



**South Carolina Department of Transportation**  
On Behalf of the Federal Highway Administration - South Carolina Division Office



PROCESSING FORM FOR PROGRAMMATIC CATEGORICAL EXCLUSIONS  
NON MAJOR FEDERAL ACTIONS

State ID  Fed Project #  Route  County

**Part 1 - Project Description**

Include the Project Name/Description

S-243 Bridge Replacement over Adams Creek (DR-4394)

Damage occurred to the S-243 ( Buchanan Bridge Rd) bridge over Adams Creek in Chesterfield County during the 2018 Hurricane Florence storm event (see attached inspection report). The proposed repair involves the construction of a new hollow core bridge (70' span) on same alignment utilizing low volume design criteria.

The proposed project was determined to have 1) no effect to historic properties 2) no effect to threatened and endangered species 3) minimal, if any impacts to waters of the US/state. USACoE permit will be the responsibility of the SCDOT.

**Part 2 - PCE Type**

Select the appropriate Categorical Exclusion from 23 CFR Part 771.117 that best fits the entire project from the drop-down menu. **Reference Appendix A of the PCE Agreement for a more detailed description of each CE contained in 23 CFR 771.117.**

23 CFR 771.117(c)

23 CFR 771.117(d)

**Part 3 - Thresholds**

To be processed as a Programmatic Categorical Exclusion (PCE) the following conditions must be met in addition to the General Criteria (as outlined in the PCE Agreement between FHWA-SC and SCDOT). Place a "X" in the appropriate box below. If the answer is "Yes" to any of the below criteria, SCDOT will consult with FHWA-SC to determine the appropriate level of NEPA documentation required and forward to FHWA-SC for approval. **\*Reference Part 4 of the Processing form or Section IV of the PCE Agreement for more details and definitions regarding each threshold.**

1.	Involves any unusual circumstances as described in *23 CFR Part 771.117(b)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2.	The acquisition of more than *minor amounts of temporary or permanent strips of right-of-way	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

## Part 3 - Thresholds Continued

3.	Involves acquisitions that result in residential or non-residential displacements	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
4.	Results in capacity expansion of a roadway by adding through lanes	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
5.	Involves construction that would result in <u>*major traffic disruptions</u>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
6.	Involves <u>*changes in access control</u> requiring FHWA approval	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
7.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
8.	Use of Section 4(f) property that cannot be documented with a FHWA <i>de minimis</i> determination or a programmatic Section 4(f) other than the programmatic evaluation for the use of historic bridges	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
9.	Any use of a Section 6(f) property	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
10.	Requires an Individual USACE 404 Permit	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
11.	Requires an Individual U.S. Coast Guard Permit.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
12.	Work encroaching in a regulatory floodway, adversely affecting the base floodplain (100 yr.) pursuant to E.O. 11988 and 23 CFR Part 650 Subpart A	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
13.	Construction in, across, or adjacent to a river designated as a National Wild and Scenic River	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
14.	Involves an increase of 15 dBA or greater on any noise receptor or abatement measures are found to be feasible and reasonable due to noise impacts	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
15.	May affect and is likely to adversely affect a Federally listed species or designated critical habitat or projects with impacts subject to the BGEPA	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
16.	Involves acquisition of land for hardship, protective purposes, or early acquisition	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
17.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
18.	Any known or potential <u>major</u> hazardous waste sites within the right-of-way.	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
19.	Is not included in or is inconsistent with the STIP and/or TIP	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

**Part 3 Continued - Additional criteria to be completed for disposal of excess right-of-way PCE**

1. Is the parcel part of a SCDOT environmental mitigation effort or could it be used for environmental mitigation?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
2. Is there a formal plan to use this parcel for a future transportation project (is it part of an approved LRTP)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

**Part 4 - Threshold Definitions**

**Unusual Circumstances (23 CFR Part 771.117)** - Unusual circumstances are defined as:

- a. Significant environmental impacts;
- b. Substantial controversy on environmental grounds;
- c. Significant impact on properties protected by Section 4(f) of the DOT ACT or Section 106 of the National Historic Preservation Act; or
- d. Inconsistencies with any Federal, State, or local law, requirement, or administrative determination relating to the environmental aspects of the action.

**Minor Amount of Right-of-Way (ROW):**

A minor amount of ROW is defined as less than 3 acres per linear mile for linear projects or less than 10 acres of impacts for non-linear projects (eg: intersections, bridges), and no removal of major property improvements. Examples of major improvements include residential and business structures, or the removal of other features which would change the functional utility of the property. Removal of minor improvements, such as fencing, landscaping, sprinkler systems, and mailboxes would be allowed.

**Major Traffic Disruptions:**

A major traffic disruption is defined as an action that would result in: a) adverse effects to through-traffic businesses or schools, b) substantial change in environmental impacts, or c) public controversy associated with the use of the temporary road, detour, or ramp closure.

**Changes in Access Control:**

Requires approval from FHWA for changes in access control on the Interstate system (eg: Interchange Modification Reports or Interchange Justification Reports).

**Additional Comments if Needed:**

Project is 1 of 4 bridges part of Emergency Bridge Package 2018-2B coordinated through the Design Build Group.

Relevant field studies and environmental reviews have been completed to determine that the project meets the criteria set forth in the Programmatic Categorical Exclusion Agreement signed by FHWA-SC and SCDOT. It is understood that any additions/deletions to the project may void environmentally processing the project as presently classified; consequently, any engineering changes must be brought to the attention of SCDOT Environmental Services Office immediately. A copy of this form is included in the project file and one (1) copy has been provided to FHWA.

