



COASTAL RESOURCES DIVISION  
ONE CONSERVATION WAY · BRUNSWICK, GA 31520 · 912-264-7218

WALTER RABON  
COMMISSIONER

DOUG HAYMANS  
DIRECTOR

**JUN 14 2024**

Pam Tutten  
ECS Southeast, LLC  
1281 Kennestone Circle, Suite 200  
Marietta, GA 30066

**Re: Letter of Permission (LOP), Geotechnical Exploration within Coastal Marshlands Protection Act (CMPA) Jurisdiction, Soil Survey Borings along SR 26/US80 between Bull River and Lazaretto Creek, McQueens Island, Chatham County, Georgia (NWP #6/SAS-2015-00380)**

Dear Ms. Tutten:

This Letter of Permission (LOP) is in response to your request on behalf of ECS Southeast, LLP to capture soil survey borings along SR 26/US80 between Bull River and Lazaretto Creek, McQueens Island, Chatham County, Georgia. The work will begin no sooner than 15 days from the date of this letter and be completed within six months.

This request is specifically associated with geotechnical borings to aid Georgia Department of Transportation (GDOT) in the design of the replacement of two bridges for US Highway 80. One bridge is over Bull River and the second bridge is over Lazaretto Creek (GDOT PI 0017415). The activities are a follow-up to similar activities previously authorized for the same project. The scope of work will include two boring locations as depicted in the attached plans.

The Bull River exploration will consist of drilling three soil test borings (DH-1BR, SCPT-31BR, and one alternative DH-1BR). Each bore is approximately 16 inches in diameter and will bore to approximate depths of 800 feet below the ground surface to collect soil samples and to obtain information for the design of the new bridge foundations. No pilings will be installed. The borings will be conducted by utilizing a self-contained mud rotary drilling system, and drilling spoil will not contact the ground surface. Drilling operations will be limited to the maintained roadside area between the wetland and U.S. Highway 80.

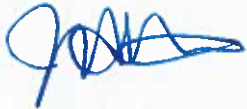
The Lazaretto Creek exploration will consist of drilling two soil test borings (DH-1LC, SCPT-ALC), and one alternate boring. Boring DH-1LC is approximately 16 inches in diameter and will be performed to an approximate depth of 800 feet below the ground surface to collect soil samples and to obtain information for the design of the foundations of the new bridge. Should boring DH-1LC have to be abandoned, an alternate location will be utilized. The borings will be conducted by utilizing a self-contained mud rotary drilling system, and drilling spoils will not contact the ground surface. Drilling operations will be limited to the maintained roadside area between the wetland and US Highway 80. Boring SCPT-ALC will be a Seismic Cone Penetration Test (SCPT) sounding approximately 3 inches in diameter extended to refusal depth of approximately 100 feet.

The Department authorizes the infrastructure maintenance as depicted in the attached plans. It is the responsibility of the Agent to review the scope of work authorized by this LOP with any, and all contractors or subcontractors. It is the joint responsibility of all parties to abide by the conditions set forth in this LOP. This LOP is not meant to exempt the above referenced activity from future environmental laws. **No unauthorized equipment, materials or debris may be placed, disposed of, or stored in jurisdictional areas.** Any incidental impacts associated with this project must be rectified by fully restoring areas to their pre-operational topographic and vegetative states.

This authorization does not relieve you from obtaining any other required federal, state, or local permits. Tidal water bottoms and marshlands of coastal Georgia are public trust lands controlled by the State, except for such lands where a validated Crown Grant or State Grant exists. The construction of the project proposed for this license must be completed 6 months from the date of issuance of the license. Future maintenance activities that occur within tidal waters and have the potential to cause adverse impact, either temporary or permanent, or that will be in the public's interest shall be reported to the Georgia Department of Natural Resources' Coastal Resources Division.

Please feel free to contact Deb Barreiro at 912.266.3695 if you have any questions regarding this or any other authorizations.

Sincerely,



Jill Andrews  
Chief, Coastal Management Section

Enclosures: Revocable License, Federal Consistency Certification Statement, NWP#6 Verifications/SAS-2015-00380, Site Location Diagram, ECS Work Plan

cc: Melissa Memory  
Fort Pulaski National Monument  
P.O. Box 30757  
Savannah, GA 31410

Michelle Owens  
City of Tybee Island  
P.O. Box 2749  
Tybee Island, GA 31328

LOP20240005

# FEDERAL CONSISTENCY CERTIFICATION STATEMENT

Printed Name of Applicant(s): Cassius O. Edwards

Applicant Email: cedwards@dot.ga.gov Phone: 912.530.4370

Agent Name (if applicable): Pamela Tutton Phone: 770-845-4078

To Whom It May Concern:

This is to certify that I have made application to the U.S. Army Corps of Engineers (USACE) for authorization to impact Waters of the United States and that such proposed work is, to the best of my knowledge, consistent with Georgia's Coastal Management Program.

I understand I must provide this Consistency Certification Statement, along with a copy of my permit application submitted to USACE, to the Georgia Department of Natural Resources Coastal Resources Division (CRD) before they can begin evaluating my proposed project for consistency with Georgia's enforceable policies. I understand additional information may be required to facilitate review.

Once any required authorizations or permits from CRD have been issued, and CRD has concurred with my findings by signing this Consistency Certification Statement, CRD must submit it to USACE in order for them to issue any required federal permits or authorizations, or to validate any provisional authorizations they have already issued. A USACE provisional authorization or permit will not be valid until they receive this Certification Statement signed by CRD.

Attached is a copy of my application to USACE (required)

Signature of Applicant: Cassius O. Edwards Digitally signed by Cassius O. Edwards  
Date: 2024.04.16 08:24:51 -0400 Date: 04/16/2024

FOR AGENCY INTERNAL USE ONLY:	Date Received (Commencement Date): <u>04/16/2024</u>
USACE Authorization/Permit Number (assigned by USACE): <u>2015-00380</u>	
USACE Authorization Type (select one): <input type="checkbox"/> Individual Permit <input type="checkbox"/> General Permit # <u>    </u> <input checked="" type="checkbox"/> NWP # <u>6</u>	
USACE Project Manager: <u>K. Brian Moore</u>	
CRD Authorization/Permit Number (assigned by CRD): <u>LOP20240005</u>	
CRD Project Manager: <u>Deb Barreiro</u>	

**CRD HAS REVIEWED AND CONCURS WITH THIS CONSISTENCY CERTIFICATION STATEMENT TO THE EXTENT THE USACE AUTHORIZED PROJECT DESCRIPTION IS CONSISTENT WITH THE AUTHORIZED PROJECT DESCRIPTION FOR ANY CRD PERMIT ISSUED FOR THIS PROJECT**

CRD Signature:  Date: JUN 14 2024  
Printed Name: Jill Andrews Title: Chief, Coastal Management Section

For questions regarding consistency with the Georgia Coastal Management Program, please contact the Federal Consistency Coordinator at (912) 264-7218 or visit [www.CoastalGADNR.org](http://www.CoastalGADNR.org).

STATE OF GEORGIA

REVOCABLE LICENSE FOR THE USE OF TIDAL WATERBOTTOMS

APPLICANT NAME(S): Cassius O. Edwards  
MAILING ADDRESS: 600 W Peachtree St NW, Atlanta, GA 30308  
(Street) (City) (State) (Zip)  
PROJECT ADDRESS/LOCATION: SR 26 / US 80 at Bull River & Lazaretto Creek- Savannah  
COUNTY: Chatham WATERWAY: Bull River & Lazaretto Creek  
LOT, BLOCK & SUBDIVISION NAME FROM DEED: NA

The State of Georgia hereby grants you a revocable license not coupled with an interest<sup>1</sup>. This area may now or in the future be utilized by boats employing power drawn nets under the provisions for commercial or sport bait shrimping. In its occupancy and use of the premises, licensee shall not discriminate against any person on the basis of race, gender, color, national origin, religion, age, or disability. This covenant by licensee may be enforced by termination of this license, by injunction, and/or by any other remedy available at law to the Georgia Department of Natural Resources.

Attached hereto and made a part of this license are the project description, drawing(s), and terms and conditions that are the subject of this license. The project approved for this license must be constructed and completed within the specified timeframe noted in the terms and conditions and must be maintained in serviceable condition. Otherwise, action will be initiated to revoke this license and all structures must be removed immediately at the licensee's expense.

STATE OF GEORGIA  
Office of the Governor

By:   
For: Walter Rabon  
Commissioner-DNR

Date: JUN 14 2024

Enclosures:

LOP20240005

<sup>1</sup> Tidal water bottoms and marshlands of coastal Georgia are public trust lands owned by the State, except where ownership of such lands is demonstrated through an unbroken chain of title to a valid Crown or State Grant, which explicitly conveys the beds of such tidewaters. The Revocable License authorizes use of lands presumed to be owned by the State of Georgia, and which are under control of the State. This Revocable License is issued with the understanding and condition that it could be rendered invalid should another person demonstrate ownership to such lands pursuant to a valid Crown Grant or State Grant. This Revocable License is issued with the understanding that such lands are subject to the public trust doctrine.



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT  
100 W. OGLETHORPE AVENUE  
SAVANNAH, GEORGIA 31401-3604

JUNE 11, 2024

Regulatory Division  
SAS-2015-00380  
GDOT P.I. 0017414

Mr. Robert L. Johnson  
District Program Manager  
Georgia Department of Transportation  
600 West Peachtree Street Northwest  
Atlanta, Georgia 30308

Dear Mr. Johnson:

I refer to the Pre-Construction Notification submitted on April 9, 2024, requesting verification for use of Nationwide Permit (NWP) No. 6 to temporarily impact 0.000066 acre (4.17 square feet) of tidal wetland adjacent to the Bull River for the advancement of three geotechnical borings. The project is located along U.S. Highway (US) 80/State Route (SR) 26 as it crosses the Bull River in Savannah, Chatham County, Georgia (Latitude 32.0403, Longitude -80.9511). The geotechnical drilling and subsurface sampling will be performed in preparation for the future replacement of the existing Bull River Bridge on U.S. 80/SR 26. This project has been assigned number SAS-2015-00380 and it is important that you refer to this number in all communication concerning this matter.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at <http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx>. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that your proposed activity is authorized under NWP 6, as described in Part B of the NWP Program. However, at this time, the Georgia Department of Natural Resources, Coastal Resources Division (Georgia CRD), has denied Georgia Coastal Management Program (GCMP) certification, pursuant to the Coastal Zone Management Act, of 1972 (16 U.S.C. § 1455), as amended, for use of a NWP for your project.

This letter is the U.S. Army Corps of Engineers' provisional verification for your use of NWP 6, and does not authorize work in aquatic resources on the project site. Prior to

beginning work in aquatic resources, you must obtain GCMP certification from the Georgia CRD for your project and submit a copy of this certification to this office.

Once you submit a copy of the GCMP Certification for your project to this office, you will have fulfilled this prerequisite for use of the NWP. You will not receive confirmation of receipt of the required certification from this office.

Please be advised that if you fail to obtain and submit the necessary GCMP Certification prior to beginning work, this action would be considered a willful and knowing violation of Section 404 of the Clean Water Act and appropriate enforcement action will be taken.

Your use of this NWP is valid only if you comply with all of the following conditions:

a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP, as described at Part C of the NWP Program and the Savannah District's Regional Conditions for NWPs.

b. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.

c. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

We have determined that this project would have "no effect" on federally threatened and endangered species listed in Chatham County. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act. See Part (C) of 86 FR for more information.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 14, 2026. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-

case basis. Any prior approvals would not be a determining factor in making a decision on any future request.

Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

An electronic copy of this letter is being provided to the following party: Ms. Pam Tutten of ECS Southeast, LLC (PTutten@ecslimited.com).

Thank you in advance for completing our on-line Customer Survey Form located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. We value your comments and appreciate your taking the time to complete a survey each time you have interaction with our office.

If you have any questions, please contact me at (912) 652-5349.

Sincerely,



K. Brian Moore

Team Lead, Management Branch

Enclosures

Regulatory Division

CERTIFICATION OF COMPLIANCE  
WITH  
DEPARTMENT OF THE ARMY  
NATIONWIDE PERMIT 6

PERMIT FILE NUMBER: SAS-2015-00380/GDOT P.I. 0017414

PERMITTEE/ADDRESS: Mr. Robert L. Johnson, District Program Manager, Georgia Department of Transportation, 600 West Peachtree Street Northwest, Atlanta, Georgia 30308

LOCATION OF WORK: The project is located along U.S. Highway 80/State Route 26 as it crosses the Bull River in Savannah, Chatham County, Georgia (Latitude 32.0403, Longitude -80.9511).

PROJECT DESCRIPTION: Temporary impacts to 0.000066 acre (4.17 square feet) of tidal wetland adjacent to the Bull River for the advancement of three geotechnical borings.

ACRES AND/OR LINEAR FEET OF WATERS OF THE UNITED STATES IMPACTED: 0.000066 acre (4.17 square feet) of tidal wetland

DATE WORK IN WATERS OF UNITED STATES COMPLETED: \_\_\_\_\_

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions at Part C of the Nationwide Permit Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR), it may be subject to suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date





Client:



Project:

BULL RIVER  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

SITE LOCATION  
MAP

CHATHAM COUNTY



Drawn By: AMC

Scale: 1" = 2,000'

Approved By: PMS

Date: 03/28/2024

ECS Project No.

49: 9273

FIGURE 1



**Legend**

Project Study Area



Curve # 2  
 P1 STA= 665+90.64  
 PI STA= 74386.99  
 E= 0331616.42  
 DELTA= 28° 01' 16.2" RT  
 D= 02' 02.20' 38"  
 T= 101.16  
 L= 1374.26  
 R= 2810.00  
 E= 86.16  
 e= 4.002

Curve # 2

STA.	SE	LEFT	RIGHT
50+71	6.60	-2.002	-2.002
51+71	11.61	0.002	-2.002
50+73	18.00	0.002	-2.002
50+99	18.00	0.002	-4.002
72+25	18.00	0.002	-2.002
72+25	18.00	0.002	-2.002
72+25	18.00	0.002	-2.002
72+25	18.00	0.002	-2.002
72+25	18.00	0.002	-2.002
123+70	18.00	-2.002	-2.002

NOTE: OVERLAPPING DELINEATION OF THE SURVEY LINE IS NOT SHOWN.

ESA - SEE GENERAL NOTES  
 FOR CONSTRUCTION RESTRICTIONS  
 ENVIRONMENTAL RESOURCES IMPACT TABLE

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

EXISTING BRIDGE

Boring DH-1BR

Sounding SCPT-31BR

Boring DH-1BR (ALT)

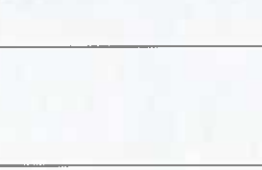
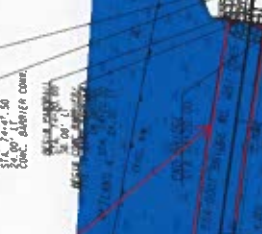
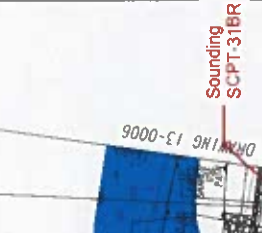
WATCHLINE STA. 5+00 SEE DRAWING 13-0000

WATCHLINE STA. 62+00 SEE DRAWING 13-0004

WATCHLINE STA. 62+00 SEE DRAWING 13-0004

WATCHLINE STA. 62+00 SEE DRAWING 13-0004

WATCHLINE STA. 62+00 SEE DRAWING 13-0004



WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

WETLAND 4

NOTE: ESA-FORT PHILASKI NATIONAL MONUMENT  
 ENCOMPASSES ENTIRE SHEET

REVISION DATES

NO.	DATE	DESCRIPTION

TYLON INTERNATIONAL  
 260 PEACHTREE STREET, SUITE 900  
 ATLANTA, GEORGIA, 30309  
 PHONE: (404) 841-7880 FAX: (404) 841-7887

SCALE IN FEET  
 0 50 100 200

PROGRAM DELIVERY

BEGIN LIMIT OF ACCESS.....BLA  
 END LIMIT OF ACCESS.....ELA  
 LIMIT OF ACCESS.....ELA  
 REQ'D ROW & LIMIT OF ACCESS

PROPERTY AND EXISTING ROW LINE  
 REQUIRED ROW LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTR  
 & MAINTENANCE OF SLOPES  
 EASEMENT FOR CONSTR OF DRIVES

CONSTRUCTION PLAN  
 SR 26 / US 80 AT  
 BULL RIVER

DATE: 05/18/04  
 DRAWING NO. 13-0005



DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT  
100 W. OGLETHORPE AVENUE  
SAVANNAH, GEORGIA 31401-3604

JUNE 11, 2024

Regulatory Division  
SAS-2015-00380  
GDOT P.I. 0017415

Mr. Cassius Edwards  
Associate Project Manager 2  
Georgia Department of Transportation  
600 West Peachtree Street Northwest  
Atlanta, Georgia 30308

Dear Mr. Edwards:

I refer to the Pre-Construction Notification submitted on April 22, 2024, requesting verification for use of Nationwide Permit (NWP) No. 6 to temporarily impact 0.000066 acre (4.17 square feet) of tidal wetland adjacent to Lazaretto Creek for the advancement of three geotechnical borings. The project is located along U.S. Highway (US) 80/State Route (SR) 26 as it crosses Lazaretto Creek in Savannah, Chatham County, Georgia (Latitude 32.0156, Longitude -80.8824). The geotechnical drilling and subsurface sampling will be performed in preparation for the future replacement of the existing Lazaretto Creek Bridge on U.S. 80/SR 26. This project has been assigned number SAS-2015-00380 and it is important that you refer to this number in all communication concerning this matter.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at <http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx>. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that your proposed activity is authorized under NWP 6, as described in Part B of the NWP Program. However, at this time, the Georgia Department of Natural Resources, Coastal Resources Division (Georgia CRD), has denied Georgia Coastal Management Program (GCMP) certification, pursuant to the Coastal Zone Management Act, of 1972 (16 U.S.C. § 1455), as amended, for use of a NWP for your project.

This letter is the U.S. Army Corps of Engineers' provisional verification for your use of NWP 6, and does not authorize work in aquatic resources on the project site. Prior to beginning work in aquatic resources, you must obtain GCMP certification from the Georgia CRD for your project and submit a copy of this certification to this office.

Once you submit a copy of the GCMP Certification for your project to this office, you will have fulfilled this prerequisite for use of the NWP. You will not receive confirmation of receipt of the required certification from this office.

Please be advised that if you fail to obtain and submit the necessary GCMP Certification prior to beginning work, this action would be considered a willful and knowing violation of Section 404 of the Clean Water Act and appropriate enforcement action will be taken.

Your use of this NWP is valid only if you comply with all of the following conditions:

- a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP, as described at Part C of the NWP Program and the Savannah District's Regional Conditions for NWPs.
- b. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.
- c. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

We have determined that this project would have "no effect" on federally threatened and endangered species listed in Chatham County. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act. See Part (C) of 86 FR for more information.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 14, 2026. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-case basis. Any prior approvals would not be a determining factor in making a decision on any future request.

Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

An electronic copy of this letter is being provided to the following party: Ms. Pam Tutten of ECS Southeast, LLC (PTutten@ecslimited.com).

Thank you in advance for completing our on-line Customer Survey Form located at <https://regulatory.ops.usace.army.mil/customer-service-survey/>. We value your comments and appreciate your taking the time to complete a survey each time you have interaction with our office.

If you have any questions, please contact me at (912) 652-5349.

Sincerely,



K. Brian Moore

Team Lead, Management Branch

Enclosures

Regulatory Division

CERTIFICATION OF COMPLIANCE  
WITH  
DEPARTMENT OF THE ARMY  
NATIONWIDE PERMIT 6

PERMIT FILE NUMBER: SAS-2015-00380/GDOT P.I. 0017415

PERMITTEE/ADDRESS: Mr. Cassius Edwards, Associate Project Manager 2  
Georgia Department of Transportation, 600 West Peachtree Street Northwest, Atlanta,  
Georgia 30308

LOCATION OF WORK: The project is located along U.S. Highway 80/State Route 26  
as it crosses Lazaretto Creek in Savannah, Chatham County, Georgia (Latitude  
32.0156, Longitude -80.8824).

PROJECT DESCRIPTION: Temporary impacts to 0.000066 acre (4.17 square feet) of  
tidal wetland adjacent to Lazaretto Creek for the advancement of three geotechnical  
borings.

