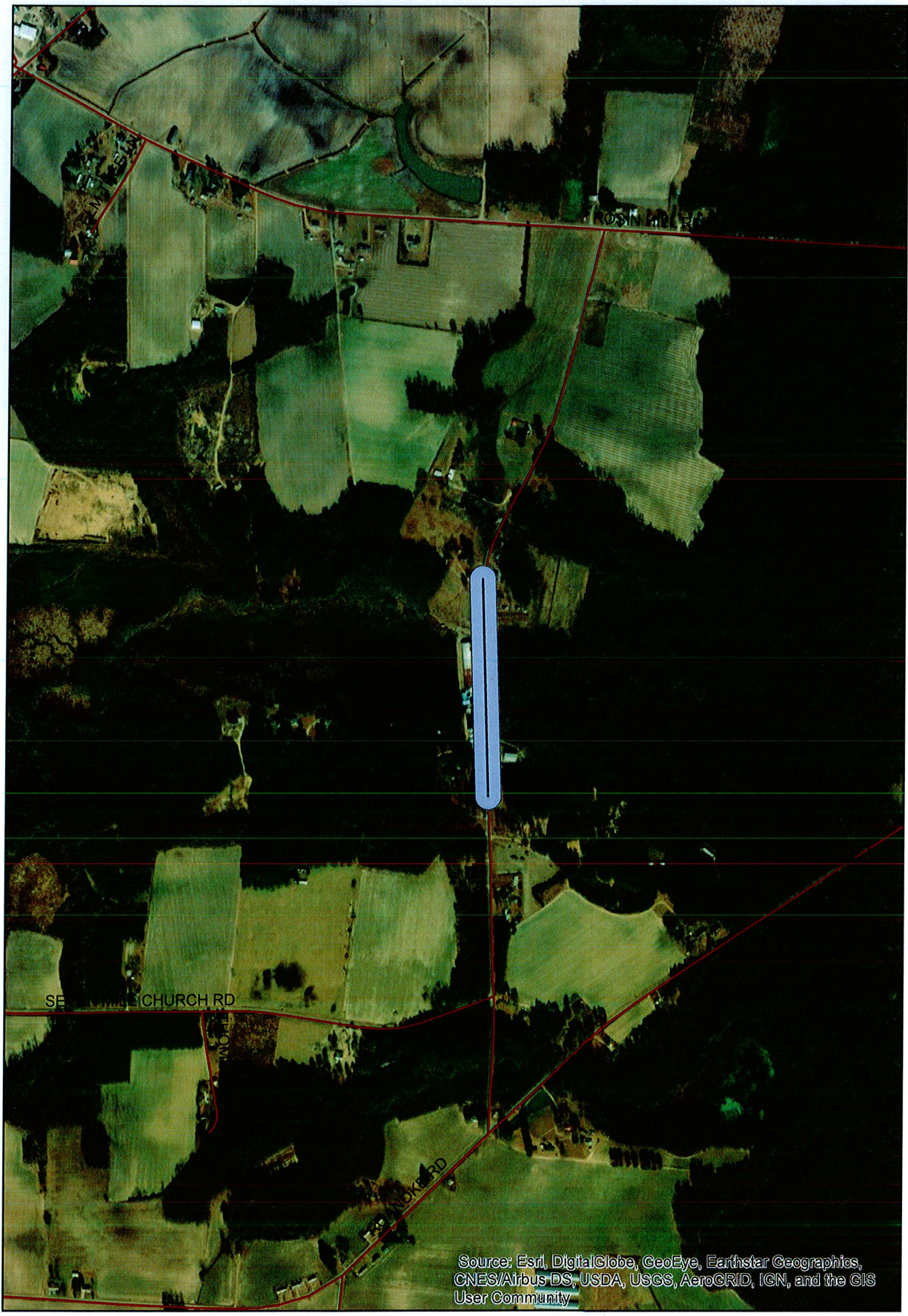
USGS Topo Quads - Timothy & Newton Grove South



BR-0121



Portion of the Newton Grove South and Timothy topographic maps relating the location and boundaries of the APE in Sampson County, North Carolina.



ARC-GIS aerial shape file map relating the location and boundaries of the APE in Sampson County, North Carolina.