Prepared By:  Date:

*Will McGoldrick*

Will McGoldrick  
 on=Will McGoldrick, o=SCDOT, ou=Environmental Services Office,  
 email=mcgoldrick@scdot.org, c=US  
 2019.02.04 09:38:53 -0500

Primavera: <input type="checkbox"/> Yes <input type="checkbox"/> No      P2S Date: <input type="text"/>	Does the project contain commitments?: (if Yes attach to form) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
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Date: 12/28/2018



Project ID: P038245 County: Chesterfield District: District 4 Doc Type: PCE Total # of Commitments: 4

Project Name: S-243 Bridge Replacement over Adams Creek (DR-4394)

The Environmental Commitment **Contractor Responsible** measures listed below **are to be included in the contract and must be implemented**. It is the responsibility of the Program Manager to make sure the Environmental Commitment **SCDOT Responsible** measures are adhered to. If there are questions regarding the commitments listed please contact:

**CONTACT NAME:** Will McGoldrick

**PHONE #:** 803-737-1326

**ENVIRONMENTAL COMMITMENTS FOR THE PROJECT**

**Water Quality**

NEPA Doc Ref:

Responsibility:

CONTRACTOR

The contractor will be required to minimize possible water quality impacts through implementation of BMPs, reflecting policies contained in 23 CFR 650B and the Department's Supplemental Specification on Erosion Control Measures (latest edition) and Supplemental Technical Specifications on Seeding (latest edition). Other measures including seeding, silt fences, sediment basins, etc. as appropriate will be implemented during construction to minimize impacts to water quality.

**Non-Standard Commitment**

NEPA Doc Ref:

Responsibility:

CONTRACTOR

Migratory Birds

**Migratory Bird Treaty Act Special Provision**

The federal Migratory Bird Treaty Act, 16 USC § 703-711, states that it is unlawful to pursue, hunt, take, capture or kill; attempt to take, capture or kill; possess, offer to or sell, barter, purchase, deliver or cause to be shipped, exported, imported, transported, carried or received any migratory bird, part, nest, egg or product, manufactured or not. The South Carolina Department of Transportation (SCDOT) will comply with the Migratory Bird Treaty Act of 1918 in regard to the avoidance of taking of individual migratory birds and the destruction of their active nests.

**Cultural Resources**

NEPA Doc Ref:

Responsibility:

CONTRACTOR

The contractor and subcontractors must notify their workers to watch for the presence of any prehistoric or historic remains, including but not limited to arrowheads, pottery, ceramics, flakes, bones, graves, gravestones, or brick concentrations during the construction phase of the project, if any such remains are encountered, the Resident Construction Engineer (RCE) will be immediately notified and all work in the vicinity of the discovered materials and site work shall cease until the SCDOT Archaeologist directs otherwise.

Project ID:

SCDOT  
NEPA ENVIRONMENTAL COMMITMENTS  
FORM



**ENVIRONMENTAL COMMITMENTS FOR THE PROJECT**

**Stormwater**

NEPA Doc Ref:

Responsibility:

Stormwater control measures, both during construction and post-construction, are required for SCDOT projects with land disturbance and/or constructed in the vicinity of 303(d), TMDL, ORW, tidal, and other sensitive waters in accordance with the SCDOT's MS4 Permit. The selected contractor would be required to minimize potential stormwater impacts through implementation of construction best management practices, reflecting policies contained in 23 CFR 650 B and SCDOT's Supplemental Specifications on Seed and Erosion Control Measures (latest edition).

NEPA Doc Ref:

Responsibility:

NEPA Doc Ref:

Responsibility:



# Cultural Resources Project Screening Form

File Number:  PIN:  Route:  County:

Project Name:

Type 1: Resurfacing, installation of fencing, signs, pavement markings, traffic signals, passenger shelters, railroad warning devices, installation of rumble strips, and landscaping

Project Type

Type 2: Bridge replacements on alignment, construction of bicycle/pedestrian facilities, and intersection improvements

Type 3: Projects that do not fall into Type 1 and Type 2 categories (e.g. road widening)

## Comments

This project consists of an emergency bridge replacement along S-243 (Buchanan Bridge Road) over Adams Creek in Chesterfield County. The APE extends 800 feet on either side of the existing bridge structure. It is 100 feet wide along the road and 200 feet wide at the bridge. A background review using ArchSite indicated that no previously recorded cultural resources are located within or in the vicinity of the project area. SCDOT records indicated that the bridge to be replaced (Asset ID 726) is recorded as historic but listed as not eligible to the NRHP. A Web Soil Survey review indicated that soils in the APE were mostly eroded, slope, or frequently flooded wetlands. A small section of well-drained soil was present in the northeast. A cultural resources survey of the APE was conducted on November 29, 2018. The survey consisted of a pedestrian reconnaissance of the entire APE augmented by the excavation of judgmental shovel test pits. Soil conditions were consistent with the online review. Fourteen shovel test pits were excavated in the APE. No artifacts or historic features or structures were identified during the field visit. No additional cultural resources investigations are recommended. No historic properties will be affected.

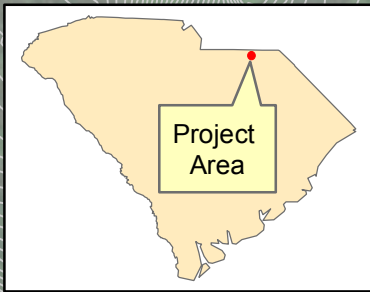
Effect Determination:

\*SHPO consultation is required for all Type 3 projects and any project with a No Adverse or Adverse Effect Determination.