ACRES AND/OR LINEAR FEET OF WATERS OF THE UNITED STATES IMPACTED:  
0.000066 acre (4.17 square feet) of tidal wetland

DATE WORK IN WATERS OF UNITED STATES COMPLETED: \_\_\_\_\_

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions at Part C of the Nationwide Permit Program, published in the January 13, 2021, Federal Register, Vol. 86, No. 8, Pages 2744-2877 (86 FR) and/or the December 27, 2021, Federal Register, Vol. 86, No. 245, Pages 73522-73583 (86 FR), it may be subject to suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date



Client:



Project:

LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

SITE LOCATION  
MAP

CHATHAM COUNTY



Drawn By:  
AMC

Scale:  
1" = 2,000'

Approved By:  
PMS


Date:  
04/02/2024

ECS Project No.  
49: 9273

FIGURE 1

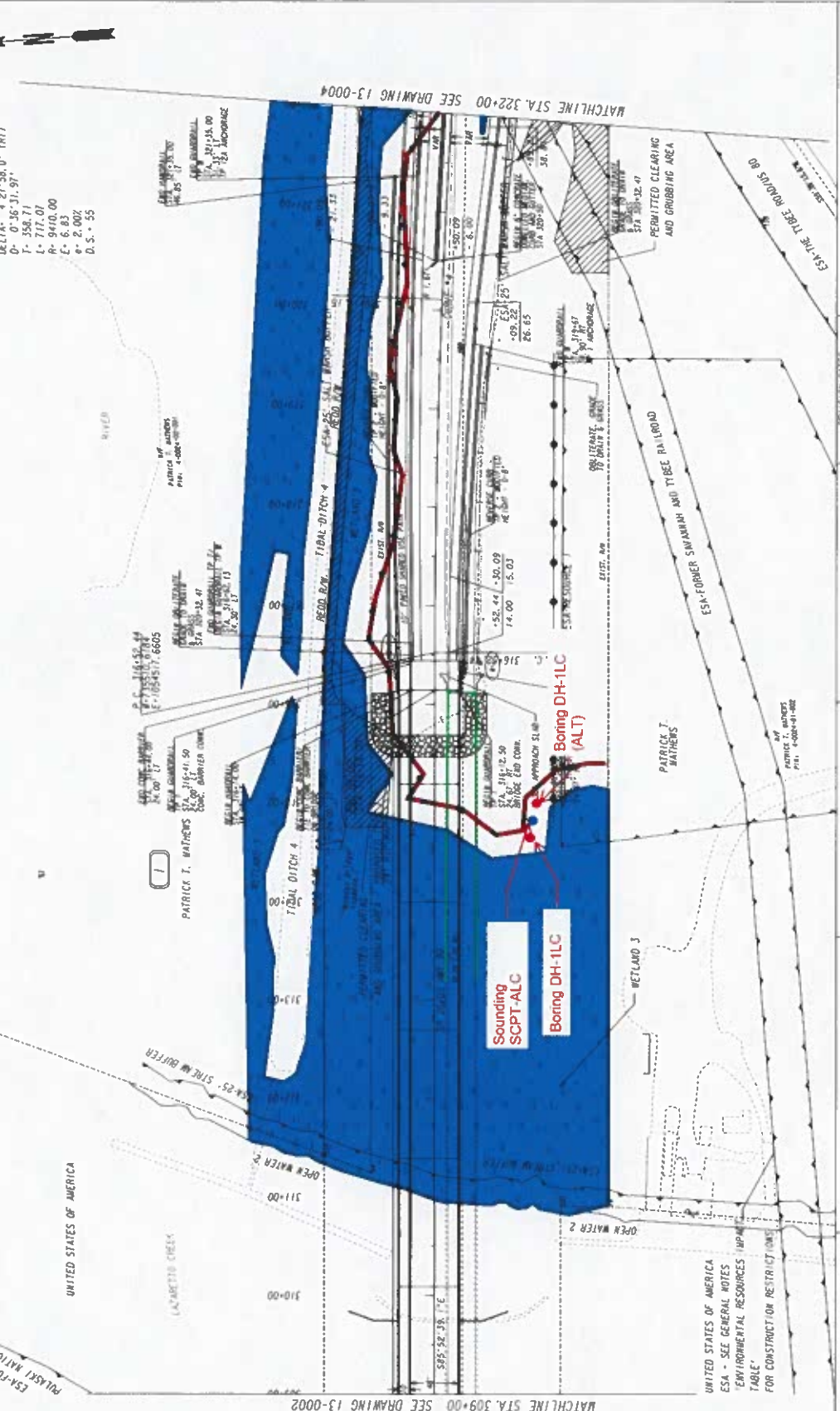


**Legend**

 Project Study Area



Curve #4  
PI Sta = 320+11.15  
N = 735484.8313  
E = 1054875.4416  
DELTA = 4°21'58.0" (RT)  
D = 0°36'31.97"  
T = 358.71  
L = 717.07  
P = 9410.00  
E = 6.63  
F = 2.002  
D.S. = 35



Matchline Sta. 309+00 See Drawing 13-0002

Matchline Sta. 322+00 See Drawing 13-0004

Scale: 1" = 50'

Scale: 1" = 200'

Program Delivery

TYL INTERNATIONAL  
1000 Marietta St. NW, Suite 210  
Atlanta, GA 30318  
Phone: (404) 841-7886 Fax: (404) 841-7887

CONSTRUCTION PLAN  
SR 26 / US 80 AT  
LAZARETTO CREEK

DESIGNED	DATE
CHECKED	DATE
APPROVED	DATE
DATE	DATE

DRAWING NO. 13-0003

PROPERTY LINE  
EXISTING ROW LINE  
ACQUIRED ROW LINE  
CONSTRUCTION LIMITS  
EASEMENT FOR CONSTR  
E & MAINTENANCE OF SLOPES  
EASEMENT FOR CONSTR OF DRAINAGE

BEGIN LIMIT OF ACCESS  
END LIMIT OF ACCESS  
LIMIT OF ACCESS  
ROW D.F.W. & LIMIT OF ACCESS  
ORANGE BARRIER FENCE  
ESA-ENV. SENSITIVE AREA  
WETLAND

BLA  
ELA  
E  
C  
E  
E

FOR CONSTRUCTION RESTRICTIONS

UNITED STATES OF AMERICA  
ESA - SEE GENERAL NOTES  
ENVIRONMENTAL RESOURCES IMPACT



# WETLANDS PERMIT APPLICATION



LAZARETTO CREEK BRIDGE SITE

US HIGHWAY 80/STATE ROAD 26 (TYBEE ISLAND CAUSEWAY) AT  
LAZARETTO CREEK  
SAVANNAH, GEORGIA 31328

ECS PROJECT NO. 49:10-9273-D

SAS-2015-00380

APRIL 22, 2024





April 22, 2024

U.S. Army Corps of Engineers  
Savannah District  
Regulatory Branch  
101 West York Street  
Savannah, Georgia 31401

Georgia Department of Natural Resources  
Coastal Resources Division  
One Conservation Way, Suite 300,  
Brunswick, Georgia 31520

ECS Project No. 49:10-9273-D

Reference: Pre-Construction Notification Application (NWP #6), Lazaretto Creek Bridge Site, US Highway 80/State Road 26 (Tybee Island Causeway) at Lazaretto Creek, Savannah, Chatham County Georgia

To Whom It May Concern:

Please find a copy of the Pre-Construction Notification Application for a Nationwide Permit (NWP) 6 for Survey Activities - Geotechnical Borings and a Coastal Zone Management Act (CZMA) consistency letter request for Lazaretto Creek Bridge Site (SAS-2015-00380) located at US Highway 80/ State Road 26 (Tybee Island Causeway) at Lazaretto Creek in Savannah, Chatham County, Georgia. If you have any questions, please contact Pam Tutten at 770-590-1971 or ptutten@ecslimited.com.

Sincerely,

ECS Southeast, LLP

Pam Tutten  
Environmental Senior Project Manager  
ptutten@ecslimited.com  
770-590-1971

Paul M. Stephens IV, P.E., PWS  
Associate Principal  
pstephens@ecslimited.com  
843-654-4448

## 1.0 INTRODUCTION

Georgia Department of Transportation (GDOT) is proposing to perform geotechnical borings to aid in the design of the replacement of a bridge for US Highway 80 over Lazaretto Creek (GDOT PI 0017415) in Savannah, Chatham County, Georgia. The proposed activities will include two boring locations with one alternative boring location along the south side of US Highway 80 and to the east of Lazaretto Creek.

On behalf of GDOT (applicant), ECS is requesting the use of a Nationwide Permit (NWP) 6 for Survey Activities (Geotechnical Borings) for the Lazaretto Creek Bridge Site to authorize impacts for **temporary disturbance of 0.000066 acre (4.17 square feet) of jurisdictional wetland and tidal marsh area.**

## 2.0 PROJECT PURPOSE & NEED

The site is located US Highway 80/State Road 26 at Lazaretto Creek in Savannah, Chatham County, Georgia (Figure 1). The purpose of the project is to aid in the design of a replacement bridge over Lazaretto Creek (GDOT PI 0017415).

The exploration will consist of drilling two soil test borings (DH-1LC, SCPT-ALC), and one alternate boring. Boring DH-1LC is approximately 16 inches in diameter and will be performed to an approximate depth of 800 feet below the ground surface to collect soil samples and to obtain information for the design of the foundations of the new bridge. Should boring DH-1LC have to be abandoned, an alternate location will be utilized to start over. The borings will be conducted by utilizing a self-contained mud rotary drilling system, and drilling spoils will not make contact with the ground surface. Drilling operations will be limited to the maintained roadside area between the wetland and US Highway 80. Boring SCPT-ALC will be a Seismic Cone Penetration Test (SCPT) sounding approximately 3 inches in diameter extended to refusal depth of approximately 100 feet.

### 3.0 BACKGROUND

The Lazaretto Creek Bridge Site (SAS-2015-00380) is located at US Highway 80/State Road 26 (Tybee Island Causeway) at Lazaretto Creek in Savannah, Chatham County, Georgia (Figure 1). The site consists of an approximate 0.10 acre portion of one parcel totaling approximately 2,196 acres. According to the Chatham County GIS Website, the Parcel Identification Number (PIN) is 10025 01001 (2,196 acres). The site currently consists of a field. Surrounding areas consist of tidal marsh, fields, and US Highway 80. Based on the United States Geological Survey (USGS) Topographic Map, no surface waters are depicted onsite. (Figure 2).

#### 4.0 PREVIOUS PERMITS & AGENCY COORDINATION

ECS previously performed a formal NWP submittal and Preliminary Jurisdictional Determination (JD) request for proposed geotechnical borings to be located within Lazaretto Creek at the US Highway 80/State Road 26 Lazaretto Creek bridge site. The purpose of the project was to aid in the design of a replacement bridge for US Highway 80 over Lazaretto Creek.

A copy of the previous site boundary and figures are included as attachments.

#### 4.1 Agency Field Verification & JD

ECS submitted for verification under a Preliminary Jurisdictional Determination (PJD) on July 28, 2020 along with the PCN submittal for a NWP 6. The project was assigned a USACE project manager under project number SAS-2015-00380. On October 21, 2020, ECS received a NWP 6 approval for the scope of work. The approval letter also states that the USACE concurs with the delineation and that it will remain valid for a period of 5-years unless new information warrants revision prior to that date.

#### 4.2 NWP 6 & Permitting Efforts - (SAS-2015-00380)

##### NWP 6 - 2020 - Initial Authorization

On July 28, 2020, ECS submitted a NWP 6 - Survey Activities for proposed geotechnical borings to be located within Lazaretto Creek at the US Highway 80/State Road 26 Lazaretto Creek bridge site (PI No. 0017415). The purpose of the project was to aid in the design of a replacement bridge for US Highway 80 over Lazaretto Creek.

On October 21, 2020, ECS received a NWP 6 approval to impact 26.1 square inches of open water bottom within Lazaretto Creek for the advancement of two geotechnical borings. The geotechnical drilling and subsurface sampling will be performed in preparation for the future replacement of the existing Lazaretto Creek Bridge on U.S. 80/SR 26. The permit also states that the delineation dated June 23, 2020, accurately identifies the delineated limits of all aquatic resources within the site boundary. The wetlands were delineated in accordance with criteria contained in the 1987 "Corps of Engineers Wetland Delineation Manual," as amended by the most recent regional supplements to the manual. This delineation will remain valid for a period of 5-years unless new information warrants revision prior to that date.

A copy of the previously approved NWP is included as an attachment.

##### NWP 6 - 2022 - Re-authorization

On May 12, 2022, ECS submitted a NWP 6 in order to request reauthorization under the previously approved NWP 6 for previously permitted geotechnical borings to be located within Lazaretto Creek at the US Highway 80/State Road 26 Lazaretto Creek bridge site (Georgia Department of Transportation PI No. 0017415). The geotechnical work had already been initiated, but had not been completed prior to the expiration of the NWP 6. The purpose of the project was to aid in the design of a replacement bridge for US Highway 80 over Lazaretto Creek.

Copies of the previously issued and authorized permits can be provided upon request.



### 4.3 GDNR CRD Coordination

ECS previously completed permitting and CRD coordination for permitting efforts associated with a NWP 6, and submitted the permit application concurrently on May 12, 2022. As part of the previous application, ECS submitted for a CZMA consistency letter. In addition to the CZMA and due to the nature of the drilling activities within Lazaretto Creek, ECS also completed a Revocable License Request for the Use of Tidal Waterbottoms.

ECS reached out to CRD personnel concerning the proposed project. Per the GDNR CRD request for the proposed activities, a copy of this PCN will be submitted concurrently to their office for their review along with the completed requests for Use of Tidal Waterbottoms, Letter of Permission, and Federal Consistency.

As part of this permit application, ECS is requesting concurrent review for the CZMA with the NWP 6 for the proposed impacts on site. A copy of the CRD applications are included as attachments.

## 5.0 DIRECT & INDIRECT ENVIRONMENTAL IMPACTS

The geotechnical plan proposes approximately 16 inches (diameter) for each boring for a total of **0.000066 acre (4.17 square feet)** of temporary impacts to jurisdictional wetland and tidal marsh area. Drilling operations will be limited to the maintained roadside area between the salt marsh and US Highway 80.

Per the request of the Georgia Department of Natural Resources (GDNR) Coastal Resource Division (CRD), boring activities will avoid oyster reefs in the vicinity of the project area. The nearest bore is greater than approximately 100 feet from the known oyster reefs. Additionally, per the GDNR CRD the applicant acknowledges no grounding, mooring, or spudding will occur in or within approximately 100 feet of the oyster reefs.

### 5.1 Avoidance and Minimization

The proposed wetland and tidal marsh boring locations and access point have been minimized to the greatest extent possible and are temporary. The drill rig will be driven to the edge of the wetland, as to not cause additional impacts to the wetland. The majority of the wetland area within the project boundary will be avoided.



## **6.0 PROPOSED IMPACTS & COMPENSATORY MITIGATION**

Activities associated with the proposed geotechnical borings will result in temporary minimal impacts to jurisdictional wetlands. No compensatory mitigation is proposed for this project.

## 7.0 GDNR CRD COORDINATION

ECS previously completed permitting and CRD coordination for permitting efforts associated with a NWP 6, and submitted the permit application concurrently on May 12, 2022. As part of the previous application, ECS submitted for a CZMA consistency letter. In addition to the CZMA and due to the nature of the drilling activities within Lazaretto Creek, ECS also completed a Revocable License Request for the Use of Tidal Waterbottoms.

A copy of this PCN will be submitted concurrently to the GDNR CRD office for their review. The CZMA consistency application and Revocable License Request for the Use of Tidal Waterbottoms is included as an attachment.

As part of this permit application, ECS is requesting concurrent review for the CZMA with the NWP 6 for the proposed impacts on site.

## 8.0 PROPOSED MITIGATION

Activities associated with the proposed geotechnical borings will result in temporary impacts to jurisdictional wetlands. No compensatory mitigation is proposed for this project.

## 9.0 AGENCY CORRESPONDENCE

### 9.1 Threatened & Endangered Species

#### 9.1.1 Georgia Department of Natural Resources Historical Preservation Division (GAHPD) database - Georgia's Natural, Archeological, and Historic Resources GIS (GNAHRGIS)

ECS utilized the GAHPD - GNAHRGIS database to request information regarding the program's knowledge of listed species, and/or associated habitat, and/or other protected and managed areas on site or in the surrounding areas. ECS submitted a Request for Known Occurrences of Natural Communities, Plants, and Animals of Highest Priority Conservation Status letter for the site and surrounding areas that are within a 2-mile radius. ECS was notified by the GNAHRGIS that they have received the request and they will respond with their conclusions once they have had a chance to review.

The PSA is located south of US Highway 80, east of Lazaretto Creek. Based on the desktop review and habitat description, wetlands and tidal marsh appear to be within the PSA.

A copy of the Request for Threatened and Endangered Species Consultation letter can be provided upon request, once issued.

#### 9.1.2 USFWS - IPaC & Desktop Review

ECS reviewed the USFWS IPaC Endangered Species Database to identify federally protected threatened and endangered species in Chatham County, Georgia. ECS utilized the USFWS IPaC database to acquire a listing of federally protected threatened and endangered species in Chatham County, Georgia that may have potential to occur on or within the vicinity of the site:

- Northern Long-eared Bat (*Myotis septentrionalis*) - Endangered;
- Tricolored Bat (*Perimyotis subflavus*) - Proposed Endangered;
- West Indian Manatee (*Trichechus manatus*) - Threatened;
- Eastern Black Rail (*Laterallus jamaicensis ssp. jamaicensis*) - Threatened;
- Piping Plover (*Charadrius melodus*) - Threatened;
- Rufa Red Knot (*Calidris canutus rufa*) - Threatened;
- Wood Stork (*Mycteria americana*) - Threatened;
- Eastern Indigo Snake (*Drymarchon couperi*) - Threatened;
- Green Sea Turtle (*Chelonia mydas*) - Threatened;
- Hawksbill Sea Turtle (*Eretmochelys imbricata*) - Endangered;
- Kemp's Ridley Sea Turtle (*Lepidochelys kempii*) - Endangered;
- Leatherback Sea Turtle (*Dermochelys coriacea*) - Endangered;
- Loggerhead Sea Turtle (*Caretta caretta*) - Threatened;
- Monarch Butterfly (*Danaus plexippus*) - Candidate species; and
- Pondberry (*Lindera melissifolia*) - Endangered.

The PSA is located south of US Highway 80, east of Lazaretto Creek. Based on the desktop review and habitat description, wetlands and tidal marsh appear to be within the PSA.

A copy of the USFWS IPaC letter is included as an attachment in the appendices.

## Conclusions

ECS has conducted a brief desktop review for potential habitat concerning federally threatened and endangered species and the potential to occur within the vicinity of the site. The proposed project includes exploration that will consist of drilling three soil test borings and the operations will be limited to the wetland/tidal marsh area south of U.S. Highway 80, east of Lazaretto Creek.

The PSA is located south of US Highway 80, east of Lazaretto Creek Based on our knowledge and desktop review, ECS does not believe the proposed work will affect threatened and endangered species listed above on site. At the greatest level of concern, ECS would state that the proposed work may affect, but is not likely to adversely affect threatened and endangered species.

Please note that our services did not include detailed studies or surveys for threatened and endangered species. A copy of the IPAC and GNAHRGIS Report is included as attachments.

## 9.2 Cultural Resources

### 9.2.1 Desktop Review

ECS conducted a review of the Georgia's Natural, Archaeological, and Historic Resources GIS (GNAHRGIS) Online Map:

- The GNAHRGIS online map indicates that there are three known historic resources that are located within one half-kilometer of the project area.
  - Site 11006 - Battery Halleck
  - Site 11007 - Goat Point
  - Site 11008 - Quarantine Cemetery
- This resources are currently located listed as not significant and will not be impacted by the proposed project.
- No other buildings, districts, landscape features, objects, sites, or structures are located within one half-kilometer of the subject property.
- ECS reviewed the NRHP database for listings on site or in the immediate vicinity of the property. No listed historic places are located within a half-kilometer radius of the project area.

A copy of the GNAHRGIS and Listed NRHP Resource is included as an attachment.

## Conclusions

ECS has conducted a brief desktop review for potential cultural and/or archeological resources to occur within the vicinity of the site. Please note that this cursory review is not considered to be a complete Cultural and Archaeological Survey. Based on our knowledge and review of the desktop resources, ECS does not believe that additional assessment is necessary.

A copy of the GNAHRGIS is included within the appendices.

**10.0 CLOSING**

ECS looks forward to your attention to this request. Please contact Pam Tutton at 770-590-1971 or [ptutton@ecslimited.com](mailto:ptutton@ecslimited.com) with questions or if additional information is required.



# **Appendix I: PCN Application & Appendices**

U.S. Army Corps of Engineers (USACE)  
**NATIONWIDE PERMIT PRE-CONSTRUCTION NOTIFICATION (PCN)**

33 CFR 330. The proponent agency is CECW-CO-R.

*Form Approved -  
 OMB No. 0710-0003  
 Expires: 02-28-2022*

**DATA REQUIRED BY THE PRIVACY ACT OF 1974**

**Authority** Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Regulatory Program of the Corps of Engineers (Corps); Final Rule 33 CFR 320-332.