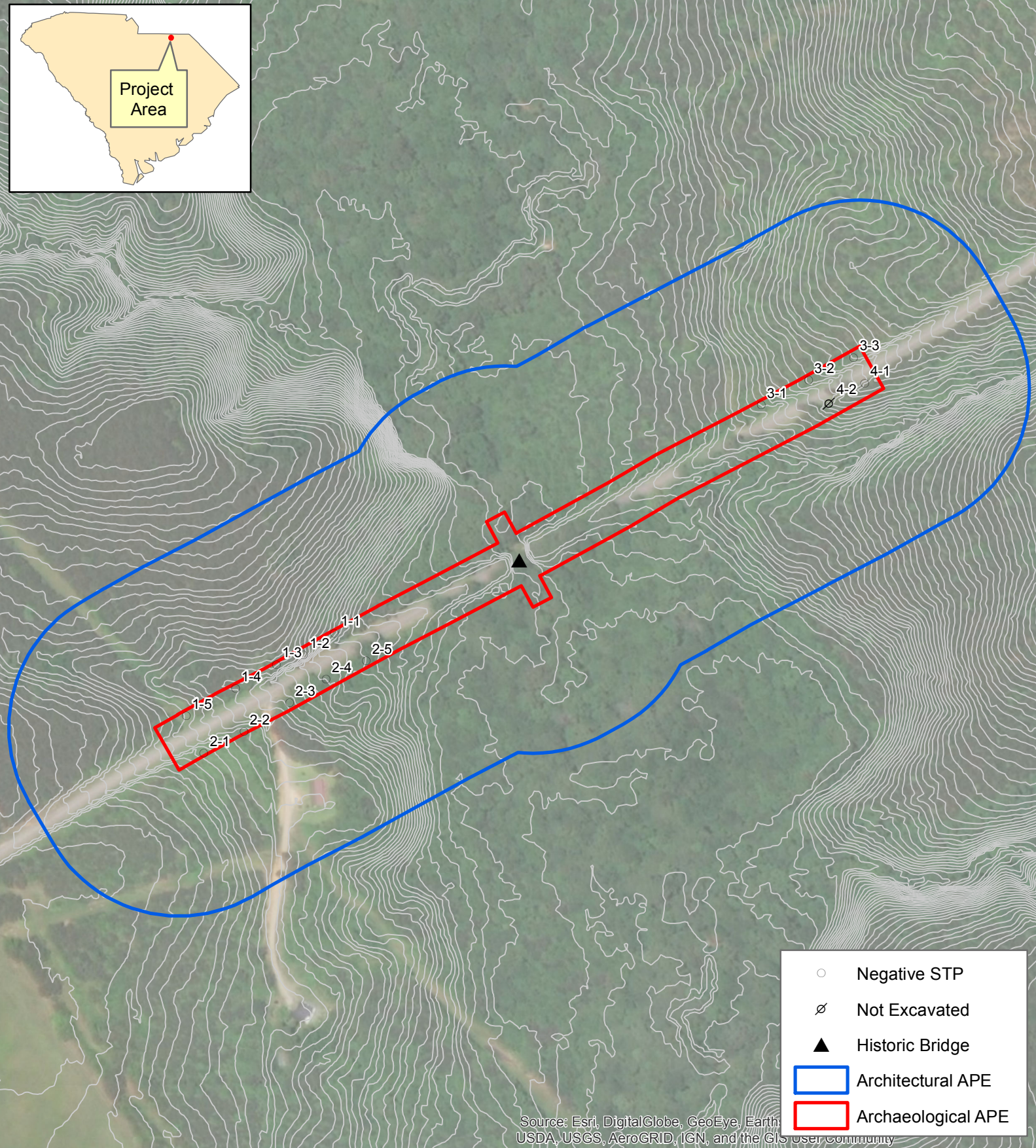
This screening form was developed to satisfy documentation requirements for Type I and Type II projects under a Programmatic Agreement between the Federal Highway Administration, the South Carolina State Historic Preservation Office, the US Army Corps of Engineers, and the South Carolina Department of Transportation. For Type I and Type II projects that have no effect on historic properties, the completion of this screening form with supporting documentation (e.g. ArchSite Map) provides evidence of FHWA and SCDOT's compliance with Section 106 of the National Historic Preservation Act.

Prepared by:

Review Date:



Project Area



- Negative STP
- ∅ Not Excavated
- ▲ Historic Bridge
- ▭ Architectural APE
- ▭ Archaeological APE

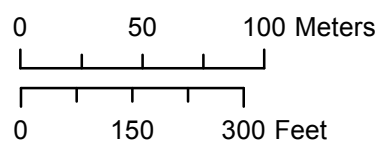
Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AeroGRID, IGN, and the GIS User Community

December 4, 2018

**S-243 (Buchanan Bridge Road)**  
**Emergency Bridge Project**

**Chesterfield County**

Project ID: n/a



Biological Survey of S-243 Bridge Replacements over  
Jimmies Creek  
Chesterfield County, S.C.  
December 10, 2018

Pursuant to Section 7 of the Endangered Species Act a field survey was conducted on the proposed new right of way. The following list of threatened (T) and endangered (E) species was obtained from the U.S. Fish and Wildlife Service:

**Bald and Golden Eagle Protection Act (BGEPA)**

Bald eagle (*Haliaeetus leucocephalus*)

**Animals**

Red-cockaded woodpecker (*Picoides borealis*) – E

Shortnose sturgeon (*Acipenser brevirostrum*) - E

Atlantic sturgeon (*Acipenser oxyrinchus*) – E

Carolina heelsplitter (*Lasmingona decorata*) – E, CH

**At-Risk Species**

Blueback herring (*Alosa aestivalis*)

Tri-colored bat (*Perimyotis subflavus*)

Brook floater (*Alasmidonta varicosa*)

Carolina-birds-in-a-nest (*Macbridea caroliniana*)

Georgia aster (*Symphyotrichum georgianum*)

Georgia leadplant (*Amorpha georgiana* var. *georgiana*)

Wire-leaved dropseed (*Sporobolus teretifolius*)

Monarch butterfly (*Danaus plexippus*)

Robust redhorse (*Moxostoma robustum*)

Frosted elfin (*Callophrys irus*)

Septima's clubtail (*Gomphus septima*)

Southern hognose snake (*Heterodon simus*)

Spotted turtle (*Clemmys guttata*)

**Methods**

The project area was examined by GIS on November 20, 2018 and a site visits on November 19, 2018. Habitats surveyed were determined by each species 'ecological requirements.



## Results

The proposed project consists of replacing the S-243 Bridge over Jimmies Creek. The project corridor consists predominantly of mature forested wetlands. The palustrine forested wetlands are dominated by tree canopy species such as sweet gum (*Liquidambar styraciflua*), loblolly pine (*Pinus taeda*), eastern red cedar (*Juniperus virginiana*), privet (*Ligustrum spp*), holly (*Ilex aquifolium*) and honey suckle (*Lonicera periclymenum*). The highway right of way consists predominantly of regularly-maintained grasses, along with various herbaceous species.

According to the Heritage Trust database of endangered, threatened and rare species, there are no such species located in the vicinity of the project. The bald eagle nests near large bodies of water where it can fish. No large bodies of water are present in the project corridor and there is no habitat for the bald eagle. No bald eagles or signs of their nesting activities were observed in the project area. The red-cockaded woodpecker nests and forages in mature open pine forests. The project will not impact any potential nesting or foraging habitat for the red-cockaded woodpecker. The shortnose and Atlantic sturgeons are found in estuarine and nearshore waters of the Atlantic Ocean and the river systems that drain into it. This unnamed tributary is a slow moving stream and there is no riverine habitat in the project corridor that is suitable for the shortnose or Atlantic sturgeons. No endangered or threatened species were observed during the survey. A mussel survey was performed on November 19, 2018. The creek does not have suitable habitat to support the Carolina heelsplitter and none were found. Therefore, there will be no effect to this species.

Based on lack of suitable habitat and/or no observations of the listed species during field surveys, results of the threatened and endangered species study indicate that the proposed action will have no effect upon any threatened or endangered species or critical habitats currently listed by the USFWS.

*Erin Jenkins*

December 10, 2018



12/3/2018

## Watershed and Water Quality Information

### General Information

**Applicant Name:**

**Permit Type:** MS4

**Latitude:** 34.7483

**Longitude:** -80.0669

**MS4 Designation:** Not in designated area

**Monitoring Station:**

**Within Coastal Critical Area:** NO

**Water Classification (Provisional):** FW

**Waterbody Name:** JIMMIES CREEK

**Entered Waterbody Name:**

### Parameter Descriptions

NH3N	Ammonia	FC	Fecal Coliform
CR	Chromium	FCB	Fecal Coliform (Shellfish)
CU	Copper	BIO	Macroinvertebrates (Bio)
HG	Mercury	TP	(Lakes) Phosphorus
NI	Nickel	TN	(Lakes) Nitrogen
PB	Lead	CHLA	(Lakes) Chlorophyll a
ZN	Zinc	ENTERO	(Beach) Enterococcus
DO	Dissolved Oxygen	HGF	Mercury (Fish)
PH	pH	PCB	PCB (Fish)

### Impaired Status (downstream sites)

Station																		
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F = Standards Fully Supported  
N = Standards Not Supported

A = Assessed at Upstream Station  
X = Parameter Not Assessed at Station

T = Within TMDL Approved Watershed

### Parameters to be addressed (those not supporting standards)

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### Fish Consumption Advisory

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### TMDL Information - TMDL Parameters to be addressed

**In TMDL Watershed:** Yes

**TMDL Site:** PD-247

**TMDL Report No:** 02-04

**TMDL Parameter:** Fecal

**TMDL Document Link:** [http://www.scdhec.gov/HomeAndEnvironment/Docs/tmdl\\_thompson.pdf](http://www.scdhec.gov/HomeAndEnvironment/Docs/tmdl_thompson.pdf)

Date: 12/28/18

### PERMIT DETERMINATION

FROM Will McGoldrick COMPANY SCDOT

CONTACT INFO (phone and/or email) 80-737-1326; mcgoldriwr@scdot.org

SCDOT PROJECT ENGINEER Brad Reynolds

TO Will McGoldrick - Design Build Coordinator

Project Description S-243 Bridge replacement due to Hurricane Florence damage part of the BD package 2018-2B with 4 bridges

Route or Road No. S-243 County Chesterfield

CONST. PIN \_\_\_\_\_ OTHER PINS or STRUCTURE # P038245

RESPONSE:

It has been determined that no permits are required because:

The following permit(s) is/are necessary:  
(Please check which type(s) of permit the project will need)

USACE Permit  GP  IP  401  JD

OCRM Permit  CAP  CZC

Navigable  SCDHEC NAVGP – if checked a USCG and/or USACE navigable permit may also be required, but will be determined during the NEPA and Permitting stages.

Other NWP 3

Water Classification: FW

*Print and attach the SCDHEC water quality report*

303(d) listed  no  yes, for \* \_\_\_\_\_

TMDL developed  no  yes, for \* Fecal site PD-247 see WQ report

\*List all that apply using the SCDHEC abbreviations

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The determination above was based on the most recently available information at the time. This is a preliminary determination and is subject to change if the design of the project is modified.