**Principal Purpose** Information provided on this form will be used in evaluating the nationwide permit pre-construction notification.

**Routine Uses** This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of the agency coordination process.

**Disclosure** Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued.

The public reporting burden for this collection of information, 0710-0003, is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or burden reduction suggestions to the Department of Defense, Washington Headquarters Services, at [whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil](mailto:whs.mc-alex.esd.mbx.dd-dod-information-collections@mail.mil). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

**PLEASE DO NOT RETURN YOUR RESPONSE TO THE ABOVE EMAIL.**

One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see *sample drawings and/or instructions*) and be submitted to the district engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

**(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)**

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
--------------------	----------------------	------------------	------------------------------

**(ITEMS BELOW TO BE FILLED BY APPLICANT)**

5. APPLICANT'S NAME First - Cassius Middle - Octavius Last - Edwards Company - State of Georgia-Dept of Transportation Company Title - Associate Project Manager 2 E-mail Address - cedwards@dot.ga.gov	8. AUTHORIZED AGENT'S NAME AND TITLE ( <i>agent is not required</i> ) First - Pam Middle - Last - Tutten Company - ECS Southeast LLC E-mail Address - PTutten@ecslimited.com
---	---

6. APPLICANT'S ADDRESS Address- 600 W Peachtree St NW City - Atlanta State - GA Zip - 30308 Country -USA	9. AGENT'S ADDRESS Address- 1281 Kennestone Circle NE City - Marietta State - GA Zip - 30066 Country -USA
--	---

7. APPLICANT'S PHONE NOS. with AREA CODE a. Residence b. Business c. Fax d. Mobile 912-530-4370	10. AGENT'S PHONE NOS. with AREA CODE a. Residence b. Business c. Fax d. Mobile 770-845-4078
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**STATEMENT OF AUTHORIZATION**

11. I hereby authorize, Pam Tutten to act in my behalf as my agent in the processing of this nationwide permit pre-construction notification and to furnish, upon request, supplemental information in support of this nationwide permit pre-construction notification.

Cassius O. Edwards <small>Digitally signed by Cassius O. Edwards                  Date: 2024.04.16 12:35:46 -04'00'</small>	2024-04-16
SIGNATURE OF APPLICANT	DATE

**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**

12. PROJECT NAME or TITLE (*see instructions*)  
 SR 26 / US 80 at Lazaretto Creek  
 GDOT PI #0017415



**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**

13. NAME OF WATERBODY, IF KNOWN ( <i>if applicable</i> ) Lazaretto Creek		14. PROPOSED ACTIVITY STREET ADDRESS ( <i>if applicable</i> ) SR 26 / US 80	
15. LOCATION OF PROPOSED ACTIVITY ( <i>see instructions</i> ) Latitude °N                      Longitude °W 32.015571                          -80.882359		City: Savannah	State: Zip: GA    31328

16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (*see instructions*)

State Tax Parcel ID 10025 01001	Municipality	
Section	Township	Range

17. DIRECTIONS TO THE SITE  
From I-16 E, take exit 167B towards Savannah. Turn right onto W Liberty St. Turn left onto E Broad St. Turn right onto E Presidents St. Slight left onto Island Parkway. Take ramp for US-80 E and the site will be on the right.

18. IDENTIFY THE SPECIFIC NATIONWIDE PERMIT(S) YOU PROPOSE TO USE  
NWP 6

19. DESCRIPTION OF PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)  
The site is located US Highway 80/State Road 26 at Lazaretto Creek in Savannah, Chatham County, Georgia. The purpose of the project is to aid in the design of a replacement bridge over Lazaretto Creek (GDOT PI #0017415). On behalf of GDOT, ECS is requesting the use of a Nationwide Permit (NWP) 6 for geotechnical borings to authorize impacts for temporary disturbance of 0.000066 acre (4.17 square feet) of jurisdictional wetland and tidal marsh.

20. DESCRIPTION OF PROPOSED MITIGATION MEASURES (*see instructions*)  
Activities associated with the proposed geotechnical borings will result in temporary minimal impacts to jurisdictional wetlands and tidal marsh. No compensatory mitigation is proposed for this project.

21. PURPOSE OF NATIONWIDE PERMIT ACTIVITY (*Describe the reason or purpose of the project, see instructions*)  
The site is located US Highway 80/State Road 26 at Lazaretto Creek in Savannah, Chatham County, Georgia (Figure 1). The purpose of the project is to aid in the design of a replacement bridge over Lazaretto Creek.

22. QUANTITY OF WETLANDS, STREAMS, OR OTHER TYPES OF WATERS DIRECTLY AFFECTED BY PROPOSED NATIONWIDE PERMIT ACTIVITY (*see instructions*)

Acres	Linear Feet	Cubic Yards Dredged or Discharged
0.000066		

**Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site.**

23. List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. (*see instructions*)  
N/A

24. If the proposed activity will result in the loss of greater than 1/10-acre of wetlands and requires pre-construction notification, explain how the compensatory mitigation requirement in paragraph (c) of general condition 23 will be satisfied, or explain why the adverse environmental effects are no more than minimal and why compensatory mitigation should not be required for the proposed activity.  
N/A

25. Is any portion of the nationwide permit activity already complete?  Yes  No If Yes, describe the completed work:

26. List the name(s) of any species listed as endangered or threatened under the Endangered Species Act that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. (see instructions)

N/A

27. List any historic properties that have the potential to be affected by the proposed NWP activity or include a vicinity map indicating the location of the historic property or properties. (see instructions)

N/A

28. For a proposed NWP activity that will occur in a component of the National Wild and Scenic River System, or in a river officially designated by Congress as a "study river" for possible inclusion in the system while the river is in an official study status, identify the Wild and Scenic River or the "study river":

N/A

29. If the proposed NWP activity also requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use a U.S. Army Corps of Engineers federally authorized civil works project, have you submitted a written request for section 408 permission from the Corps district having jurisdiction over that project?  Yes  No

If "yes", please provide the date your request was submitted to the Corps district:

30. If the terms of the NWP(s) you want to use require additional information to be included in the PCN, please include that information in this space or provide it on an additional sheet of paper marked Block 30. (see instructions)

N/A

31. Pre-construction notification is hereby made for one or more nationwide permit(s) to authorize the work described in this notification. I certify that the information in this pre-construction notification is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

Cassius O. Edwards Digitally signed by Cassius O. Edwards  
Date: 2024.04.16 12:39:35 -04'00'

2024-04-16  
DATE

Pamela Tutton Digitally signed by Pamela Tutton  
DN: cn=Pamela Tutton, e=ptutton@vermont.gov  
Reason: I am the author of this document  
Location: your signing location here  
Date: 2024.04.16 09:57:13-04'00'  
Distinguished Name: 11.2.2

SIGNATURE OF APPLICANT DATE SIGNATURE OF AGENT DATE

The pre-construction notification must be signed by the person who desires to undertake the proposed activity (applicant) and, if the statement in Block 11 has been filled out and signed, the authorized agent.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

**Instructions for Preparing a  
Department of the Army  
Nationwide Permit (NWP) Pre-Construction Notification (PCN)**

**Blocks 1 through 4.** To be completed by the Corps of Engineers.

**Block 5. Applicant's Name.** Enter the name and the e-mail address of the responsible party or parties. If the responsible party is an agency, company, corporation, or other organization, indicate the name of the organization and responsible officer and title. If more than one party is associated with the preconstruction notification, please attach a sheet of paper with the necessary information marked Block 5.

**Block 6. Address of Applicant.** Please provide the full address of the party or parties responsible for the PCN. If more space is needed, attach an extra sheet of paper marked Block 6.

**Block 7. Applicant's Telephone Number(s).** Please provide the telephone number where you can usually be reached during normal business hours.

**Blocks 8 through 11.** To be completed, if you choose to have an agent.

**Block 8. Authorized Agent's Name and Title.** Indicate name of individual or agency, designated by you, to represent you in this process. An agent can be an attorney, builder, contractor, engineer, consultant, or any other person or organization. Note: An agent is not required.

**Blocks 9 and 10. Agent's Address and Telephone Number.** Please provide the complete mailing address of the agent, along with the telephone number where he / she can be reached during normal business hours.

**Block 11. Statement of Authorization.** To be completed by the applicant, if an agent is to be employed.

**Block 12. Proposed Nationwide Permit Activity Name or Title.** Please provide a name identifying the proposed NWP activity, e.g., Windward Marina, Rolling Hills Subdivision, or Smith Commercial Center.

**Block 13. Name of Waterbody.** Please provide the name (if it has a name) of any stream, lake, marsh, or other waterway to be directly impacted by the NWP activity. If it is a minor (no name) stream, identify the waterbody the minor stream enters.

**Block 14. Proposed Activity Street Address.** If the proposed NWP activity is located at a site having a street address (not a box number), please enter it in Block 14.

**Block 15. Location of Proposed Activity.** Enter the latitude and longitude of where the proposed NWP activity is located. Indicate whether the project location provided is the center of the project or whether the project location is provided as the latitude and longitude for each of the "corners" of the project area requiring evaluation. If there are multiple sites, please list the latitude and longitude of each site (center or corners) on a separate sheet of paper and mark as Block 15.

**Block 16. Other Location Descriptions.** If available, provide the Tax Parcel Identification number of the site, Section, Township, and Range of the site (if known), and / or local Municipality where the site is located.

**Block 17. Directions to the Site.** Provide directions to the site from a known location or landmark. Include highway and street numbers as well as names. Also provide distances from known locations and any other information that would assist in locating the site. You may also provide a description of the location of the proposed NWP activity, such as lot numbers, tract numbers, or you may choose to locate the proposed NWP activity site from a known point (such as the right descending bank of Smith Creek, one mile downstream from the Highway 14 bridge). If a large river or stream, include the river mile of the proposed NWP activity site if known. If there are multiple locations, please indicate directions to each location on a separate sheet of paper and mark as Block 17.

**Block 18. Identify the Specific Nationwide Permit(s) You Propose to Use.** List the number(s) of the Nationwide Permit(s) you want to use to authorize the proposed activity (e.g., NWP 29).

**Block 19. Description of the Proposed Nationwide Permit Activity.** Describe the proposed NWP activity, including the direct and indirect adverse environmental effects the activity would cause. The description of the proposed activity should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal. Identify the materials to be used in construction, as well as the methods by which the work is to be done.

Provide sketches when necessary to show that the proposed NWP activity complies with the terms of the applicable NWP(s). Sketches usually clarify the activity and result in a quicker decision. Sketches should contain sufficient detail to provide an illustrative description of the proposed NWP activity (e.g., a conceptual plan), but do not need to be detailed engineering plans.

The written descriptions and illustrations are an important part of the application. Please describe, in detail, what you wish to do. If more space is needed, attach an extra sheet of paper marked Block 19.

**Block 20. Description of Proposed Mitigation Measures.** Describe any proposed mitigation measures intended to reduce the adverse environmental effects caused by the proposed NWP activity. The description of any proposed mitigation measures should be sufficiently detailed to allow the district engineer to determine that the adverse environmental effects of the activity will be no more than minimal and to determine the need for compensatory mitigation or additional mitigation measures.

**Block 21. Purpose of Nationwide Permit Activity.** Describe the purpose and need for the proposed NWP activity. What will it be used for and why? Also include a brief description of any related activities associated with the proposed project. Provide the approximate dates you plan to begin and complete all work.

**Block 22. Quantity of Wetlands, Streams, or Other Types of Waters Directly Affected by the Proposed Nationwide Permit Activity.** For discharges of dredged or fill material into waters of the United States, provide the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained by the proposed NWP activity. For structures or work in navigable waters of the United States subject to Section 10 of the Rivers and Harbors Act of 1899, provide the amount of navigable waters filled, dredged, or occupied by one or more structures (e.g., aids to navigation, mooring buoys) by the proposed NWP activity.

For multiple NWPs, or for separate and distant crossings of waters of the United States authorized by NWPs 12 or 14, attach an extra sheet of paper marked Block 21 to provide the quantities of wetlands, streams, or other types of waters filled, flooded, excavated, or drained (or dredged or occupied by structures, if in waters subject to Section 10 of the Rivers and Harbors Act of 1899) for each NWP. For NWPs 12 and 14, include the amount of wetlands, streams, or other types of waters filled, flooded, excavated, or drained for each separate and distant crossing of waters or wetlands. If more space is needed, attach an extra sheet of paper marked Block 22.

**Block 23. Identify Any Other Nationwide Permit(s), Regional General Permit(s), or Individual Permit(s) Used to Authorize Any Part of Proposed Activity or Any Related Activity.** List any other NWP(s), regional general permit(s), or individual permit(s) used or intended to be used to authorize any part of the proposed project or any related activity. For linear projects, list other separate and distant crossings of waters and wetlands authorized by NWPs 12 or 14 that do not require PCNs. If more space is needed, attach an extra sheet of paper marked Block 23.

**Block 24. Compensatory Mitigation Statement for Losses of Greater Than 1/10-Acre of Wetlands When Pre-Construction Notification is Required.** Paragraph (c) of NWP general condition 23 requires compensatory mitigation at a minimum one-for-one replacement ratio will be required for all wetland losses that exceed 1/10-acre and require pre-construction notification, unless the district engineer determines in writing that either some other form of mitigation is more environmentally appropriate or the adverse environmental effects of the proposed NWP activity are no more than minimal without compensatory mitigation, and provides an activity-specific waiver of this requirement. Describe the proposed compensatory mitigation for wetland losses greater than 1/10 acre, or provide an explanation of why the district engineer should not require wetland compensatory mitigation for the proposed NWP activity. If more space is needed, attach an extra sheet of paper marked Block 24.

**Block 25. Is Any Portion of the Nationwide Permit Activity Already Complete?** Describe any work that has already been completed for the NWP activity.

**Block 26. List the Name(s) of Any Species Listed As Endangered or Threatened under the Endangered Species Act that Might be Affected by the Nationwide Permit Activity.** If you are not a federal agency, and if any listed species or designated critical habitat might be affected or is in the vicinity of the proposed NWP activity, or if the proposed NWP activity is located in designated critical habitat, list the name(s) of those endangered or threatened species that might be affected by the proposed NWP activity or utilize the designated critical habitat that might be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 7 of the Endangered Species Act

**Block 27. List Any Historic Properties that Have the Potential to be Affected by the Nationwide Permit Activity.** If you are not a Federal agency, and if any historic properties have the potential to be affected by the proposed NWP activity, list the name(s) of those historic properties that have the potential to be affected by the proposed NWP activity. If you are a Federal agency, and the proposed NWP activity requires a PCN, you must provide documentation demonstrating compliance with Section 106 of the National Historic Preservation Act.

**Block 28. List the Wild and Scenic River or Congressionally Designated Study River if the Nationwide Permit Activity Would Occur in such a River.** If the proposed NWP activity will occur in a river in the National Wild and Scenic River System or in a river officially designated by Congress as a "study river" under the Wild and Scenic Rivers Act, provide the name of the river. For a list of Wild and Scenic Rivers and study rivers, please visit <http://www.rivers.gov/>.

**Block 29. Nationwide Permit Activities that also Require Permission from the Corps Under 33 U.S.C. 408.** If the proposed NWP activity also requires permission from the Corps under 33 U.S.C. 408 because it will temporarily or permanently alter, occupy, or use a Corps federal authorized civil works project, indicate whether you have submitted a written request for section 408 permission from the Corps district having jurisdiction over that project.

**Block 30. Other Information Required For Nationwide Permit Pre-Construction Notifications.** The terms of some of the Nationwide Permits include additional information requirements for preconstruction notifications:

- \* NWP 3, Maintenance –information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments, and canals.
- \* NWP 31, Maintenance of Existing Flood Control Facilities –a description of the maintenance baseline and the dredged material disposal site.
- \* NWP 33, Temporary Construction, Access, and Dewatering –a restoration plan showing how all temporary fills and structures will be removed and the area restored to pre-project conditions.
- \* NWP 44, Mining Activities –if reclamation is required by other statutes, then a copy of the final reclamation plan must be submitted with the pre-construction notification.
- \* NWP 45, Repair of Uplands Damaged by Discrete Events –documentation, such as a recent topographic survey or photographs, to justify the extent of the proposed restoration.
- \* NWP 48, Commercial Shellfish Aquaculture Activities –(1) a map showing the boundaries of the project area, with latitude and longitude coordinates for each corner of the project area; (2) the name(s) of the species that will be cultivated during the period this NWP is in effect; (3) whether canopy predator nets will be used; (4) whether suspended cultivation techniques will be used; and (5) general water depths in the project area (a detailed survey is not required).
- \* NWP 49, Coal Remining Activities –a document describing how the overall mining plan will result in a net increase in aquatic resource functions must be submitted to the district engineer and receive written authorization prior to commencing the activity.
- \* NWP 50, Underground Coal Mining Activities –if reclamation is required by other statutes, then a copy of the reclamation plan must be submitted with the pre-construction notification.

If more space is needed, attach an extra sheet of paper marked Block 30.

**Block 31. Signature of Applicant or Agent.** The PCN must be signed by the person proposing to undertake the NWP activity, and if applicable, the authorized party (agent) that prepared the PCN. The signature of the person proposing to undertake the NWP activity shall be an affirmation that the party submitting the PCN possesses the requisite property rights to undertake the NWP activity (including compliance with special conditions, mitigation, etc.).

#### **DELINEATION OF WETLANDS, OTHER SPECIAL AQUATIC SITES, AND OTHER WATERS**

Each PCN must include a delineation of wetlands, other special aquatic sites, and other waters, such as lakes and ponds, and perennial, intermittent, and ephemeral streams, on the project site. Wetland delineations must be prepared in accordance with the current wetland delineation manual and regional supplement published by the Corps. The permittee may ask the Corps to delineate the special aquatic sites and other waters on the project site, but there may be a delay if the Corps does the delineation, especially if the project site is large or contains many wetlands, other special aquatic sites, and other waters. The 45 day PCN review period will not start until the delineation is submitted or has been completed by the Corps.

#### **DRAWINGS AND ILLUSTRATIONS**

##### **General Information.**

Three types of illustrations are needed to properly depict the work to be undertaken. These illustrations or drawings are identified as a Vicinity Map, a Plan View or a Typical Cross-Section Map. Identify each illustration with a figure or attachment number. For linear projects (e.g. roads, subsurface utility lines, etc.) gradient drawings should also be included. Please submit one original, or good quality copy, of all drawings on 8½x11 inch plain white paper (electronic media may be substituted). Use the fewest number of sheets necessary for your drawings or illustrations. Each illustration should identify the project, the applicant, and the type of illustration (vicinity map, plan view, or cross-section). While illustrations need not be professional (many small, private project illustrations are prepared by hand), they should be clear, accurate, and contain all necessary information.

#### **ADDITIONAL INFORMATION AND REQUIREMENTS**

For proposed NWP activities that involve discharges into waters of the United States, water quality certification from the State, Tribe, or EPA must be obtained or waived (see NWP general condition 25). Some States, Tribes, or EPA have issued water quality certification for one or more NWPs. Please check the appropriate Corps district web site to see if water quality certification has already been issued for the NWP(s) you wish to use. For proposed NWP activities in coastal states, state Coastal Zone Management Act consistency concurrence must be obtained, or a presumption of concurrence must occur (see NWP general condition 26). Some States have issued Coastal Zone Management Act consistency concurrences for one or more NWPs. Please check the appropriate Corps district web site to see if Coastal Zone Management Act consistency concurrence has already been issued for the NWP(s) you wish to use.

**Appendix II: Previous NWP  
SAS-2015-00380**



**DEPARTMENT OF THE ARMY**  
**U.S. ARMY CORPS OF ENGINEERS, SAVANNAH DISTRICT**  
**100 W. OGLETHORPE AVENUE**  
**SAVANNAH, GEORGIA 31401-3604**

October 21, 2020

Regulatory Division  
SAS-2015-00380  
GDOT P.I. 0017415

Mr. Andrew Knight  
ECS Southeast, LLP  
11115 Industriplex Boulevard, Suite 200  
Baton Rouge, Louisiana 70809

Dear Mr. Knight:

I refer to the Pre-Construction Notification submitted on August 6, 2020, and additional information received on October 13, 2020, requesting verification for use of Nationwide Permit (NWP) 6 to impact 26.1 square inches of open water bottom within Lazaretto Creek for the advancement of two geotechnical borings. The project is located along U.S. Highway 80 (U.S. 80)/State Road (SR) 26 as it crosses Lazaretto Creek, in the City of Savannah, Chatham County, Georgia (Latitude 32.0160, Longitude -80.8838). The geotechnical drilling and subsurface sampling will be performed in preparation for the future replacement of the existing Lazaretto Creek Bridge on U.S. 80/SR 26. This project has been assigned number SAS-2015-00380 and it is important that you refer to this number in all communication concerning this matter.