**Will McGoldrick**  
Digitally signed by Will McGoldrick  
DN: cn=Will McGoldrick, o=SCDOT, ou=RP1  
Permit Coordinator, email=mcgoldriwr@scdot.org,  
c=US  
Date: 2018.12.28 10:25:33 -0500  
\_\_\_\_\_  
Biologist, SCDOT/Consultant

**12-28/18**  
\_\_\_\_\_  
Date

**U.S. Army Corps of Engineers - Charleston District  
Checklist for 2017 Nationwide Permit Review  
Nationwide Permit 3 - Maintenance  
(10/404)**

SAC#: \_\_\_\_\_

Applicant Name: SCDOT

Waterway/Location: Jimmies Creek, Chesterfield

Project Name: S-243 (N Craig St)

**The purpose of this Nationwide Permit (NWP) checklist is to assist with determining if a proposed activity qualifies for use of this NWP. The checklist will also assist with determining when a Pre-Construction Notification (PCN) is be required, if a PCN is incomplete, and other actions that may be required during a PCN review.**

**Please complete Section I and all other applicable sections.**

**I. Regional Conditions**

1. Will the proposed activity alter or temporarily occupy or use a USACE federally authorized Civil Works project (a "USACE" project") regulated by 33 U.S.C. 408?

Yes\* (PCN required)     No

2. If the proposed activity requires permission from the Corps pursuant to 33 U.S.C. 408 because it will alter or temporarily or permanently occupy or use USACE federally authorized "USACE" project, has the Charleston District issued the section 408 permission to alter, occupy, or use the USACE project?

N/A     Yes     No (Activity cannot be authorized by a NWP until 408 permission issued)

3. Is the proposed activity located in or adjacent to an authorized Federal Navigation project? These Federal Navigation areas include Adams Creek, Atlantic Intracoastal Waterway (AIWW), Ashley River, Brookgreen Garden Canal, Calabash Creek, Charleston Harbor (including the Cooper River and Town Creek), Folly River, Georgetown Harbor (Winyah Bay, Sampit River, and Bypass Canal), Jeremy Creek, Little River Inlet, Murrells Inlet (Main Creek), Port Royal Harbor, Savannah River, Shem Creek (including Hog Island Channel & Mount Pleasant Channel), Shipyard Creek, Village Creek and the Wando River.

Yes\* (PCN required, Corps PM will coordinate with CESAC-OP-N)     No

4. If the proposed activity is located in or adjacent to an authorized Federal Navigation project, as listed in Regional Condition #18, does the PCN include project drawings that have the following information: a) location of the edges of the Federal channel; b) setback distances from the edge of the channel; c) the distance from watermost edge of the proposed structure or fill to the nearest edge of the channel and the Mean High and Mean Low water lines; and d) coordinates of both ends of the watermost edge of the proposed structure or fill (NAD 83 State Plane Coordinates in decimal degrees).

N/A     Yes     No (Incomplete PCN)

5. Is the proposed activity located in waters that are designated critical habitat under section 7 of the Endangered Species Act or waters that are proposed critical habitat? (Refer to the following National Oceanic and Atmospheric Administration (NOAA) Fisheries website for the most up-to-date information regarding Critical Habitat designations under the jurisdiction of the National Marine Fisheries Service (NMFS): [http://sero.nmfs.noaa.gov/protected\\_resources/section\\_7/threatened\\_endangered/](http://sero.nmfs.noaa.gov/protected_resources/section_7/threatened_endangered/))

Yes\* (PCN required  
Corps PM to determine  
if coordination with  
NMFS PRD is necessary)     No

6. Is the proposed project located within a designated floodway within the FEMA Special Flood Hazard Area (SFHA)?

Yes (The permittee  
must comply with  
with Regional Condition  
#14. )     No

7. Is the proposed project located within a designated FEMA Special Flood Hazard Area (SFHA)?

Yes (The permittee  
must comply with  
with Regional Condition  
#15. )     No

8. Will the discharge of dredged or fill material into waters of the United States, associated with the proposed activity occur within or directly affecting Designated Critical Resource Waters, including wetlands adjacent to such waters? (Note: The ACE Basin National Estuarine Research Reserve and the North Inlet Winyah Bay National Estuarine Research Reserve are Designated Critical Resource Waters.)

N/A     Yes\* (PCN required)     No

9. Does the proposed activity comply with the Regional Conditions #1-#9?

Yes     No (Activity does not qualify for use of a NWP)

10. Does the activity comply with all of the NWP General Conditions?

Yes     No (Activity does not qualify for use of a NWP)

11. If the proposed activity involves temporary structures, fills and/or work, including temporary mats, will the temporary structures, fill and/or work, including temporary mats, be in place for a period of more than 90 days per temporary impact area and/or phase of the overall project?

N/A     Yes\* (A PCN is required and time extension is required from the District Engineer..)     No

12. If the proposed activity involves temporary structures, fills and/or work, including temporary mats, will the temporary structures, fill and/or work, including temporary mats, be in place for a period of more than 180 days per temporary impact area and/or phase of the overall project?

N/A     Yes (Activity does not qualify for use of a NWP)     No

13. If the proposed activity requires a PCN and involves temporary structures, fills, and/or work, including the use of temporary mats, does the PCN include a written description and/or drawings of the proposed temporary activities that will be used during project construction?

N/A       Yes       No (Incomplete PCN)

14. For NWP 3, paragraph (a) and (c) activities, will the proposed discharge of dredged or fill material cause the loss of greater than 1/10-acre of waters of the United States OR is the proposed discharge of dredged or fill material located within a special aquatic site, which includes but is not limited to, wetlands, mudflats, vegetated shallows, riffle and pool complexes, sanctuaries, and refuges?

Yes\* (PCN required)       No

15. For NWP 3, paragraph (a) activities, does the proposed activity involve the repair, rehabilitation or replacement of existing utility lines constructed over navigable waters of the United States and existing utility lines routed in or under navigable waters of the United States, even if no discharge of dredged or fill material occurs?