The enclosed exhibit entitled, "Figure 6, SR 26/US 80 at Lazaretto Creek, Aquatic Resources Delineation Review Request, Wetlands and Waters Map", dated June 23, 2020, accurately identifies the delineated limits of all aquatic resources within the site boundary. The wetlands were delineated in accordance with criteria contained in the 1987 "Corps of Engineers Wetland Delineation Manual," as amended by the most recent regional supplements to the manual. This delineation will remain valid for a period of 5-years unless new information warrants revision prior to that date.

The delineation included herein has been conducted to identify the location and extent of the aquatic resource boundaries and/or the jurisdictional status of aquatic resources for purposes of the Clean Water Act for the particular site identified in this request. This delineation and/or jurisdictional determination may not be valid for the Wetland Conservation Provisions of the Food Security Act of 1985, as amended. If you or your tenant are U.S. Department of Agriculture (USDA) program participants, or anticipate participation in USDA programs, you should discuss the applicability of a certified wetland determination with the local USDA service center, prior to starting work.

We have completed coordination with other federal and state agencies as described in Part C (32)(d) of our NWP Program, published in the January 6, 2017, Federal Register, Vol. 82, No. 4, Pages 1860-2008 (82 FR). The NWPs and Savannah District's Regional Conditions for NWPs can be found on our website at <http://www.sas.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits/NationwidePermits.aspx>. During our coordination procedure, no adverse comments regarding the proposed work were received.

As a result of our evaluation of your project, we have determined that the proposed activity is authorized under NWP 6. Your use of this NWP is valid only if:

a. The activity is conducted in accordance with the information submitted and meets the conditions applicable to the NWP.

b. You shall obtain and comply with all appropriate federal, state, and local authorizations required for this type of activity. A stream buffer variance may be required from the Georgia Department of Natural Resources, Environmental Protection Division (Georgia EPD), as defined in the Georgia Erosion and Sedimentation Control Act of 1975, as amended. Information concerning variances can be obtained at the Georgia EPD's website at [www.epd.georgia.gov](http://www.epd.georgia.gov), or by calling (404) 463-1511.

c. All work conducted under this permit shall be located, outlined, designed, constructed and operated in accordance with the minimal requirements of the Georgia Erosion and Sedimentation Control Act of 1975, as amended. Utilization of plans and specifications contained in the "Manual for Erosion and Sediment Control," (Latest Edition), published by the Georgia Soil and Water Conservation Commission, will aid in achieving compliance with the aforementioned minimal requirements.

d. You shall install and maintain erosion and sediment control measures in upland areas of the project site, in accordance with the Georgia Erosion and Sedimentation Control Act of 1975, as amended, to minimize the introduction of sediment into and the erosion of streams, wetlands and other waters of the United States. This permit does not authorize installation of check-dams, weirs, bulkheads or other erosion control measures in streams, wetlands or other waters of the United States. Authorization would be required from the U.S. Army Corps of Engineers prior to installing any erosion control measures in waters of the United States.

e. You shall install and maintain erosion and sediment control measures for all fill material that is authorized to be discharged in streams, wetlands and other waters of the United States, in accordance with the Georgia Erosion and Sedimentation Control Act of 1975, as amended, and permanently stabilize fills at the earliest practicable date.



f. Boring activities will avoid oyster reefs in the vicinity of the project area. No grounding, mooring, or spudding will occur within or on existing oyster reefs.

g. The project shall be constructed in accordance with the enclosed plan and drawing entitled, "Figure 7: Boring Locations Map, SR 26/US 80 at Lazaretto Creek (PI 0017415), Lazaretto Creek Bridge, Chatham County, Georgia", dated December 2019.

h. You shall notify the Corps, in writing, at least 10 days in advance of commencement of work authorized by this permit.

i. You fill out and sign the enclosed certification and return it to our office within 30 days of completion of the activity authorized by this permit.

**Manatee Protection Special Conditions:**

j. The permittee shall ensure that all personnel associated with boring activities are informed of the civil and criminal penalties for harming, harassing or killing manatees, which are protected under the Endangered Species Act of 1973 (ESA) and the Marine Mammal Protection Act of 1972. The permittee and the permittee's contractor(s) (contractor) will be held responsible for any manatee harmed, harassed or killed as a result of boring activities.

k. All vessels associated with boring activities shall operate at "no wake/idle" speeds at all times while in the project area. All vessels will follow routes of deep water when entering or exiting the project area, and while operating in the project area, whenever possible. For the purposes of compliance with manatee conditions, the project area is defined as all areas of shoreline, marsh and open waters within 100 feet of the outermost perimeter of the authorized project area.

l. All contractors and other on-site personnel are responsible for observing for the presence of manatees in or near the project area. All in-water boring activities shall cease upon sighting of a manatee within 50 feet of any ongoing work in the marsh or open waters. Activities will not resume until the manatee(s) has moved beyond the 50-foot radius of the project operation, or until 30 minutes elapses if the manatee(s) has not reappeared within 50 feet of the operation. Animals must not be herded away or harassed into leaving.

m. Extreme care shall be taken when lowering equipment and materials below the water surface and/or to the water bottom. Equipment and materials include, but are not limited to: piles; sheet piles; casings for drilled shaft construction; spuds; pile templates;

and anchors. All such equipment/material shall be lowered as slow as possible, to avoid injury to any manatee that may have entered the project area undetected. In the event of injury to or mortality of a manatee in the project area, the permittee or contractor shall immediately notify the Georgia Department of Natural Resources (Georgia DNR) at 912-264-7218 or 1-800-272-8363 on weekdays between 8:00 a.m. to 4:30 p.m., or 1-800-241-4113 on nights and weekends. Within one hour of a manatee injury or mortality the permittee or contractor shall notify the Corps at 1-800-448-2402 and the U.S. Fish and Wildlife Service (USFWS), Georgia Ecological Services Field Office at 912-832-8739. Any dead manatee found in the project area shall be secured to a stable object to prevent the carcass from moving with the current. In the event of a manatee injury or mortality, all open water construction activity shall cease pending completion of consultation between the Corps and the USFWS, pursuant to Section 7 of the ESA.

n. The permittee shall ensure that the contractor keeps a log of sightings, collisions or injury to manatees that occur during boring activities.

o. Within 30 days of project completion, the permittee shall submit a report summarizing manatee sightings or incidents that occurred during project construction, to the USFWS, Ecological Services Field Office, Coastal Georgia Sub-Office, 4980 Wildlife Drive NE, Townsend, Georgia 31331. Submission of a negative report is not required.

p. All temporary or unused materials shall be removed from the project area upon completion of the work, and any impacted area of salt marsh shall be restored. No work debris or trash is to be discarded in project area.

q. The permittee shall utilize the Georgia DNR video, "Georgia Wildlife - Sharing the Coast – Manatee" as a manatee education awareness program; available at [www.youtube.com/watch?v=whD8KX4PBNA](http://www.youtube.com/watch?v=whD8KX4PBNA). This video program focuses on educating boaters on manatee biology, how watercraft can adversely affect the manatee, and detail actions that boaters can take to avoid impacts to the manatee. The permittee shall insure that all boat operators view this video before boring activities.

By email dated May 20, 2020, the USFWS concurred that the project "may affect, but is not likely to adversely affect" the West Indian Manatee with the implementation of the above listed Manatee Protection Special Conditions. Additionally, the Corps, made a "no effect" determination for other federally threatened and endangered species listed in Chatham County. Authorization of an activity by a NWP does not authorize the "take" of threatened or endangered species. In the absence of separate authorization, both lethal and non-lethal "takes" of protected species are in violation of the Endangered Species Act.

This verification is valid until the NWP is modified, reissued or revoked. All of the existing NWPs are scheduled to expire on March 18, 2022. It is incumbent upon you to remain informed of changes to the NWPs. Furthermore, if you commence or are under contract to commence this activity before the date that the relevant NWP is modified or revoked, you will have 12 months from the date of the modification or revocation of the NWP to complete the activity under the present terms and conditions of this NWP.

This authorization should not be construed to mean that any future projects requiring Department of the Army authorization would necessarily be authorized. Any new proposal, whether associated with this project or not, would be evaluated on a case-by-case basis. Any prior approvals would not be a determining factor in making a decision on any future request. Revisions to your proposal may invalidate this authorization. In the event changes to this project are contemplated, I recommend that you coordinate with us prior to proceeding with the work.

This communication does not relieve you of any obligation or responsibility for complying with the provisions of any other laws or regulations of other federal, state or local authorities. It does not affect your liability for any damages or claims that may arise as a result of the work. It does not convey any property rights, either in real estate or material, or any exclusive privileges. It also does not affect your liability for any interference with existing or proposed federal projects. If the information you have submitted and on which the Corps bases its determination/decision of authorization under the NWP is later found to be in error, this determination may be subject to modification, suspension, or revocation.

If you have any questions, please call Mr. Brian Moore, Project Manager, Management Branch, at 912-653-5349.

Sincerely,

**BLOCKER.SHA**

**UN.L.1258532**

**682**

Shaun L. Blocker

Chief, Management Branch

Digitally signed by  
BLOCKER.SHAUN.L.12585  
32682  
Date: 2020.10.21 16:36:40  
-04'00'

Enclosures

Regulatory Division

CERTIFICATION OF COMPLIANCE  
WITH  
DEPARTMENT OF THE ARMY  
NWP 6

PERMIT FILE NUMBER: SAS-2015-00380/GDOT P.I. 0017415

PERMITTEE ADDRESS: Mr. Andrew Knight, ECS Southeast, LLP, 11115 Industriplex Boulevard, Suite 200, Baton Rouge, Louisiana 70809.

LOCATION OF WORK: The project is located along U.S. Highway 80 (U.S. 80)/State Road (SR) 26 as it crosses Lazaretto Creek, in the City of Savannah, Chatham County, Georgia (Latitude 32.0160, Longitude -80.8838).

PROJECT DESCRIPTION: Geotechnical drilling for subsurface sampling and testing associated with replacement of the existing Lazaretto Creek Bridge on U.S. 80/SR 26. The drilling and sampling will consist of two geotechnical borings within Lazaretto Creek.

ACRES AND/OR LINEAR FEET OF WATERS OF THE UNITED STATES IMPACTED: To impact 26.1 square inches of open water bottom within Lazaretto Creek.

DATE WORK IN WATERS OF UNITED STATES COMPLETED: \_\_\_\_\_

COMPENSATORY MITIGATION REQUIRED: N/A

I understand that the permitted activity is subject to a U.S. Army Corps of Engineers' Compliance Inspection. If I fail to comply with the permit conditions as specified in Nationwide Permit 6, issued on March 18, 2017, it may be subject to suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit as well as any required mitigation (if applicable) has been completed in accordance with the terms and conditions of the said permit.

\_\_\_\_\_  
Signature of Permittee

\_\_\_\_\_  
Date



Client:



Project:

SR 26/US 80  
AT  
LAZARETTO CREEK

AQUATIC  
RESOURCES  
DELINEATION  
REVIEW REQUEST

Title:

SITE  
LOCATION  
MAP

CHATHAM COUNTY



Drawn By: APK

Checked By: WBF

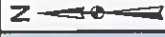
Approved By: WBF

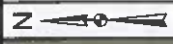
Date: 06/23/2020

ECS Project No.

10:9273-A

FIGURE 1





**Client:**  
**GDOT**  
Georgia Department of Transportation

**Project:**  
 SR 26/US 80  
 AT  
 LAZARETTO CREEK  
 AQUATIC  
 RESOURCES  
 DELINEATION  
 REVIEW REQUEST

**Title:**  
**WETLANDS  
 AND  
 WATERS  
 MAP**



**Drawn By:** APK  
**Checked By:** WBF  
**Approved By:** WBF  
**Date:** 06/23/2020

**ECS Project No.**  
**10:9273-A**

**FIGURE 6**



**Legend**

- Site Boundary
- Non-Wetland Waters of the US







**BORING LOCATION PLAN**

**SR 26/US 80 at Lazaretto Creek  
(PI 0017415)**

**ECS Project No.:  
10:9273-A**

**Lazaretto Creek Bridge  
Chatham County, Georgia**

**Scale: As Shown**

**Reference: Google™ Earth Imagery**

**Date: 12/2019**

**Figure  
No.:**

**7**



# **Appendix III: Delineation Maps**



Client:



Project:

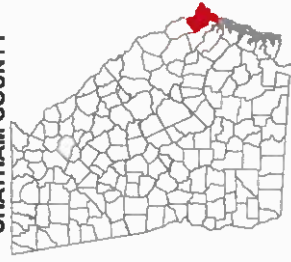
LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

SITE LOCATION  
MAP

CHATHAM COUNTY



Drawn By: AMC  
Scale: 1" = 2,000'

Approved By: PMS  
Date: 04/02/2024


ECS Project No.

49: 9273

FIGURE 1



**Legend**

 Project Study Area





Client:



Project:

LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title: USGS TOPOGRAPHIC  
MAP

FORT PULASKI &  
SAVANNAH BEACH  
NORTH  
QUADRANGLES  
DATED: 1995

PROJECT STUDY AREA

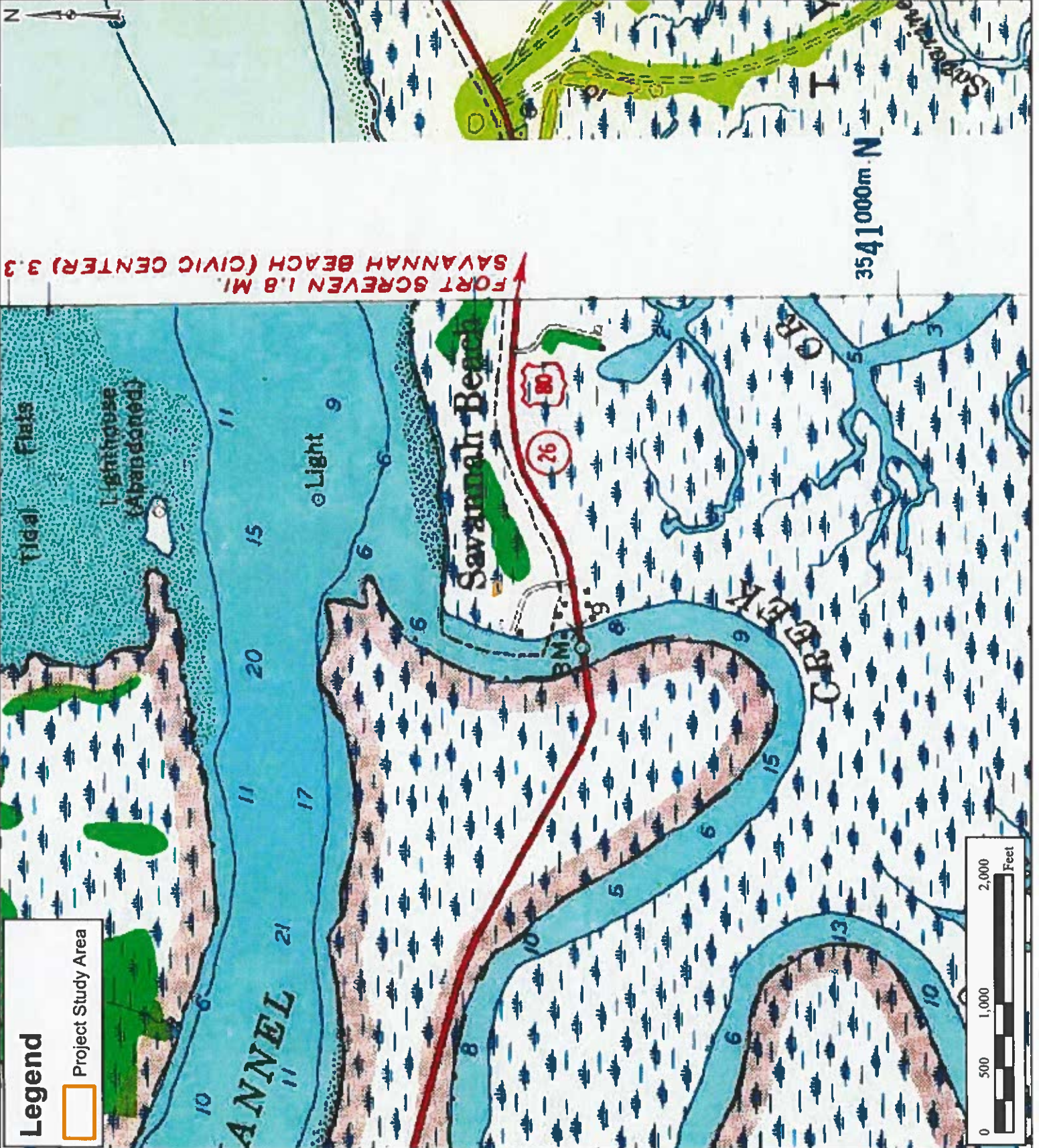


Drawn By: AMC  
Scale: 1" = 1,000'

Approved By: PMS  
Date: 04/02/2024

ECS Project No.  
49: 9273

**FIGURE 2**



**Legend**

Project Study Area





**Client:**

**Project:**  
LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

**Title:**

USDA-NRCS  
WEB SOIL SURVEY  
MAP



**Drawn By:** AMC  
**Scale:** 1" = 50'

**Approved By:** PMS  
**Date:** 04/02/2024

ECS Project No.  
**49: 9273**

**FIGURE 3**



**Legend**

Project Study Area

**Soil Map Units:**

- Ch - Capers soils
- Mae - Made land





Client:



Project:

LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

NATIONAL  
WETLANDS  
INVENTORY  
MAP

PROJECT STUDY AREA



Drawn By: AMC  
Scale: 1" = 500'

Approved By: PMS  
Date: 04/02/2024

ECS Project No.  
49: 9273

FIGURE 4



Legend

Project Study Area

Wetland Type

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Riverine





Client:



Project:

LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

FEMA FIRM  
NATIONAL FLOOD  
HAZARD ZONE  
MAP

PROJECT STUDY AREA



Drawn By:

AMC

Scale:

1" = 1,000'

Approved By:

PMS

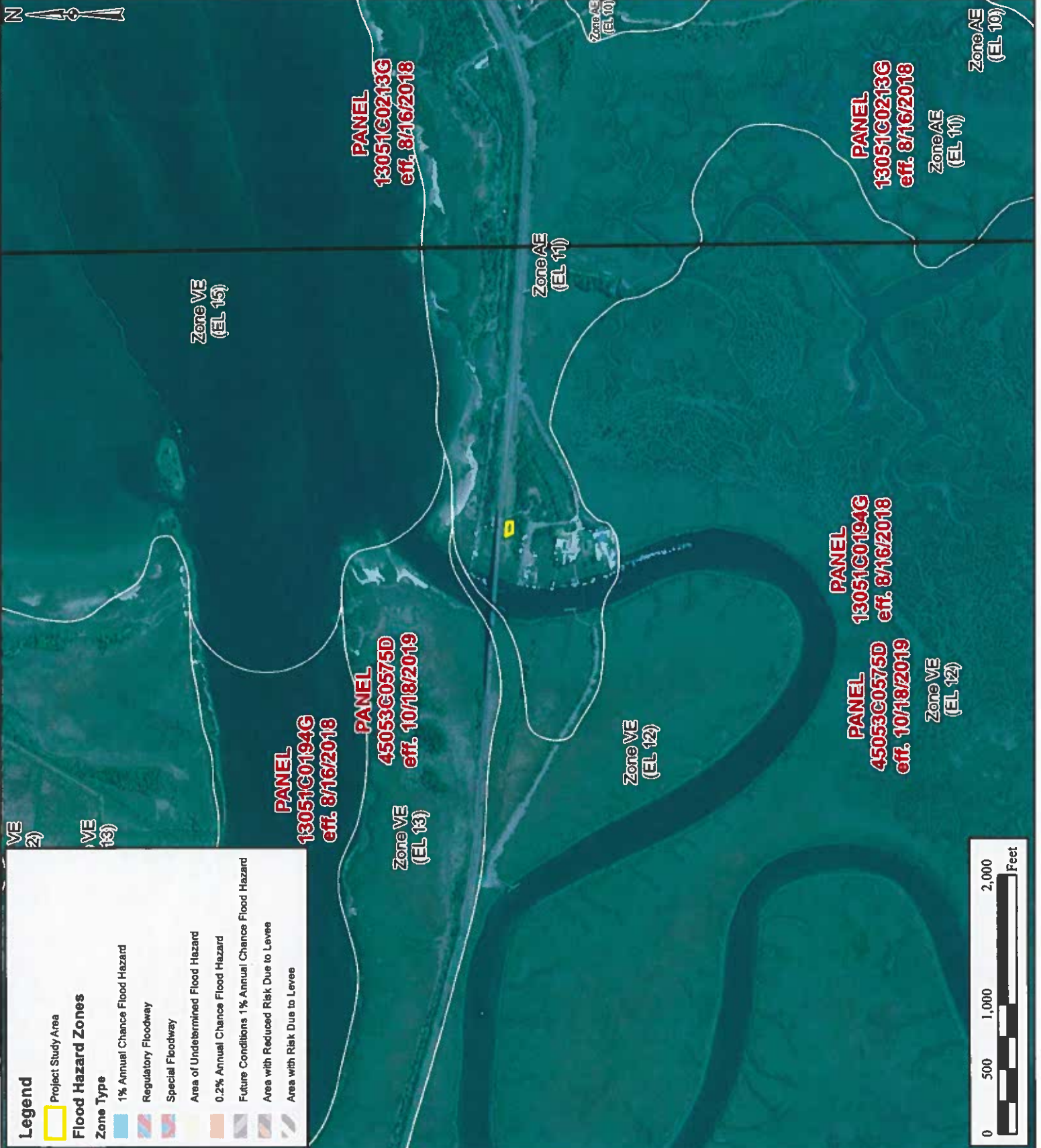
Date:

04/02/2024

ECS Project No.

49: 9273

FIGURE 5





Client:



Project:

LAZARETTO CREEK  
SITE

STATE ROUTE 26/  
U.S. HIGHWAY 80  
SAVANNAH,  
CATHAM COUNTY,  
GEORGIA

Title:

NOAA LIDAR  
ELEVATION MAP

PROJECT STUDY AREA

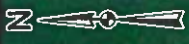
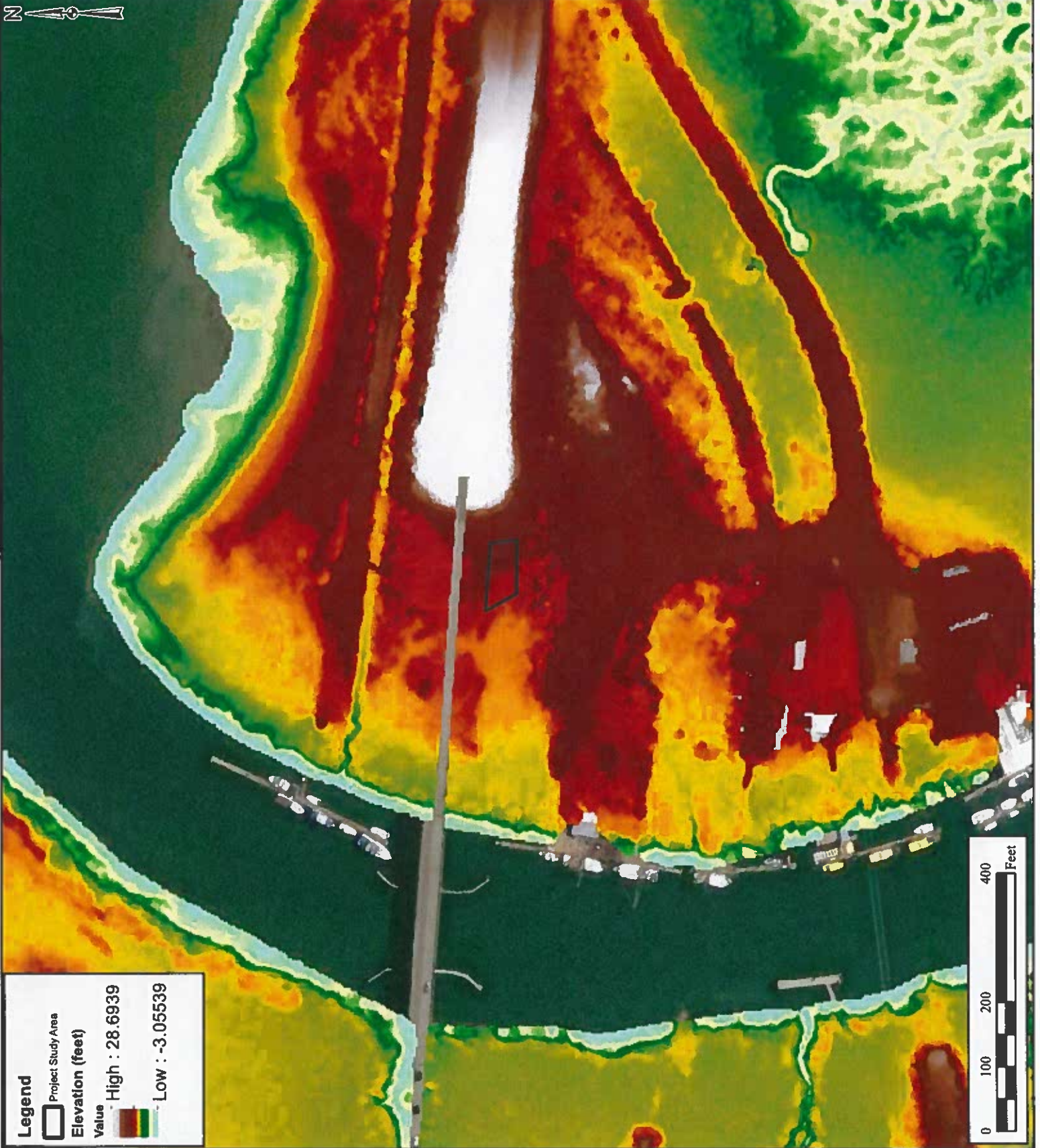


Drawn By: AMC  
Scale: 1" = 200'

Approved By: PMS  
Date: 04/02/2024

ECS Project No.  
49: 9273

FIGURE 6



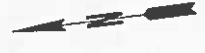
Legend

Project Study Area

Elevation (feet)

Value High : 28.6939  
Low : -3.05539



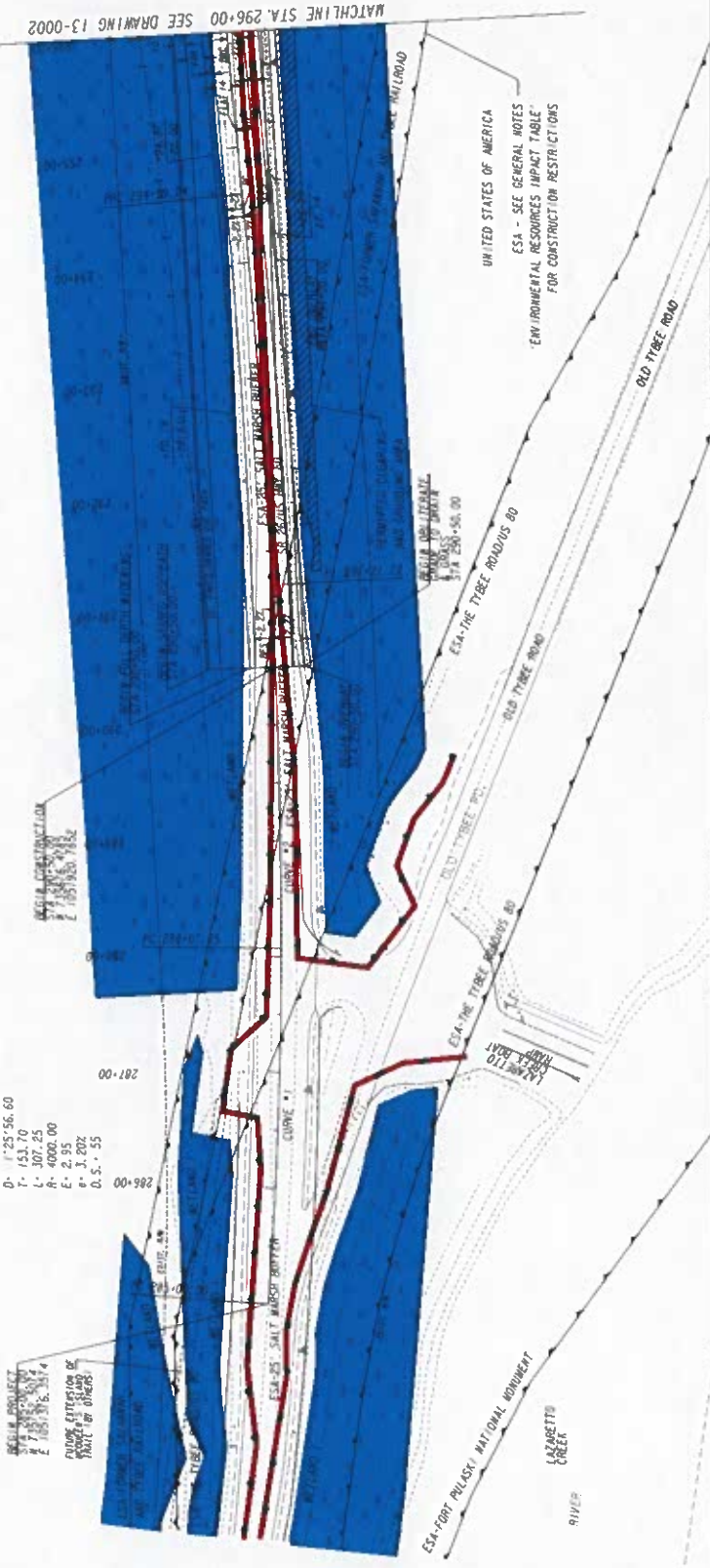


CURVE #1		
STA.	LC	RIGHT
290+50	MATCHLINE	-1.51% 2.00%
290+15	187.5'	-2.00% 2.00%
294+00	147.5'	-2.00% 2.00%
294+00	147.5'	-2.00% 2.00%
295+15	147.5'	-2.00% 2.00%
295+00	MATCHLINE	-2.00% -2.00%

**Curve # 2**  
 PI Sta. 391+21.27  
 R= 735667.9240  
 E= 1051990.8150  
 DELTA= 5.32 24.0° (L)  
 D= 150.65  
 L= 538.57  
 L= 476.54  
 R= 6600.00  
 E= 8.68  
 E= 2.20%  
 D.S. = 55

**Curve # 1**  
 PI Sta. 286+53.70  
 R= 735721.6361  
 E= 1051526.9234  
 DELTA= 4.04 20.0° (RT)  
 D= 125.56.60  
 L= 431.76  
 L= 100.65  
 R= 4000.00  
 E= 2.95  
 E= 3.20%  
 D.S. = 55

BEHOLD PROPERTY OF PULASKI COUNTY  
 LAZARETTO CREEK  
 PROPERTY OF PULASKI COUNTY  
 COUNCIL OF COURSE  
 COUNCIL OF COURSE  
 COUNCIL OF COURSE  
 COUNCIL OF COURSE



MATCHLINE STA. 296+00 SEE DRAWING 13-0002

UNITED STATES OF AMERICA  
 ESA - SEE GENERAL NOTES  
 'ENVIRONMENTAL RESOURCES IMPACT TABLE'  
 FOR CONSTRUCTION RESTRICTIONS

CREATED:	DATE:

**CONSTRUCTION PLAN**  
 SR 26 / US 80 AT  
 LAZARETTO CREEK

DRAWING NO.  
**13-0001**

1000 Marietta St, NW Suite 230  
 Atlanta GA 30318  
 PHONE (404) 841-7886 FAX (404) 841-7887

**PROGRAM DELIVERY**

SCALE IN FEET  
 0 50 100 200

REVISION DATES

**ES&E**

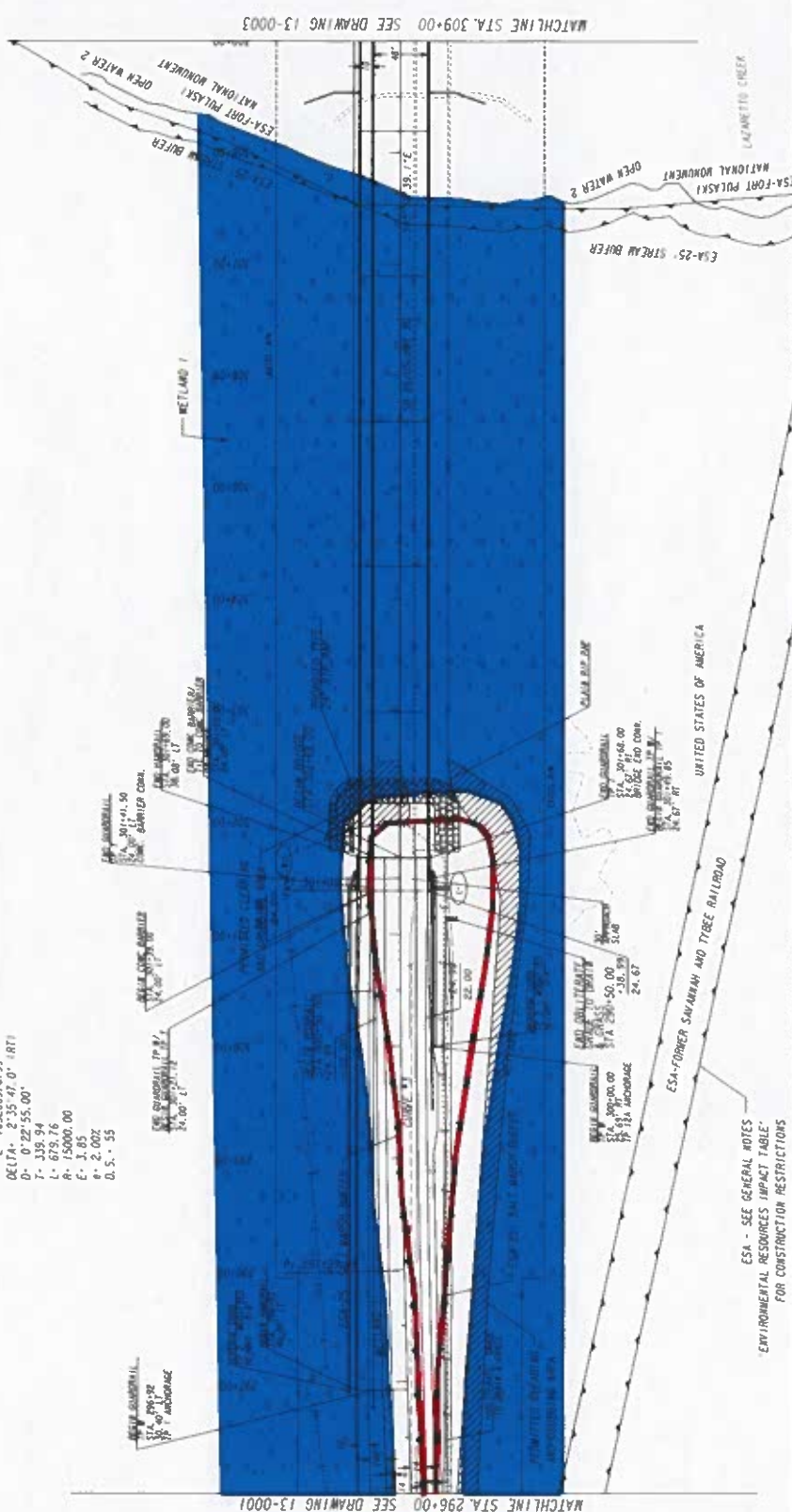
PROPERTY LINE  
 EXISTING ROW LINE  
 CONSTRUCTION LIMITS  
 EASEMENT FOR CONSTRUCTION  
 EASEMENT FOR CONSTRUCTION  
 EASEMENT FOR CONSTRUCTION  
 EASEMENT FOR CONSTRUCTION  
 EASEMENT FOR CONSTRUCTION

BEGIN LIMIT OF ACCESS  
 END LIMIT OF ACCESS  
 LIMIT OF ACCESS  
 LEGD FOR A LIMIT OF ACCESS  
 ES&E SENSITIVE AREA  
 WETLAND





Curve # 3  
 PI Sta = 397+99.18  
 R = 7,55643.8551  
 E = 1052689.0799  
 DELTA = 2° 35' 47.0" (RT)  
 D = 0' 22" 55.00"  
 L = 339.34  
 T = 623.16  
 A = 148.00.00  
 C = 3.05  
 G = 2.00Z  
 O.S. = 55

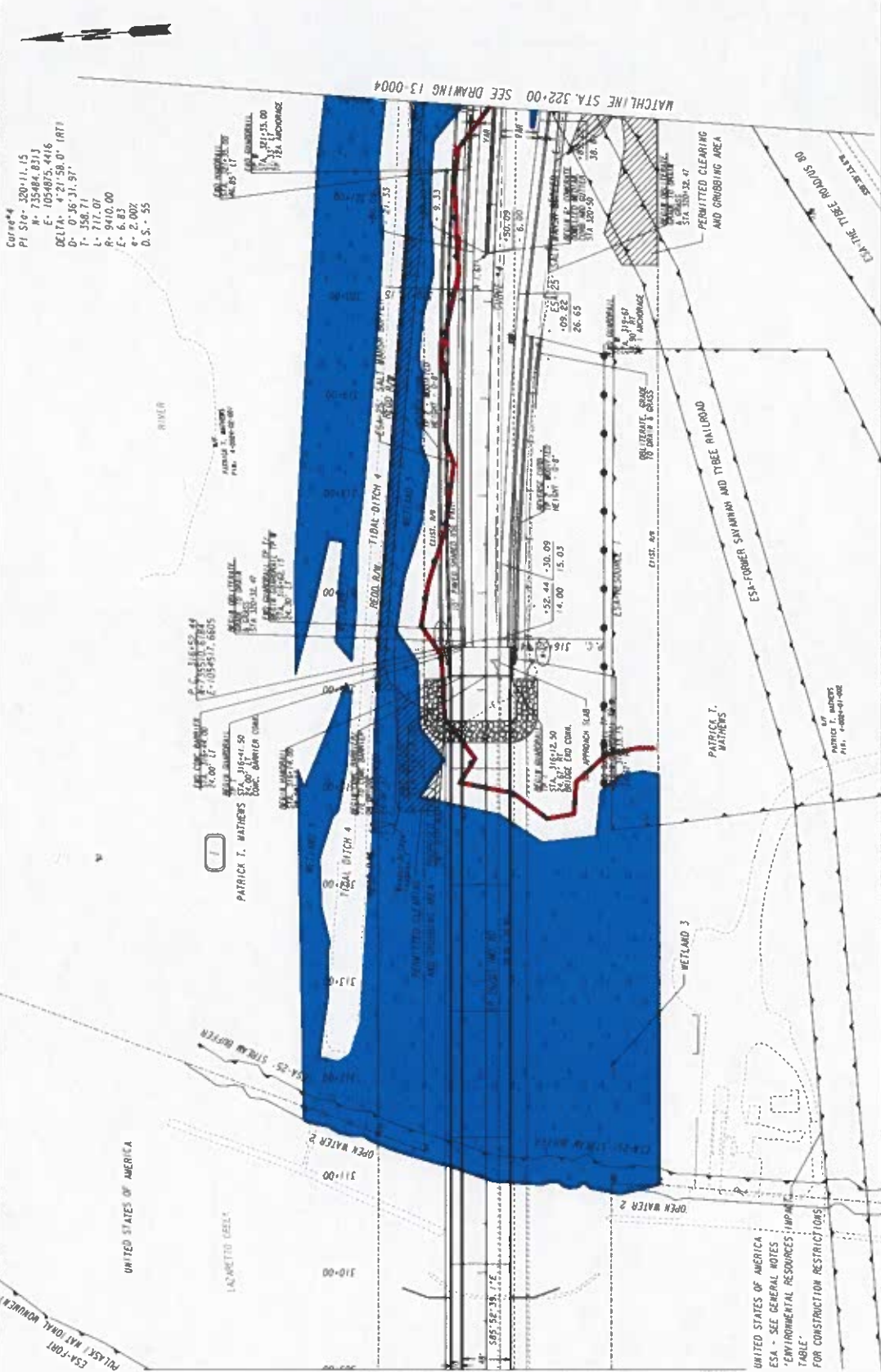


MATCHLINE STA. 296+00 SEE DRAWING 13-001

MATCHLINE STA. 309+00 SEE DRAWING 13-003

<b>TYLON INTERNATIONAL</b> 1000 Alameda St., NW, Suite 238 Atlanta, GA 30318 PHONE: (404) 841-7886 FAX: (404) 841-7887	<b>PROGRAM DELIVERY</b>	
	<b>ES&amp;T</b>	<b>CONSTRUCTION PLAN</b> SR 26 / US 80 AT LAZARETTO CREEK
<b>PROPERTY LINE</b> EXISTING ROW LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF SLOPES EASEMENT FOR CONSTR OF DRAINAGE	BLA ELA ROW & LIMIT OF ACCESS ORANGE BARRIER FENCE ES&T SENSITIVE AREA WETLAND	SCALE IN FEET 0 50 100 200
ENVIRONMENTAL RESOURCES IMPACT TABLE FOR CONSTRUCTION RESTRICTIONS	GENERAL NOTES ES&T - SEE GENERAL NOTES FOR CONSTRUCTION RESTRICTIONS	REVISION NOTES
DETECED: _____ CHECKED: _____ DESIGNED: _____ DATE: _____	DRAWING NO. 13-002	