Yes\* (PCN required)       No

16. For NWP 3, paragraph (b) activities, does the proposed activity involve the excavation of accumulated sediment or other material in the immediate vicinity of private or commercial dock facilities, piers, canals for boating access, marina, boatslips, etc.?

Yes (Activity does not qualify for NWP 3)       No

**II. Nationwide Permit 3 paragraph (a)** (Complete #1- 8 of this section II if paragraph (a) applies to the proposed activity)

N/A -Skip to Sections III, IV and/or V as appropriate.

1. Is the proposed activity for the repair, rehabilitation, or replacement of any previously authorized, currently serviceable structure or fill, or of any currently serviceable structure or fill authorized by 33 CFR 330.3?

Yes       No (Activity does not qualify for use of NWP 3 (a) )

2. Will the structure or fill be put to uses different from those specified or contemplated in the original permit or the most recently authorized modification?

Yes (Activity does not qualify for use of NWP 3 (a) )  No

3. Are any deviations in the structure's configuration or filled area, including those due to changes in materials, construction techniques, requirements of other regulatory agencies, or current construction codes or safety standards that are necessary to make the repair, rehabilitation, or replacement that occur with the project considered minor?

N/A  Yes  No (Activity does not qualify for use of NWP 3 (a) )

4. Does the proposed activity involve the removal of previously authorized structures or fills?

Yes  No

5. For any stream modifications that are associated with the project, are they limited to the minimum necessary for the repair, rehabilitation, or replacement of the structure or fill AND are the modifications, including the removal of material from the stream channel, located immediately adjacent to the project or within the boundaries of the structure or fill?

N/A  Yes  No (Activity does not qualify for use of NWP 3 (a) )

6. Does the proposed activity involve the removal of accumulated sediment and debris within, and in the immediate vicinity of, the structure or fill?

Yes  No

7. If the proposed activity involves the repair, rehabilitation, or replacement of structures or fills that were destroyed or damaged by storms, floods, fire or other discrete events, has the work commenced or is under contract to commence within two years of the date of their destruction or damage?

N/A  Yes  No



8. If the proposed activity involves the repair, rehabilitation, or replacement of structures or fills that were destroyed or damaged by storms, floods, fire or other discrete events, that are considered catastrophic events, such as hurricanes or tornadoes, and the work cannot commence or be under contract to commence, within two years of the date of their destruction, has the permittee demonstrated funding, contract, or other similar delays AND has the District Engineer waived the two-year limit?

N/A

Yes

No (Activity does not qualify for use of NWP 3 (a) )

**III. Nationwide Permit 3 (b)** (Complete #1- 4 of this section III if paragraph (b) applies to proposed activity) **NOTE: All Nationwide Permit 3 (b) activities require a Pre-Construction Notification (PCN)**

N/A -Skip to Section IV or V as appropriate

1. Does the proposed activity involve the removal of accumulated sediments and debris outside the immediate of existing structures (e.g. bridges, culverted road crossings, water intake structures, etc.)

Yes  No

2 Is the removal of sediment limited to the minimum necessary to restore the waterway in the vicinity of the structure to the approximate dimensions that existed when the structure was built AND does the removal activities extend 200 feet or less in any direction from the structure?

N/A  Yes  No (Activity does not qualify for use of NWP 3 (b) )

3. Does the activity involve the maintenance dredging for removal of accumulated sediments that are blocking or restricting outfall and intake structures OR does the activity involve the maintenance dredging for removal of accumulated sediments from canals associated with outfall and intake structures? (The 200-foot limit does not apply).

Yes  No

4. Will all dredged or excavated material be deposited and retained in an area that has no waters of the United States?

Yes       No

5. If the dredged or excavated material will be deposited and retained in an area that has waters of the United States, has a separate authorization approved by the District Engineers been issued?

Yes       No (Incomplete PCN)

6. Does the PCN include information regarding the original design capacities and configurations of the outfalls, intakes, small impoundments and canals?

Yes       No (Incomplete PCN)

**IV. Nationwide Permit 3 (c)** (complete #1- 4 if paragraph (c) applies to project)

N/A Skip to Section V as appropriate

1. Does the proposed activity involve temporary structures, fills, and work, including temporary mats, necessary to conduct the maintenance activity?

Yes       No (Activity does not qualify  
for use of NWP 3 (c) )

2. Have appropriate measures been taken to maintain normal downstream flooding to the maximum extent practicable, when the temporary structures, work, and discharges, including cofferdams, are necessary for construction activities, access fills, or dewatering of construction sites?

Yes       No (Activity does not qualify  
for use of NWP 3 (c) )

3. Do the temporary fills consist of materials, and will they be placed in a manner, that will not be eroded by expected high flows?

Yes       No (Activity does not qualify  
for use of NWP 3 (c) )

4. Will the temporary fills be removed in their entirety, the affected areas returned to pre-construction elevations, and the affected areas revegetated as appropriate?

Yes

No (Activity does not qualify for use of NWP 3 (c) )

**V. Nationwide Permit 3 (d)**

1. Does the proposed activity involve maintenance dredging for the primary purpose of navigation, beach nourishment, stream channelization OR stream relocation projects?