1:50.00 PLAN SCALE  
1:50.00 ELEVATION SCALE  
DATE: 11/04/11  
DRAWN BY: J.P. HARRIS  
CHECKED BY: J.P. HARRIS  
DATE: 11/04/11



UNITED STATES OF AMERICA  
ESA - SEE GENERAL NOTES  
ENVIRONMENTAL RESOURCES IMPACT TABLE  
FOR CONSTRUCTION RESTRICTIONS

PROPERTY LINE  
EXISTING ROW LINE  
REQUIRED ROW LINE  
CONSTRUCTION LIMITS  
EASEMENT FOR CONSTR  
& MAINTENANCE OF SLOPES  
EASEMENT FOR CONSTR OF DITCHES

BEGIN LIMIT OF ACCESS.....BLA  
END LIMIT OF ACCESS.....ELA  
LIMIT OF ACCESS  
RED ROW & LIMIT OF ACCESS  
ORANGE BARRIER FENCE  
ENVIRONMENTAL SENSITIVE AREA  
WETLAND

UNION INTERNATIONAL  
1000 Barstow St, NW Suite 208  
Atlanta, GA 30018  
PHONE: (404) 841-7800 FAX: (404) 841-7887

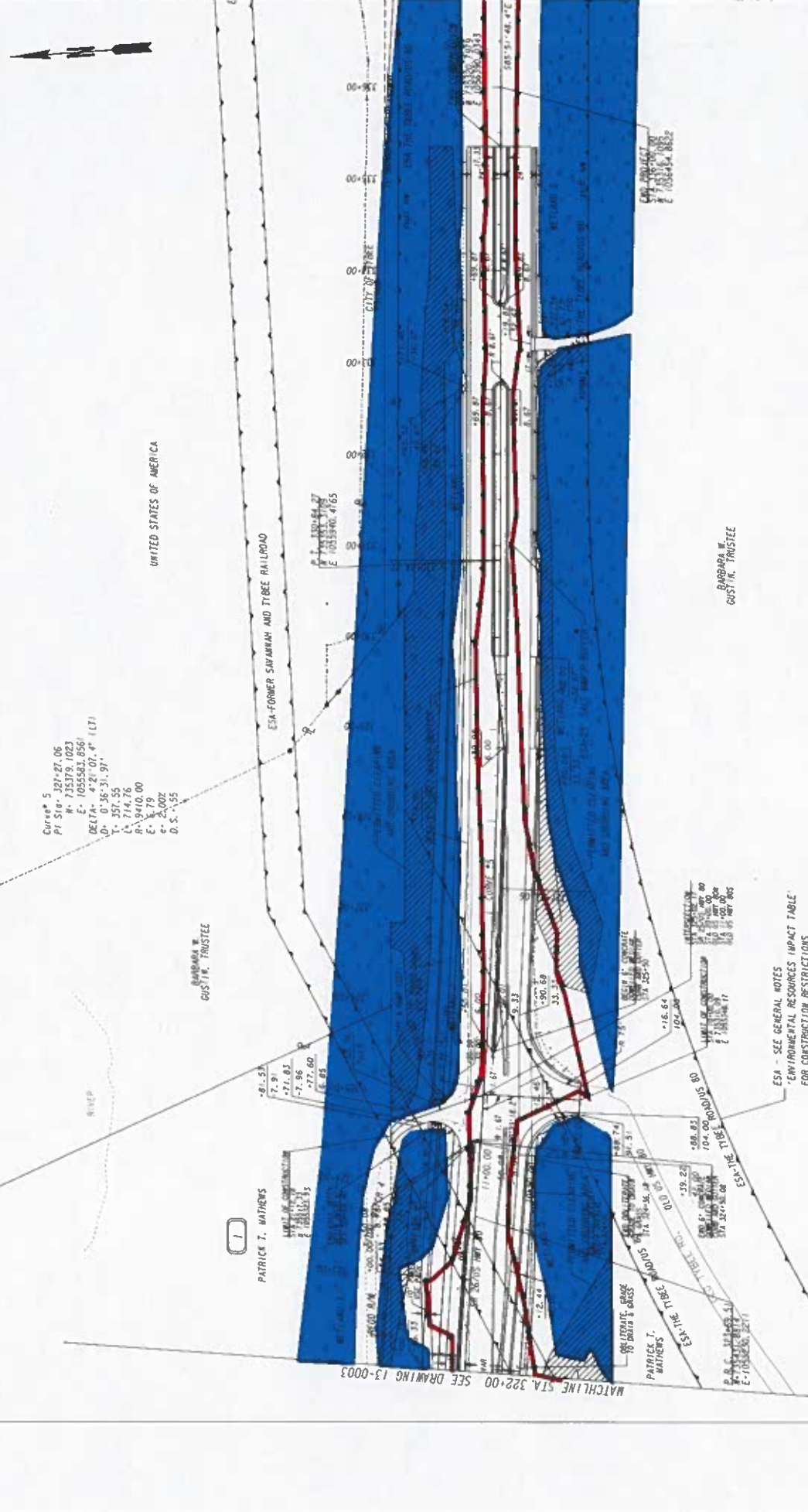
SCALE IN FEET  
0 50 100 200

PLOTTED:	DATE:	DRAWING NO.
CHECKED:	DATE:	
CONVERTED:	DATE:	
ISSUED:	DATE:	13-0003

CONSTRUCTION PLAN  
SR 26 / US 80 AT  
LAZARETTO CREEK

Curve #4  
PI Sta - 320+11.15  
N = 735484.8313  
E = 1054875.4416  
DELTA = 4° 21' 58.0" (RT)  
D = 0° 36' 31.37"  
L = 358.71  
P = 9460.00  
E = 6.837  
D.S. = 55

11/04/11  
13-0003  
CONSTRUCTION PLAN  
SR 26 / US 80 AT  
LAZARETTO CREEK



CURVE 5  
 PI Sta. 327+27.05  
 R = 1023.00  
 E = 1055.83, 856.1  
 DELTA = 42° 07' 47" (CT)  
 L = 357.55  
 T = 714.76  
 R = 941.00  
 E = 7.79  
 D. S. = 1.55

**PROGRAM DELIVERY**

**TYLINT INTERNATIONAL**  
 1000 Maranda St., NW, Suite 220  
 Atlanta, GA 30318  
 PHONE (404) 841-7886 FAX (404) 841-7887

**REVISION DATES**

NO.	DATE	DESCRIPTION

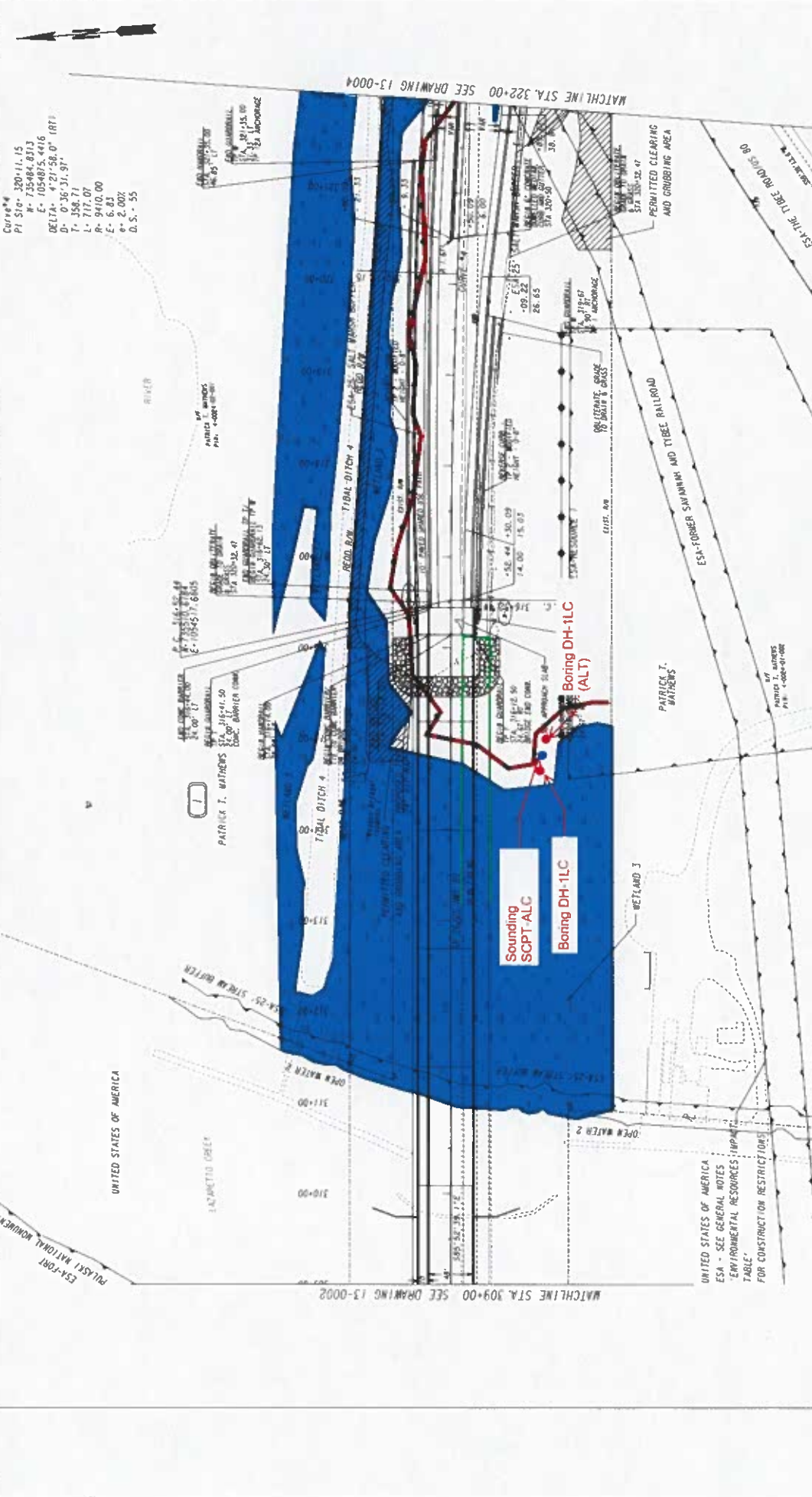
**CONSTRUCTION PLAN**  
 SR 26 / US 80 AT  
 LAZARETTO CREEK

**SCALE IN FEET**

CHECKED	DATE	DRAWING NO.

APPROVED	DATE	SCALE

# **Appendix IV: Boring Location Exhibit**



Curve #4  
 PI STA = 320+11.15  
 N = 735484.8313  
 E = 1054875.4416  
 DELTA = 4° 21' 58.0" RT  
 D = 0° 36' 31.91"  
 L = 358.71  
 T = 717.07  
 R = 9410.00  
 E = 6.43  
 o = 2.002  
 D.S. = 55

MATCHLINE STA. 322+00 SEE DRAWING 13-0004

MATCHLINE STA. 309+00 SEE DRAWING 13-0002

		<b>PROGRAM DELIVERY</b>				<b>CONSTRUCTION PLAN</b> SR 26 / US 80 AT LAZARETTO CREEK	
UNITED STATES OF AMERICA ESA - SEE GENERAL NOTES "ENVIRONMENTAL RESOURCES IMPACT TABLE" FOR CONSTRUCTION RESTRICTIONS		BEGIN LIMIT OF ACCESS.....BLA END LIMIT OF ACCESS.....ELA LIMIT OF ACCESS.....ELA RED ROW & LIMIT OF ACCESS ORANGE BARRIER FENCE ESA ENV. SENSITIVE AREA WETLAND		SCALE IN FEET 0 50 100 200		COPIES: APPROVED: _____ CORRECTED: _____ REVISION: _____ DATE: _____ DRAWING No. 13-0003	
PROPERTY LINE EXISTING ROW LINE REQUIRED ROW LINE CONSTRUCTION LIMITS EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES EASEMENT FOR CONSTR OF DRIVES		UNITED STATES OF AMERICA 1000 Harvard St, NW, Suite 230 Atlanta, GA 30318 PHONE (404) 841-7886 FAX: (404) 841-7887		TYL INTERNATIONAL 1000 Harvard St, NW, Suite 230 Atlanta, GA 30318 PHONE (404) 841-7886 FAX: (404) 841-7887		ESTABLISH DATES	

# **Appendix V: GA-CRD Applications**

# FEDERAL CONSISTENCY CERTIFICATION STATEMENT

Printed Name of Applicant(s): Cassius O. Edwards

Applicant Email: cedwards@dot.ga.gov Phone: 912.530.4370

Agent Name (if applicable): Pamela Tutten Phone: 770-845-4078

To Whom It May Concern:

This is to certify that I have made application to the U.S. Army Corps of Engineers (USACE) for authorization to impact Waters of the United States and that such proposed work is, to the best of my knowledge, consistent with Georgia's Coastal Management Program.

I understand I must provide this Consistency Certification Statement, along with a copy of my permit application submitted to USACE, to the Georgia Department of Natural Resources Coastal Resources Division (CRD) before they can begin evaluating my proposed project for consistency with Georgia's enforceable policies. I understand additional information may be required to facilitate review.

Once any required authorizations or permits from CRD have been issued, and CRD has concurred with my findings by signing this Consistency Certification Statement, CRD must submit it to USACE in order for them to issue any required federal permits or authorizations, or to validate any provisional authorizations they have already issued. A USACE provisional authorization or permit will not be valid until they receive this Certification Statement signed by CRD.

Attached is a copy of my application to USACE (required)

Signature of Applicant: Cassius O. Edwards Digitally signed by Cassius O. Edwards  
Date: 2024.04.16 08:16:51 -0400 Date: 04/16/2024

FOR AGENCY INTERNAL USE ONLY:	Date Received (Commencement Date): _____
USACE Authorization/Permit Number (assigned by USACE): _____	
USACE Authorization Type (select one): <input type="checkbox"/> Individual Permit <input type="checkbox"/> General Permit #___ <input type="checkbox"/> NWP #___	
USACE Project Manager: _____	
CRD Authorization/Permit Number (assigned by CRD): _____	
CRD Project Manager: _____	

**CRD HAS REVIEWED AND CONCURS WITH THIS CONSISTENCY CERTIFICATION STATEMENT TO THE EXTENT THE USACE AUTHORIZED PROJECT DESCRIPTION IS CONSISTENT WITH THE AUTHORIZED PROJECT DESCRIPTION FOR ANY CRD PERMIT ISSUED FOR THIS PROJECT**

CRD Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

For questions regarding consistency with the Georgia Coastal Management Program, please contact the Federal Consistency Coordinator at (912) 264-7218 or visit [www.CoastalGADNR.org](http://www.CoastalGADNR.org).

STATE OF GEORGIA

REQUEST FOR A REVOCABLE LICENSE FOR THE USE OF TIDAL WATERBOTTOMS

APPLICANT NAME(S): Cassius O. Edwards

MAILING ADDRESS: 600 W Peachtree St NW, Atlanta, GA 30308  
(Street) (City) (State) (Zip)

PROJECT ADDRESS/LOCATION: SR 26 / US 80 at Lazaretto Creek - Savannah

COUNTY: Chatham WATERWAY: Lazaretto Creek

LOT, BLOCK & SUBDIVISION NAME FROM DEED: \_\_\_\_\_

Georgia Department of Natural Resources  
Coastal Resources Division  
One Conservation Way  
Brunswick, Georgia 31520-8687

I am requesting that I be granted a revocable license from the State of Georgia to encroach on the beds of tidewaters, which are state owned property. Attached hereto and made a part of this request is a copy of the plans and description of the project that will be the subject of such a license. I certify that all information submitted is true and correct to the best of my knowledge and understand that willful misrepresentation or falsification is punishable by law.

I understand that if permission from the State is granted, it will be a revocable license and will not constitute a license coupled with an interest. I acknowledge that this revocable license does not resolve any actual or potential disputes regarding the ownership of, or rights in, or over the property upon which the subject project is proposed, and shall not be construed as recognizing or denying any such rights or interests. I acknowledge that such a license would relate only to the property interests of the State and would not obviate the necessity of obtaining any other State license, permit, or authorization required by State law. I recognize that I waive my right of expectation of privacy and I do not have the permission of the State of Georgia to proceed with such project until the Commissioner of DNR or his/her designee has executed a revocable license in accordance with this request.

Sincerely,

By: Cassius O. Edwards  
Signature of Applicant

Digitally signed by  
Cassius O. Edwards  
Date: 2024.04.16  
08:22:08 -04'00'

Date: 04/16/2024

GDOT  
Title, if applicable

By: \_\_\_\_\_  
Signature of Applicant

Date: \_\_\_\_\_

\_\_\_\_\_  
Title, if applicable

Attachments



# **Appendix VI: T&E Species Letters**



## United States Department of the Interior



FISH AND WILDLIFE SERVICE  
Georgia Ecological Services Field Office  
355 East Hancock Avenue  
Room 320  
Athens, GA 30601-2523  
Phone: (706) 460-7161 Fax: (706) 613-6059

In Reply Refer To:

04/12/2024 12:44:26 UTC

Project Code: 2024-0076242

Project Name: Lazaretto Creek Bridge Site

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

Thank you for requesting information on federally listed species and important wildlife habitats that may occur in your project area. The U.S. Fish and Wildlife Service (Service) has responsibility for certain species of wildlife under the Endangered Species Act (ESA) of 1973 as amended (16 USC 1531 et seq.), the Migratory Bird Treaty Act as amended (16 USC 701-715), Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.) and the Bald and Golden Eagle Protection Act as amended (16 USC 668-668c). We provide the following guidance for determining which federally imperiled species may occur within your project area and to recommend conservation measures to consider for your project if you determine those species or designated critical habitats may be affected by the project activities.

### **FEDERALLY-LISTED SPECIES AND DESIGNATED CRITICAL HABITAT**

Attached is a list of endangered, threatened, and proposed species that may occur in your project area. Your project area may not necessarily include all or any of these species. Under the ESA, it is the responsibility of the Federal action agency, their designated non-Federal representative, or a project proponent to determine if a proposed action "may affect" endangered, threatened, or proposed species, or designated critical habitat, and if so, to consult with the Service further. Similarly, it is the responsibility of the Federal action agency or project proponent, not the Service, to make "no effect" determinations. If you determine that your proposed action will have "no effect" on threatened or endangered species or their respective critical habitat, you do not need to seek concurrence with the Service. Nevertheless, it is a violation of Federal law to harm or harass any federally listed threatened or endangered fish or wildlife species without the appropriate permit. If you need additional guidance to inform your effect determination, please contact the Service.

If you determine that your proposed action may affect federally listed species, please consult with the Service. Through the consultation (for projects seeking Federal funding or permitting) or technical assistance (for non-Federal projects) process, we will work with you to evaluate information contained in a biological assessment or equivalent documents that you provide. If your proposed action is associated with Federal funding or permitting, consultation will occur with the Federal agency under section 7(a)(2) of the ESA. Otherwise, an incidental take permit pursuant to section 10(a) (1)(B) of the ESA (also known as a Habitat Conservation Plan) may be necessary to exempt "take" of federally listed threatened or endangered fish or wildlife species when it cannot be avoided. For more information regarding formal consultation and HCPs, please see the Service's [Section 7 Consultation Library](#) and [Habitat Conservation Plans Library](#).

**Action Area.** The scope of ESA compliance includes direct and indirect effects of project activities (e.g., equipment staging areas, offsite borrow material areas, or utility relocations). The "action area" is the spatial extent of an action's direct and indirect modifications or impacts to the land, water, or air (50 CFR 402.02). Large projects may have effects to land, water, or air outside the immediate footprint of the project, and these areas should be included as part of the action area. Effects to land, water, or air outside of a project footprint could include things like lighting, dust, smoke, and noise. To obtain a complete list of species, the action area should be uploaded or drawn in IPaC rather than just the project footprint. Please note that a lead federal agency may consider an action area that excludes portions of the project footprint. In these cases, further coordination with our office may be required to ensure compliance with the ESA. It is the responsibility of the project proponent to coordinate with the lead federal agency to understand the action and action area being reviewed as part of ESA Section 7 consultation.

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. An updated list may be requested through IPaC.

## HOW TO SUBMIT A PROJECT REVIEW PACKAGE

**IF YOUR ACTION MAY AFFECT ANY FEDERALLY LISTED SPECIES AND YOU WOULD LIKE TECHNICAL ASSISTANCE FROM OUR OFFICE, PLEASE SEND US A COMPLETE PROJECT REVIEW PACKAGE. A STEP-BY-STEP GUIDE IS AVAILABLE BELOW AND SUPPLEMENTAL GUIDANCE IS AVAILABLE AT THE GEORGIA ECOLOGICAL SERVICES [PROJECT PLANNING AND REVIEW PAGE \(HTTPS://WWW.FWS.GOV/OFFICE/GEORGIA-ECOLOGICAL-SERVICES/PROJECT-PLANNING-REVIEW\)](https://www.fws.gov/office/georgia-ecological-services/project-planning-review).**

**REQUESTS FOR THREATENED AND ENDANGERED SPECIES PROJECT REVIEWS MUST BE SUBMITTED TO OUR OFFICE USING THE PROCESS DESCRIBED BELOW. ALL STEPS MUST BE COMPLETED TO ENSURE YOUR**

**PROJECT IS REVIEWED BY A BIOLOGIST IN OUR OFFICE AND YOU RECEIVE A TIMELY RESPONSE.**

**STEP 1. REQUEST AN OFFICIAL SPECIES LIST FOR YOUR PROJECT THROUGH IPAC. YOU HAVE JUST COMPLETED THIS STEP.**

**STEP 2. COMPLETE APPLICABLE DETERMINATION KEYS (DKEY'S, FOR SHORT)**

**STEP 3. SEND YOUR COMPLETE PROJECT REVIEW PACKAGE TO [GAES\\_ASSISTANCE@FWS.GOV](mailto:GAES_ASSISTANCE@FWS.GOV) FOR REVIEW IF NO DKEY IS APPLICABLE OR CERTAIN PROJECT COMPONENTS HAVE NOT BEEN ADDRESSED (I.E. A SPECIES RETURNED BY IPAC DOES NOT HAVE A DKEY). A COMPLETE PROJECT REVIEW PACKAGE SHOULD INCLUDE:**

- 1. A DESCRIPTION OF THE PROPOSED ACTION, INCLUDING ANY MEASURES INTENDED TO AVOID, MINIMIZE, OR OFFSET EFFECTS OF THE ACTION. THE DESCRIPTION SHALL PROVIDE SUFFICIENT DETAIL TO ASSESS THE EFFECTS OF THE ACTION ON LISTED SPECIES AND CRITICAL HABITAT, SUCH AS THE PURPOSE OF THE ACTION; DURATION AND TIMING OF THE ACTION; LOCATION (LATITUDE AND LONGITUDE); SPECIFIC ACTIVITIES INVOLVING DISTURBANCE TO LAND, WATER, AND AIR, AND HOW THEY WILL BE CARRIED OUT; CURRENT DESCRIPTION OF AREAS TO BE AFFECTED DIRECTLY OR INDIRECTLY BY THE ACTION; AND MAPS, DRAWINGS, OR SIMILAR SCHEMATICS OF THE ACTION. PLEASE SUBMIT ALL AREAS OF A PROJECT AS ONE SINGLE SUBMISSION AND DO NOT SEPARATE INTO SMALLER COMPONENTS/SUBMISSIONS.**
- 2. AN UPDATED OFFICIAL SPECIES LIST AND DETERMINATION KEY RESULTS**
- 3. BIOLOGICAL ASSESSMENTS (MAY INCLUDE HABITAT ASSESSMENTS AND INFORMATION ON THE PRESENCE OF LISTED SPECIES IN THE ACTION AREA);**
- 4. DESCRIPTION OF EFFECTS OF THE ACTION ON SPECIES IN THE ACTION AREA AND, IF RELEVANT, EFFECT DETERMINATIONS FOR SPECIES AND CRITICAL HABITAT;**
- 5. CONSERVATION MEASURES AND ANY OTHER AVAILABLE INFORMATION RELATED TO THE NATURE AND SCOPE OF THE PROPOSED ACTION RELEVANT TO ITS EFFECTS ON LISTED SPECIES OR DESIGNATED CRITICAL HABITAT (E.G., MANAGEMENT PLANS RELATED TO STORMWATER, VEGETATION, EROSION AND SEDIMENT PLANS). VISIT THE [GEORGIA CONSERVATION PLANNING TOOLBOX \(HTTPS://WWW.FWS.GOV/STORY/CONSERVATION-TOOLS-GEORGIA\)](https://www.fws.gov/story/conservation-tools-georgia) FOR INFORMATION ABOUT CONSERVATION MEASURES.**

6. IN THE EMAIL SUBJECT LINE, USE THE FOLLOWING FORMAT TO INCLUDE THE PROJECT CODE FROM YOUR IPAC SPECIES LIST AND THE COUNTY IN WHICH THE PROJECT IS LOCATED (EXAMPLE: PROJECT CODE: 2023-0049730 GWINNETT CO.). FOR GEORGIA DEPARTMENT OF TRANSPORTATION RELATED PROJECTS, PLEASE WORK WITH THE OFFICE OF ENVIRONMENTAL SERVICES ECOLOGIST TO DETERMINE THE APPROPRIATE USFWS TRANSPORTATION LIAISON.

THE GEORGIA ECOLOGICAL SERVICES FIELD OFFICE WILL SEND A RESPONSE EMAIL WITHIN APPROXIMATELY 30 DAYS OF RECEIPT WITH TECHNICAL ASSISTANCE OR FURTHER RECOMMENDATIONS FOR SPECIFIC SPECIES.

#### WETLANDS AND FLOODPLAINS

UNDER EXECUTIVE ORDERS 11988 AND 11990, FEDERAL AGENCIES ARE REQUIRED TO MINIMIZE THE DESTRUCTION, LOSS, OR DEGRADATION OF WETLANDS AND FLOODPLAINS, AND PRESERVE AND ENHANCE THEIR NATURAL AND BENEFICIAL VALUES. THESE HABITATS SHOULD BE CONSERVED THROUGH AVOIDANCE, OR MITIGATED TO ENSURE THAT THERE WOULD BE NO NET LOSS OF WETLANDS FUNCTION AND VALUE. WE ENCOURAGE YOU TO USE THE NATIONAL WETLAND INVENTORY (NWI) MAPS IN CONJUNCTION WITH GROUND-TRUTHING TO IDENTIFY WETLANDS OCCURRING IN YOUR PROJECT AREA. THE SERVICE'S [NWI PROGRAM WEBSITE \(HTTPS://WWW.FWS.GOV/PROGRAM/NATIONAL-WETLANDS-INVENTORY\)](https://www.fws.gov/program/national-wetlands-inventory) INTEGRATES DIGITAL MAP DATA WITH OTHER RESOURCE INFORMATION. WE ALSO RECOMMEND YOU CONTACT THE U.S. ARMY CORPS OF ENGINEERS FOR PERMITTING REQUIREMENTS UNDER SECTION 404 OF THE CLEAN WATER ACT IF YOUR PROPOSED ACTION COULD IMPACT FLOODPLAINS OR WETLANDS.

#### MIGRATORY BIRDS

THE MBTA PROHIBITS THE TAKING OF MIGRATORY BIRDS, NESTS, AND EGGS, EXCEPT AS PERMITTED BY THE SERVICE'S [MIGRATORY BIRDS PROGRAM \(HTTPS://FWS.GOV/PROGRAM/MIGRATORY-BIRDS\)](https://fws.gov/program/migratory-birds). TO MINIMIZE THE LIKELIHOOD OF ADVERSE IMPACTS TO MIGRATORY BIRDS, WE RECOMMEND CONSTRUCTION ACTIVITIES OCCUR OUTSIDE THE GENERAL BIRD NESTING SEASON FROM MARCH THROUGH AUGUST, OR THAT AREAS PROPOSED FOR CONSTRUCTION DURING THE NESTING SEASON BE SURVEYED, AND WHEN OCCUPIED, AVOIDED UNTIL THE YOUNG HAVE FLEDGED.

WE RECOMMEND REVIEW OF BIRDS OF CONSERVATION CONCERN TO FULLY EVALUATE THE EFFECTS TO THE BIRDS AT YOUR SITE. THIS LIST IDENTIFIES BIRDS THAT ARE POTENTIALLY THREATENED BY DISTURBANCE AND CONSTRUCTION. IT CAN BE FOUND AT THE SERVICE'S [MIGRATORY BIRDS](#)

**[CONSERVATION LIBRARY COLLECTION \(HTTPS://FWS.GOV/LIBRARY/ COLLECTIONS/MIGRATORY-BIRD-CONSERVATION-DOCUMENTS\)](https://fws.gov/library/collections/migratory-bird-conservation-documents)**.

INFORMATION RELATED TO BEST PRACTICES AND MIGRATORY BIRDS CAN BE FOUND AT THE SERVICE'S **[AVOIDING AND MINIMIZING INCIDENTAL TAKE OF MIGRATORY BIRDS LIBRARY COLLECTION \(HTTPS://FWS.GOV/LIBRARY/ COLLECTIONS/AVOIDING-AND-MINIMIZING-INCIDENTAL-TAKE-MIGRATORY-BIRDS\)](https://fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds)**.

**BALD AND GOLDEN EAGLES**

THE BALD EAGLE (*HALIAEETUS LEUCOCEPHALUS*) WAS DELISTED UNDER THE ESA ON AUGUST 9, 2007. BOTH THE BALD EAGLE AND GOLDEN EAGLE (*AQUILA CHRYSAETOS*) ARE STILL PROTECTED UNDER THE MIGRATORY BIRD TREATY ACT (MBTA) AND BALD AND GOLDEN EAGLE PROTECTION ACT (BGEPA). THE BGEPA AFFORDS BOTH EAGLES PROTECTION IN ADDITION TO THAT PROVIDED BY THE MBTA, IN PARTICULAR, BY MAKING IT UNLAWFUL TO "DISTURB" EAGLES. UNDER THE BGEPA, THE SERVICE MAY ISSUE LIMITED PERMITS TO INCIDENTALLY "TAKE" EAGLES (E.G., INJURY, INTERFERING WITH NORMAL BREEDING, FEEDING, OR SHELTERING BEHAVIOR NEST ABANDONMENT). FOR INFORMATION ON BALD AND GOLDEN EAGLE MANAGEMENT GUIDELINES, WE RECOMMEND YOU REVIEW INFORMATION PROVIDED AT THE SERVICE'S **[BALD AND GOLDEN EAGLE MANAGEMENT LIBRARY COLLECTION](#)**.

**NATIVE BATS**

IF YOUR SPECIES LIST INCLUDES INDIANA BAT (*MYOTIS SODALIS*), NORTHERN LONG-EARED BAT (*M. SEPTENTRIONALIS*), OR TRICOLORED BAT (*PERIMYOTIS SUBFLAVUS*) AND THE PROJECT IS EXPECTED TO IMPACT FORESTED HABITAT, TREE CLEARING SHOULD OCCUR OUTSIDE OF THE PERIODS WHEN BATS MAY BE PRESENT AND MOST VULNERABLE. FEDERALLY LISTED BATS COULD BE ACTIVELY PRESENT IN FORESTED LANDSCAPES FROM SPRING THROUGH FALL OF ANY YEAR. IN MUCH OF GEORGIA, OUR WINTERS ARE MILD ENOUGH THAT TRICOLORED BATS ARE LIKELY ACTIVE ON THE LANDSCAPE TO SOME EXTENT YEAR-ROUND. PUPS ARE INCAPABLE OF FLIGHT AND VULNERABLE TO DISTURBANCE FROM THE SPRING TO SUMMER. OUR RECOMMENDED SEASONAL CLEARING RESTRICTION WINDOWS DEPEND ON SPECIES AND REGION IN GEORGIA. PLEASE REACH OUT TO US FOR GUIDANCE.

INDIANA, NORTHERN LONG-EARED, TRICOLORED, AND GRAY (*M. GRISESCENS*) BATS ARE ALL KNOWN TO UTILIZE BRIDGES AND CULVERTS IN GEORGIA. IF YOUR PROJECT INCLUDES MAINTENANCE, CONSTRUCTION, OR ANY OTHER MODIFICATION OR DEMOLITION TO TRANSPORTATION STRUCTURES, A QUALIFIED INDIVIDUAL SHOULD COMPLETE A SURVEY OF THESE STRUCTURES FOR BATS AND SUBMIT YOUR FINDINGS VIA THE

**“GADNR BATS IN BRIDGES” FORM IN THE SURVEY123 APP, FREE ON APPLE AND ANDROID DEVICES. PLEASE INCLUDE THESE FINDINGS IN ANY BIOLOGICAL ASSESSMENT(S) OR OTHER DOCUMENTATION THAT IS SUBMITTED TO OUR OFFICE FOR TECHNICAL ASSISTANCE OR CONSULTATION.**

**ADDITIONAL INFORMATION CAN BE FOUND AT GEORGIA ECOLOGICAL SERVICES' [CONSERVATION PLANNING TOOLBOX](#) AND [BAT CONSERVATION IN GEORGIA](#) PAGES.**

#### **MONARCH BUTTERFLY**

**ON DECEMBER 20, 2020, THE SERVICE DETERMINED THAT LISTING THE MONARCH BUTTERFLY (*DANAUS PLEXIPPUS*) UNDER THE ENDANGERED SPECIES ACT IS WARRANTED BUT PRECLUDED AT THIS TIME BY HIGHER PRIORITY LISTING ACTIONS. WITH THIS FINDING, THE MONARCH BUTTERFLY BECOMES A CANDIDATE FOR LISTING. THE SERVICE WILL REVIEW ITS STATUS EACH YEAR UNTIL WE ARE ABLE TO BEGIN DEVELOPING A PROPOSAL TO LIST THE MONARCH.**

**AS IT IS A CANDIDATE FOR LISTING, THE SERVICE WELCOMES CONSERVATION MEASURES FOR THIS SPECIES. RECOMMENDED, AND VOLUNTARY, CONSERVATION MEASURES FOR PROJECTS IN GEORGIA CAN BE FOUND AT THE [MONARCH CONSERVATION IN GEORGIA](#) PAGE.**

#### **EASTERN INDIGO SNAKE**

**OUR OFFICE HAS PUBLISHED GUIDANCE DOCUMENTS TO ASSIST PROJECT PROPONENTS IN AVOIDING AND MINIMIZING POTENTIAL IMPACT TO THE EASTERN INDIGO SNAKE. THE [VISUAL ENCOUNTER SURVEY PROTOCOL FOR THE EASTERN INDIGO SNAKE \(\*DRYMARCHON COUPERI\*\) IN GEORGIA](#) IS RECOMMENDED FOR PROJECT PROPONENTS OR THEIR DESIGNEES TO EVALUATE THE POSSIBLE PRESENCE OF THE EASTERN INDIGO SNAKE AT A PROPOSED PROJECT SITE. THE [STANDARD PROTECTION MEASURES FOR THE EASTERN INDIGO SNAKE \(\*DRYMARCHON COUPERI\*\)](#) INCLUDE EDUCATIONAL MATERIALS AND TRAINING THAT CAN HELP PROTECT THE SPECIES BY MAKING STAFF WORKING ON A PROJECT SITE AWARE OF THEIR PRESENCE AND TRAITS. IN GEORGIA, INDIGO SNAKES ARE CLOSELY ASSOCIATED WITH THE STATE-LISTED GOPHER TORTOISE (*GOPHERUS POLYPHEMUS*), A REPTILE THAT EXCAVATES EXTENSIVE UNDERGROUND BURROWS THAT PROVIDE THE SNAKE SHELTER FROM WINTER COLD AND SUMMER DESICCATION.**

#### **SOLAR ENERGY DEVELOPMENT**

**THE [RECOMMENDED PRACTICES FOR THE RESPONSIBLE SITING AND DESIGN OF SOLAR DEVELOPMENT IN GEORGIA](#) (PUBLISHED IN SEPTEMBER 2023) ARE**

**INTENDED TO PROVIDE VOLUNTARY GUIDANCE TO SUPPORT CONSIDERATION OF NATURAL RESOURCES DURING THE DEVELOPMENT OF PHOTOVOLTAIC SOLAR IN GEORGIA. FURTHERMORE, THE [GEORGIA LOW IMPACT SOLAR SITING TOOL \(LISST\)](#) IS ALSO AVAILABLE AS A MAP LAYER IN IPAC (FIND IT IN THE "LAYERS" BOX > "ENVIRONMENTAL DATA") TO PROVIDE PROJECT MANAGERS WITH THE DATA TO IDENTIFY AREAS THAT MAY BE PREFERRED FOR LOW-IMPACT DEVELOPMENT. THE TOOL SEEKS TO SUPPORT THE ACCELERATION OF LARGE-SCALE SOLAR DEVELOPMENT IN AREAS WITH LESS IMPACT TO THE ENVIRONMENT.**

#### **STATE AGENCY COORDINATION**

**ADDITIONAL INFORMATION THAT ADDRESSES AT-RISK OR HIGH PRIORITY NATURAL RESOURCES CAN BE FOUND IN THE STATE WILDLIFE ACTION PLAN ([HTTPS://GEORGIAWILDLIFE.COM/WILDLIFEACTIONPLAN](https://georgiawildlife.com/wildlifeactionplan)), AT GEORGIA DEPARTMENT OF NATURAL RESOURCES, WILDLIFE RESOURCES DIVISION BIODIVERSITY PORTAL ([HTTPS://GEORGIAWILDLIFE.COM/CONSERVATION/SPECIES-OF-CONCERN](https://georgiawildlife.com/conservation/species-of-concern)), GEORGIA'S NATURAL, ARCHAEOLOGICAL, AND HISTORIC RESOURCES GIS PORTAL ([HTTPS://WWW.GNAHRGIS.ORG/GNAHRGIS/INDEX.DO](https://www.gnahrgis.org/gnahrgis/index.do)) PAGES.**

**THANK YOU FOR YOUR CONCERN FOR ENDANGERED AND THREATENED SPECIES. WE APPRECIATE YOUR EFFORTS TO IDENTIFY AND AVOID IMPACTS TO LISTED AND SENSITIVE SPECIES IN YOUR PROJECT AREA. FOR FURTHER CONSULTATION ON YOUR PROPOSED ACTIVITY, PLEASE EMAIL [GAES\\_ASSISTANCE@FWS.GOV](mailto:GAES_ASSISTANCE@FWS.GOV) AND REFERENCE THE PROJECT COUNTY AND YOUR SERVICE PROJECT TRACKING NUMBER.**

**THIS LETTER CONSTITUTES GEORGIA ECOLOGICAL SERVICES' GENERAL COMMENTS UNDER THE AUTHORITY OF THE ENDANGERED SPECIES ACT.**

Attachment(s):

- Official Species List
- Bald & Golden Eagles
- Migratory Birds
- Marine Mammals
- Wetlands

## **OFFICIAL SPECIES LIST**

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".