Yes (Activity does not qualify for use of NWP 3 )

No

Checklist Completed By: \_\_\_\_\_

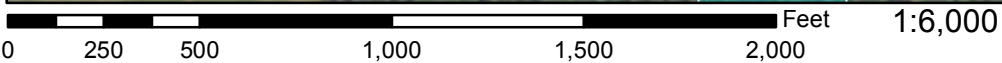
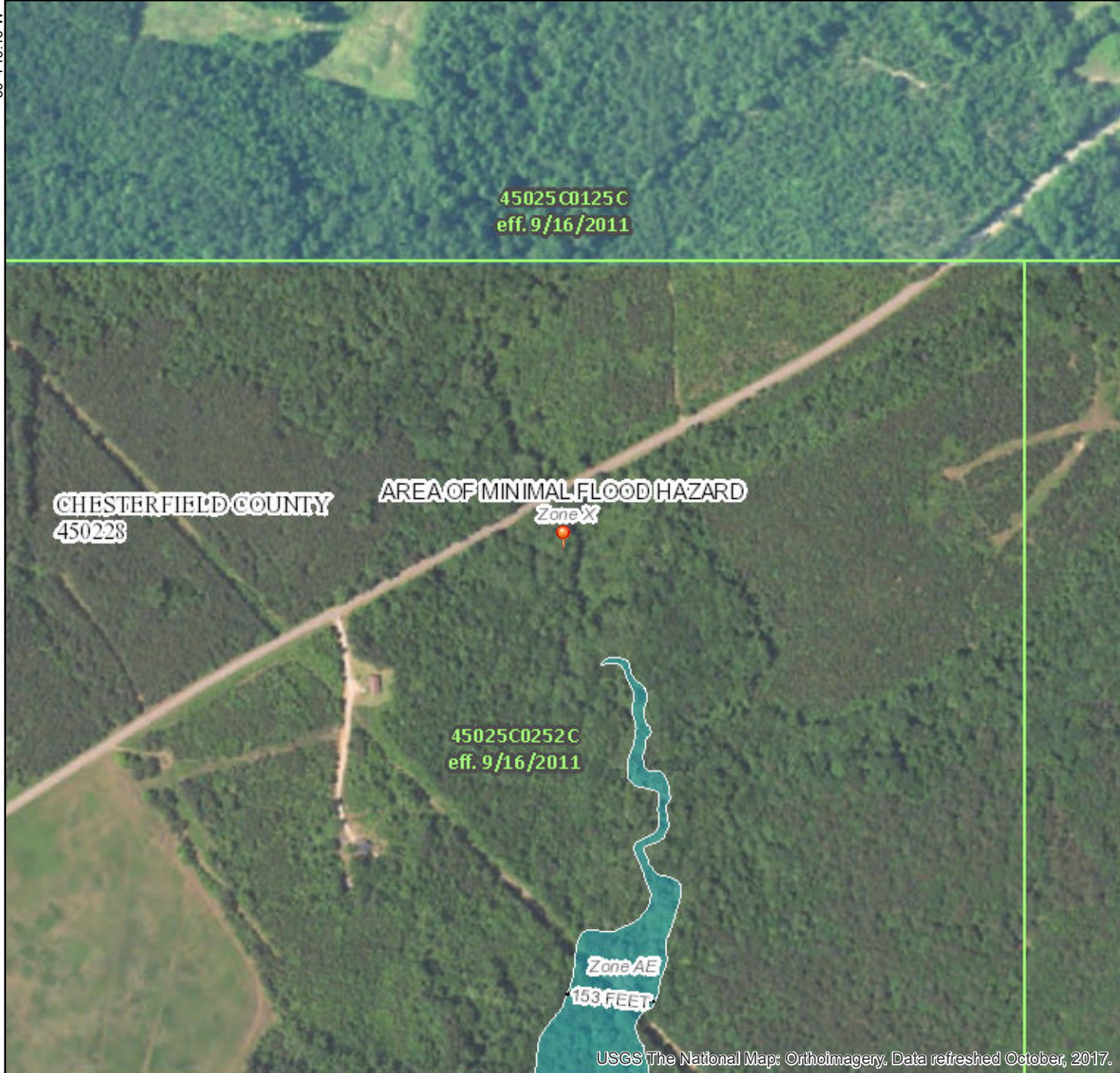


Date: 11/1/2018

# National Flood Hazard Layer FIRMette



34°45'7.17"N



34°44'37.60"N

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- |                             |  |  |
|-----------------------------|--|--|
| SPECIAL FLOOD HAZARD AREAS  |  | Without Base Flood Elevation (BFE)<br><i>Zone A, V, A99</i>  |
|                             |  | With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>   |
|                             |  | Regulatory Floodway  |
| OTHER AREAS OF FLOOD HAZARD |  | 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile <i>Zone X</i> |
|                             |  | Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>  |
|                             |  | Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>  |
|                             |  | Area with Flood Risk due to Levee <i>Zone D</i>  |
| OTHER AREAS                 |  | NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>   |
|                             |  | Effective LOMRs  |
|                             |  | Area of Undetermined Flood Hazard <i>Zone D</i>  |
| GENERAL STRUCTURES          |  | Channel, Culvert, or Storm Sewer   |
|                             |  | Levee, Dike, or Floodwall  |
| OTHER FEATURES              |  | 20.2 Cross Sections with 1% Annual Chance  |
|                             |  | 17.5 Water Surface Elevation   |
|                             |  | Coastal Transect   |
|                             |  | Base Flood Elevation Line (BFE)  |
|                             |  | Limit of Study   |
|                             |  | Jurisdiction Boundary  |
| MAP PANELS                  |  | Digital Data Available   |
|                             |  | No Digital Data Available  |
|                             |  | Unmapped   |
|                             |  | The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.                                     |