This species list is provided by:

**Georgia Ecological Services Field Office**

355 East Hancock Avenue

Room 320

Athens, GA 30601-2523

(706) 460-7161

## PROJECT SUMMARY

Project Code: 2024-0076242  
Project Name: Lazaretto Creek Bridge Site  
Project Type: Bridge - Maintenance  
Project Description: Temporary Borings  
Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@32.01555405,-80.88213592159825,14z>



Counties: Chatham County, Georgia

## ENDANGERED SPECIES ACT SPECIES

There is a total of 15 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species. Note that 1 of these species should be considered only under certain conditions.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries<sup>1</sup>, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

- 
1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

**MAMMALS**

NAME	STATUS
<p>Northern Long-eared Bat <i>Myotis septentrionalis</i></p> <p>No critical habitat has been designated for this species. This species only needs to be considered under the following conditions:</p> <ul style="list-style-type: none"> <li>This species only needs to be considered if the project includes wind turbine operations.</li> </ul> <p>Species profile: <a href="https://ecos.fws.gov/ecp/species/9045">https://ecos.fws.gov/ecp/species/9045</a></p>	Endangered
<p>Tricolored Bat <i>Perimyotis subflavus</i></p> <p>No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10515">https://ecos.fws.gov/ecp/species/10515</a></p>	Proposed Endangered
<p>West Indian Manatee <i>Trichechus manatus</i></p> <p>There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. <b>This species is also protected by the Marine Mammal Protection Act, and may have additional consultation requirements.</b> Species profile: <a href="https://ecos.fws.gov/ecp/species/4469">https://ecos.fws.gov/ecp/species/4469</a></p>	Threatened

**BIRDS**

NAME	STATUS
<p>Eastern Black Rail <i>Laterallus jamaicensis ssp. jamaicensis</i></p> <p>No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/10477">https://ecos.fws.gov/ecp/species/10477</a></p>	Threatened
<p>Piping Plover <i>Charadrius melodus</i></p> <p>Population: [Atlantic Coast and Northern Great Plains populations] - Wherever found, except those areas where listed as endangered. There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6039">https://ecos.fws.gov/ecp/species/6039</a></p>	Threatened
<p>Rufa Red Knot <i>Calidris canutus rufa</i></p> <p>There is <b>proposed</b> critical habitat for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1864">https://ecos.fws.gov/ecp/species/1864</a></p>	Threatened
<p>Wood Stork <i>Mycteria americana</i></p> <p>Population: AL, FL, GA, MS, NC, SC No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/8477">https://ecos.fws.gov/ecp/species/8477</a></p>	Threatened

**REPTILES**

NAME	STATUS
<p>Eastern Indigo Snake <i>Drymarchon couperi</i></p> <p>No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/646">https://ecos.fws.gov/ecp/species/646</a></p>	Threatened
<p>Green Sea Turtle <i>Chelonia mydas</i></p> <p>Population: North Atlantic DPS</p>	Threatened

NAME	STATUS
There is <b>proposed</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/6199">https://ecos.fws.gov/ecp/species/6199</a>	
Hawksbill Sea Turtle <i>Eretmochelys imbricata</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/3656">https://ecos.fws.gov/ecp/species/3656</a>	Endangered
Kemp's Ridley Sea Turtle <i>Lepidochelys kempii</i> There is <b>proposed</b> critical habitat for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/5523">https://ecos.fws.gov/ecp/species/5523</a>	Endangered
Leatherback Sea Turtle <i>Dermochelys coriacea</i> There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1493">https://ecos.fws.gov/ecp/species/1493</a>	Endangered
Loggerhead Sea Turtle <i>Caretta caretta</i> Population: Northwest Atlantic Ocean DPS There is <b>final</b> critical habitat for this species. Your location does not overlap the critical habitat. Species profile: <a href="https://ecos.fws.gov/ecp/species/1110">https://ecos.fws.gov/ecp/species/1110</a>	Threatened

## INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/9743">https://ecos.fws.gov/ecp/species/9743</a>	Candidate

## FLOWERING PLANTS

NAME	STATUS
Pondberry <i>Lindera melissifolia</i> No critical habitat has been designated for this species. Species profile: <a href="https://ecos.fws.gov/ecp/species/1279">https://ecos.fws.gov/ecp/species/1279</a>	Endangered

## CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

## BALD & GOLDEN EAGLES

Bald and golden eagles are protected under the Bald and Golden Eagle Protection Act<sup>1</sup> and the Migratory Bird Treaty Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to bald or golden eagles, or their habitats<sup>3</sup>, should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Bald and Golden Eagle Protection Act](#) of 1940.
2. The [Migratory Birds Treaty Act](#) of 1918.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

There are likely bald eagles present in your project area. For additional information on bald eagles, refer to [Bald Eagle Nesting and Sensitivity to Human Activity](#)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
Bald Eagle <i>Haliaeetus leucocephalus</i> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 31

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

### Breeding Season (■)

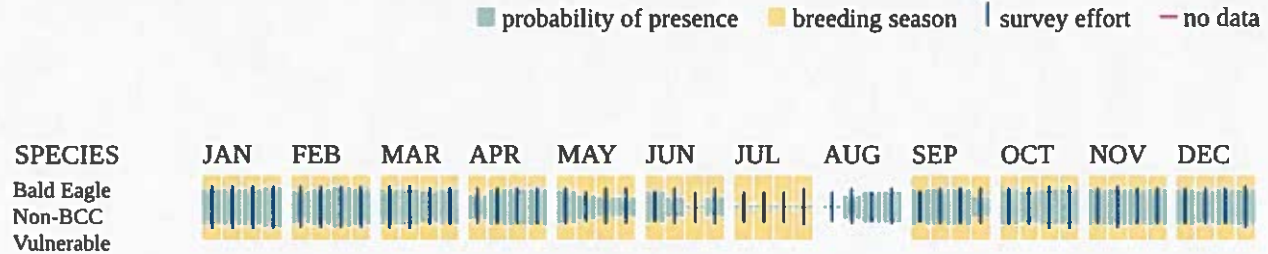
Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

### Survey Effort (|)

Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

## MIGRATORY BIRDS

Certain birds are protected under the Migratory Bird Treaty Act<sup>1</sup> and the Bald and Golden Eagle Protection Act<sup>2</sup>.

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats<sup>3</sup> should follow appropriate regulations and consider implementing appropriate conservation measures, as described in the links below. Specifically, please review the "[Supplemental Information on Migratory Birds and Eagles](#)".

1. The [Migratory Birds Treaty Act](#) of 1918.
2. The [Bald and Golden Eagle Protection Act](#) of 1940.
3. 50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, see the PROBABILITY OF PRESENCE SUMMARY below to see when these birds are most likely to be present and breeding in your project area.

NAME	BREEDING SEASON
<b>American Oystercatcher <i>Haematopus palliatus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8935">https://ecos.fws.gov/ecp/species/8935</a>	Breeds Apr 15 to Aug 31
<b>Bald Eagle <i>Haliaeetus leucocephalus</i></b> This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. <a href="https://ecos.fws.gov/ecp/species/1626">https://ecos.fws.gov/ecp/species/1626</a>	Breeds Sep 1 to Jul 31
<b>Black Skimmer <i>Rynchops niger</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/5234">https://ecos.fws.gov/ecp/species/5234</a>	Breeds May 20 to Sep 15
<b>Brown-headed Nuthatch <i>Sitta pusilla</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9427">https://ecos.fws.gov/ecp/species/9427</a>	Breeds Mar 1 to Jul 15
<b>Chimney Swift <i>Chaetura pelagica</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9406">https://ecos.fws.gov/ecp/species/9406</a>	Breeds Mar 15 to Aug 25
<b>Chuck-will's-widow <i>Antrostomus carolinensis</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9604">https://ecos.fws.gov/ecp/species/9604</a>	Breeds May 10 to Jul 10
<b>Coastal (waynes) Black-throated Green Warbler <i>Setophaga virens waynei</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/11879">https://ecos.fws.gov/ecp/species/11879</a>	Breeds May 1 to Aug 15
<b>Gull-billed Tern <i>Gelochelidon nilotica</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9501">https://ecos.fws.gov/ecp/species/9501</a>	Breeds May 1 to Jul 31
<b>King Rail <i>Rallus elegans</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8936">https://ecos.fws.gov/ecp/species/8936</a>	Breeds May 1 to Sep 5
<b>Lesser Yellowlegs <i>Tringa flavipes</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9679">https://ecos.fws.gov/ecp/species/9679</a>	Breeds elsewhere



NAME	BREEDING SEASON
<b>Marbled Godwit <i>Limosa fedoa</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9481">https://ecos.fws.gov/ecp/species/9481</a>	Breeds elsewhere
<b>Painted Bunting <i>Passerina ciris</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9511">https://ecos.fws.gov/ecp/species/9511</a>	Breeds Apr 25 to Aug 15
<b>Pectoral Sandpiper <i>Calidris melanotos</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9561">https://ecos.fws.gov/ecp/species/9561</a>	Breeds elsewhere
<b>Prothonotary Warbler <i>Protonotaria citrea</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9439">https://ecos.fws.gov/ecp/species/9439</a>	Breeds Apr 1 to Jul 31
<b>Purple Sandpiper <i>Calidris maritima</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9574">https://ecos.fws.gov/ecp/species/9574</a>	Breeds elsewhere
<b>Red-headed Woodpecker <i>Melanerpes erythrocephalus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9398">https://ecos.fws.gov/ecp/species/9398</a>	Breeds May 10 to Sep 10
<b>Ruddy Turnstone <i>Arenaria interpres morinella</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/10633">https://ecos.fws.gov/ecp/species/10633</a>	Breeds elsewhere
<b>Rusty Blackbird <i>Euphagus carolinus</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/9478">https://ecos.fws.gov/ecp/species/9478</a>	Breeds elsewhere
<b>Short-billed Dowitcher <i>Limnodromus griseus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9480">https://ecos.fws.gov/ecp/species/9480</a>	Breeds elsewhere
<b>Southeastern American Kestrel <i>Falco sparverius paulus</i></b> This is a Bird of Conservation Concern (BCC) only in particular Bird Conservation Regions (BCRs) in the continental USA <a href="https://ecos.fws.gov/ecp/species/4076">https://ecos.fws.gov/ecp/species/4076</a>	Breeds Apr 1 to Aug 31

NAME	BREEDING SEASON
<b>Swallow-tailed Kite <i>Elanoides forficatus</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/8938">https://ecos.fws.gov/ecp/species/8938</a>	Breeds Mar 10 to Jun 30
<b>Willet <i>Tringa semipalmata</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/10669">https://ecos.fws.gov/ecp/species/10669</a>	Breeds Apr 20 to Aug 5
<b>Wilson's Plover <i>Charadrius wilsonia</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9722">https://ecos.fws.gov/ecp/species/9722</a>	Breeds Apr 1 to Aug 20
<b>Wood Thrush <i>Hylocichla mustelina</i></b> This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. <a href="https://ecos.fws.gov/ecp/species/9431">https://ecos.fws.gov/ecp/species/9431</a>	Breeds May 10 to Aug 31

## PROBABILITY OF PRESENCE SUMMARY

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read "[Supplemental Information on Migratory Birds and Eagles](#)", specifically the FAQ section titled "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

### Probability of Presence (■)

Green bars; the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during that week of the year.

### Breeding Season (■)

Yellow bars; liberal estimate of the timeframe inside which the bird breeds across its entire range.

### Survey Effort (|)

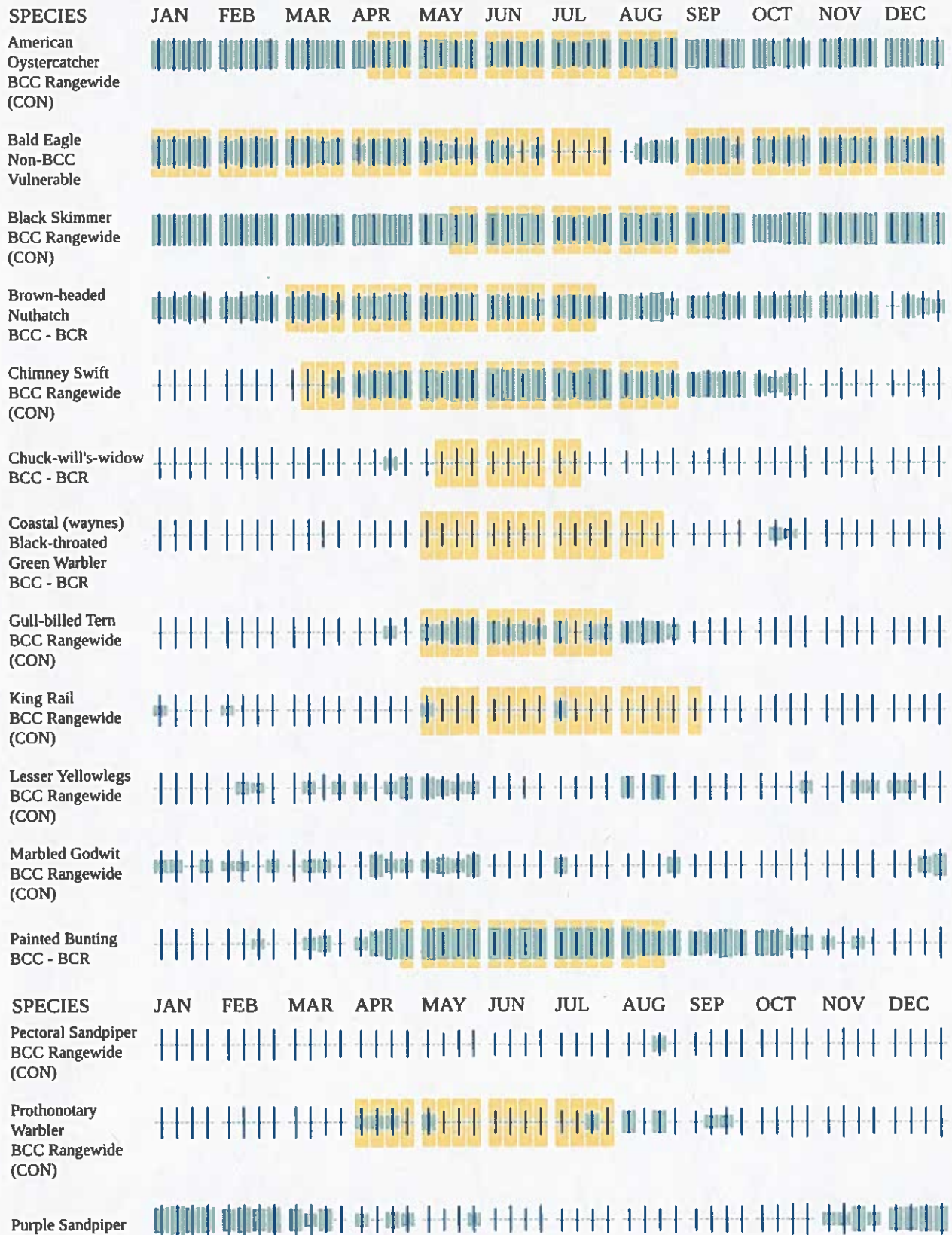
Vertical black lines; the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps.

### No Data (—)

A week is marked as having no data if there were no survey events for that week.

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■ probability of presence   ■ breeding season   | survey effort   — no data



BCC Rangewide  
(CON)



Ruddy Turnstone  
BCC - BCR



Rusty Blackbird  
BCC - BCR



Short-billed Dowitcher  
BCC Rangewide  
(CON)



Southeastern American Kestrel  
BCC - BCR



Swallow-tailed Kite  
BCC Rangewide  
(CON)



Willet  
BCC Rangewide  
(CON)



Wilson's Plover  
BCC Rangewide  
(CON)



Wood Thrush  
BCC Rangewide  
(CON)



Additional information can be found using the following links:

- Eagle Management <https://www.fws.gov/program/eagle-management>
- Measures for avoiding and minimizing impacts to birds <https://www.fws.gov/library/collections/avoiding-and-minimizing-incident-take-migratory-birds>
- Nationwide conservation measures for birds <https://www.fws.gov/sites/default/files/documents/nationwide-standard-conservation-measures.pdf>
- Supplemental Information for Migratory Birds and Eagles in IPaC <https://www.fws.gov/media/supplemental-information-migratory-birds-and-bald-and-golden-eagles-may-occur-project-action>

## MARINE MAMMALS

Marine mammals are protected under the [Marine Mammal Protection Act](#). Some are also protected under the Endangered Species Act<sup>1</sup> and the Convention on International Trade in Endangered Species of Wild Fauna and Flora<sup>2</sup>.

The responsibilities for the protection, conservation, and management of marine mammals are shared by the U.S. Fish and Wildlife Service [responsible for otters, walruses, polar bears, manatees, and dugongs] and NOAA Fisheries<sup>3</sup> [responsible for seals, sea lions, whales, dolphins, and porpoises]. Marine mammals under the responsibility of NOAA Fisheries are **not** shown on this list; for additional information on those species please visit the [Marine Mammals](#) page of the NOAA Fisheries website.

The Marine Mammal Protection Act prohibits the take of marine mammals and further coordination may be necessary for project evaluation. Please contact the U.S. Fish and Wildlife Service Field Office shown.

- 
1. The [Endangered Species Act](#) (ESA) of 1973.
  2. The [Convention on International Trade in Endangered Species of Wild Fauna and Flora](#) (CITES) is a treaty to ensure that international trade in plants and animals does not threaten their survival in the wild.
  3. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

### NAME

West Indian Manatee *Trichechus manatus*

Species profile: <https://ecos.fws.gov/ecp/species/4469>

## WETLANDS

Impacts to [NWI wetlands](#) and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local [U.S. Army Corps of Engineers District](#).

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

**THERE ARE NO WETLANDS WITHIN YOUR PROJECT AREA.**

## **IPAC USER CONTACT INFORMATION**

**Agency:** ECS

**Name:** Pamela Tutten

**Address:** 1281 Kennestone Circle NE

**City:** Marietta

**State:** GA

**Zip:** 30066

**Email:** ptutten@ecslimited.com

**Phone:** 4237151707

# **Appendix VII: Cultural Resources**

## National Register of Historic Places

**Browse by  
Type of  
Preservation**

Chatham boasts some of the best preserved historic homes and buildings, culminating in Chatham winning the 2007 Distinctive Destinations Award by the National Trust for Historic Preservation! The Historic Preservation efforts by the Town and Residents are beautifully displayed in all the buildings and homes on every street and corner. Touch any list entry for more details.

### Old Village Historic District



Established in 2001, the Old Village District protects more than 300 historic ...

### Chatham Lighthouse



Considered the iconic landmark of the town, the Chatham Light stands 48 feet ...  
37 Main St., Chatham

### Godfrey Windmill



Built by Colonel Benjamin Godfrey in 1797, the Mill remains almost exactly as ...  
Chase Park, Chatham

### Chatham Railroad Museum



The Chatham Railroad Museum is located in the old Chatham Railroad Company ...  
153 Depot Rd., Chatham  
Phone: 508-945-5780

### Eldredge Public Library



The Eldredge Public Library was a gift to the people of Chatham from one of its ...  
564 Main St., Chatham  
Phone: 508-945-5170

### Marconi-RCA Wireless Museum



Built for Guglielmo Marconi in 1914, the 11.3-acre, 10-building Chatham Marconi ...  
847 Orleans Rd., N. Chatham  
Phone: (508) 945-8889



## **Port Royal House**



The Port Royal House is private property. It was listed on the National ...

## **Old Harbor Life Saving Station**



Old Harbor Life-Saving Station was built in Chatham in 1897. The station was ...

## **Mercelia Evelyn Eldridge Kelley House**



The Mercelia Evelyn Eldridge Kelley House is private property. It was listed ...

## **Monomoy Point Lighthouse**



The Monomoy Point Lighthouse is located on the Monomoy National Wildlife ...

## **Louis Brandeis House**



The summer home of Justice Louis Brandeis, Associate Justice on the US Supreme ...

## **MENU**

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[Historic Preservation](#)

[History Weekend](#)

[Chatham History Timeline](#)

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Search

Text Search Map Search

Select Resource by: Polygon Tool  
Click on a map selection tool icon below.

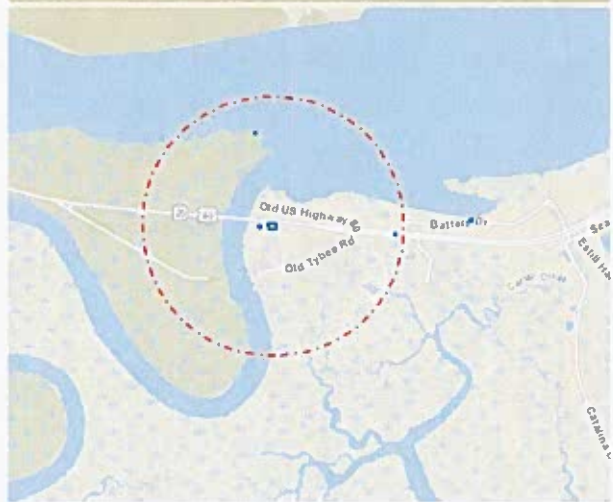


Create Buffer Around? Distance Buffer: 0.5 kilometers

Zoom in on map. Move mouse pointer to map and click on map to begin drawing.

[Clear Search Results](#) [Export File Excel](#)

Click the +/- zoom tool or use mouse to zoom into the map in the area of interest to display historic



View Details	Zoom To	Copy Edit	View History	Export	More Id	Category	Name(s)	Address/Location	City	Survey
					11006	Site	Battery Halseck	US-90 E	Savannah	Tybee Island Phase 2-2016
					11008	Site	Battery Halseck	South side of U.S. 80 on Spanish Hammock off Catalina Road South of South	Tybee Island	GA Historic Resources 1983-2005

# **Appendix VIII: Parcel Information**

# Chatham County, GA

## Summary

Parcel Number 10025 01001  
Location Address MCQUEENS ISLAND  
SAVANNAH GA 31410  
Legal Description MCQUEEN ISL S OF ELBA ISL CUT  
Property Class E1 - Exempt - Public Property  
Neighborhood 13080.00 - M080 MARSH FT PULASK  
Tax District (010) UNINCORPORATED  
Zoning C-M  
Acres 2196  
Homestead N  
Exemptions



[View Map](#)

## Owner

[UNITED STATES OF AMERICA](#)  
PO BOX 8082  
SAVANNAH GA 31412 8082

## Assessment

	2023 Certified	2022 Certified	2021 Certified	2020 Certified	2019 Certified
LUC	RES	RES	RES	RES	RES
Class	E1	E1	E1	E1	E1
+ Land Value	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000
+ Building Value	\$0	\$0	\$0	\$0	\$0
= Total Value	\$22,000	\$22,000	\$22,000	\$22,000	\$22,000
Assessed Value	\$0	\$0	\$0	\$0	\$0

## Valuation Notice

[2023 Assessment Notice \(PDF\)](#)

## Land

Description	Land Type	Land Code	Square Feet	Acres	Front Foot
MARSH ONLY	A	16M	95,657,760	2,196.0000	0

Total Acres:  
2,196.0000

## Permits

Date	Number	Amount	Purpose
07/23/2015	15-01163-1	\$444,995	CM

## Photos



**Map**



No data available for the following modules: Comp Search (Residential), Comp Search (Commercial), Comp Search (Commercial), Residential Improvement Information, Additions, Commercial Improvement Information, Interior/Exterior Information, Accessory Information, Other Features, Sketches, Sales.

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