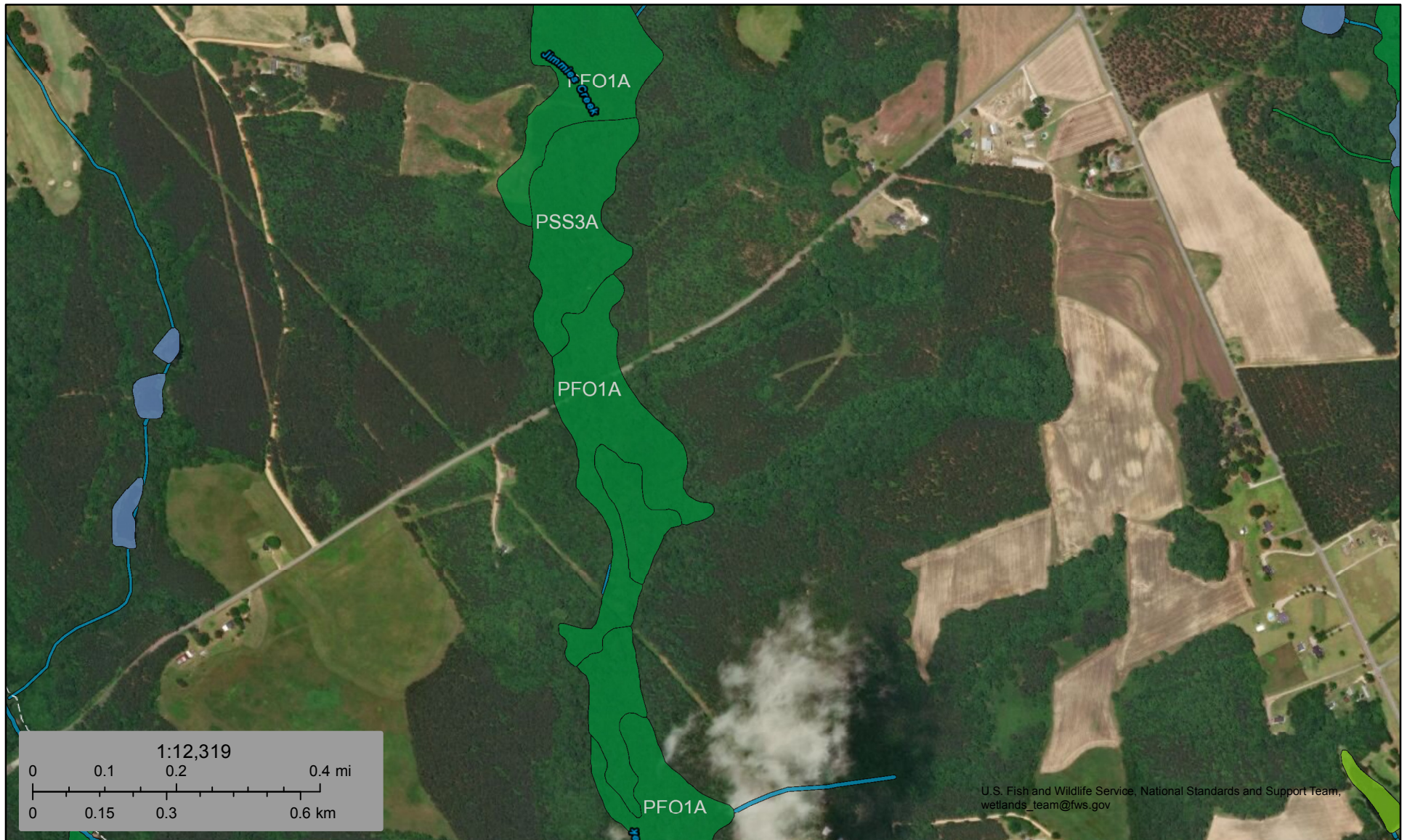


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/28/2018 at 10:05:14 AM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

80°34'17.1"W



U.S. Fish and Wildlife Service, National Standards and Support Team,  
wetlands\_team@fws.gov

December 28, 2018

**Wetlands**

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

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Department of Transportation  
Federal Highway Administration

# DETAILED DAMAGE INSPECTION REPORT

(Title 23, Federal-aid Highways)

Report Number  
**13-019-NFA-T31**

Sheet  
1 of 1

Location (Name of Road and Milepost)

S-243, Buchanan Bridge Rd  
34° 44.879' N / -80° 04.046' W

FHWA Disaster Number  
SC2018-2

Inspection Date  
9/25/2018

Description of Damage:

Double barrel cmp arch culverts 2@20', 2' separation at foundation  
Cobblestone masonry head walls, one side top 5 feet damaged  
One side at shoulder across bridge washed out  
Both sides guardrail damage, connection of posts to head wall damaged, maybe scour issues

Federal-aid Route Number  
S-243

State County  
SC Chesterfield

## Cost Estimate

	Description of Work to Date (Equipment, Labor, and Materials)	Unit	Unit Price	Quantity	Cost	
					Completed	Remaining
Emergency Repair	Traffic Control (Road Already Closed)	EA				
Method <input type="checkbox"/> Local Forces <input checked="" type="checkbox"/> State Forces <input type="checkbox"/> Contract				Subtotal PE/CE		\$0.00
					Emergency Repair Total	

Permanent Restoration	Mobilization (per site)	EA				
	Bridge Replacement	EA				
	Removal and disposal of existing bridge	LS				
Method <input type="checkbox"/> Local Forces <input type="checkbox"/> State Forces <input checked="" type="checkbox"/> Contract				Subtotal PE/CE		\$0.00
					Right-of-Way	\$0.00
					Perm. Repair Totals	

Environmental Assessment Recommendation <input checked="" type="checkbox"/> Categorical Exclusion <input type="checkbox"/> EA/EIS		Estimated Total	
Recommendation <input type="checkbox"/> Eligible <input checked="" type="checkbox"/> Ineligible	FHWA Engineer	Date	
Concurrence <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	State Engineer	Date	9/25/2018
Concurrence <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Local Agency Representative	Date	