

### South Carolina Department of Transportation

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	P038249	Fed Project #		Route	S-33	County	Marlboro				
	Part 1 - Project Description										
Include tl	nclude the Project Name/Description										
Damage occurred to the S-33 (David's Pond Road) bridge over Naked Creek during the 2018 Hurricane Florence storm event (see attached inspection report). The proposed repair involves the replacement of the damaged structure with a new bridge on the same alignment.  The proposed project was determined to have no effect to threatened and endangered species and minimal, if any, impact to jurisdictional wetlands. USACE permit will be the responsibility of the contractor.  A review of the project's potential impacts to cultural resources resulted in a determination of "no historic properties affected." One resource, David's Mill Complex, was recorded as a historic district but will not be affected by the project.											
	Part 2 - PCE Type										
	ference Append				17 that best fits the						
23 CFR 77	1.117(c) Emergen	cy repairs under 2	23 USC 125								
23 CFR 77	1.117(d)										
			Part 3	3 - Thres	holds						
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. Ir	volves any unusua	l circumstances a	s described in *23	CFR Part 7	71.117(b)		Yes	⊠ No			
	ne acquisition of m f right-of-way	ore than * <u>minor a</u>	amounts of tempo	rary or pe	manent strips		Yes	⊠ No			
				•		•			_		

Part 3 - Thresholds Continued								
3.	Involves acquisitions that result in residential or non-residential displacements	☐ Yes	⊠ No					
4.	Results in capacity expansion of a roadway by adding through lanes	☐ Yes	⊠ No					
5.	Involves construction that would result in *major traffic disruptions	Yes	⊠No					
6.	Involves *changes in access control requiring FHWA approval	☐ Yes	⊠ No					
7.	An adverse effect determination under Section 106 of the National Historic Preservation Act.	☐ Yes	⊠ 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	☐ Yes	⊠ No					
9.	Any use of a Section 6(f) property	☐ Yes	⊠ No					
10.	Requires an Individual USACE 404 Permit	☐ Yes	⊠ No					
11.	Requires an Individual U.S. Coast Guard Permit.	☐ Yes	⊠ 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	☐ Yes	⊠ No					
13.	Construction in, across, or adjacent to a river designated as a National Wild and Scenic River	☐ Yes	⊠ 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	☐ Yes	⊠ 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	☐ Yes	⊠ No					
16.	Involves acquisition of land for hardship, protective purposes, or early acquisition	Yes	⊠ No					
17.	Does not meet the latest Conformity Determination for air quality non-attainment areas (if applicable).	☐ Yes	⊠ No					
18.	Any known or potential <u>major</u> hazardous waste sites within the right-of-way.	☐ Yes	⊠ No					
19.	Is not included in or is inconsistent with the STIP and/or TIP	☐ Yes	∑ No					

Part 3 Continued - Additional criteria to be completed for disposal of excess righ	t-of-way F	PCE						
Is the parcel part of a SCDOT environmental mitigation effort or could it be used for environmental mitigation?	☐ Yes	⊠ No						
2. Is there a formal plan to use this parcel for a future transportation project (is it part of an approved LRTP)?	☐ Yes	⊠ No						
Part 4 - Threshold Definitions								
Unusual Circumstances (23 CFR Part 771.117) - Unusual circumstances are defined as:								
<ul> <li>a. Significant environmental impacts;</li> <li>b. Substantial controversy on environmental grounds;</li> <li>c. Significant impact on properties protected by Section 4(f) of the DOT ACT or Section 106 of the National Histor</li> <li>d. Inconsistencies with any Federal, State, or local law, requirement, or administrative determination relating to t of the action.</li> </ul>	ic Preservatio he environme	n Act; or ental aspects						
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 busines substantial change in environmental impacts, or c) public controversy associated with the use of the temporary iclosure.  Changes in Access Control:								
Requires approval from FHWA for changes in access control on the Interstate system (eg: Interchange Modification	on Reports or	Interchange						
Justification Reports).  Additional Comments if Needed:								
Relevant field studies and environmental reviews have been completed to determine that the project								
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 bought 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: Chad C. Long Date Nov	/ 19, 2018							
Primavera: Yes No P2S Date: Does the project contain commitments?: (if Yes attach to form	ı) 🗵 Yes	□ No						

Form Updated: 7-28-2016



Date:  11/	/19/2018		NEPA ENVIRO	NMENTAL	COMMITMEN		ENVINORMENTAL SERVICES			
Project ID :	P038249	County:	Marlboro District : District 5 Doc Type: PCE					Total # of Commitments:	4	
Project Nam	ne: S-33 (David's P	ond Road)	over Naked Creek	Bridge Re	placement					
the responsib	nental Commitment bility of the Program parding the commitm	Manager to	o make sure the Env							
	NAME: Chad Long				·	PHON	E#: 7			
		EN	VIRONMENTAL	COMMI	MENTS FOR	THE PR	DJECT			
Water Qu	ality			c Ref: PC			Responsibility:	SCDOT		
Non-Stan	dard Commitme	ent	NEPA Do	NEPA Doc Ref: PCE				CONTRACTOR		
Migrator	y Birds									
Migrato	ry Bird Treaty Ac	t Special P	rovision							
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 to prevent the unlawful taking or killing of migratory birds and the unauthorized destruction of their active nests. Active nests are defined as nests that contain eggs and/or juvenile birds; the nest is considered active until all juvenile birds permanent										
C 14										
Cultural F	lesources		NEPA Do	Ref: PC	E		Responsibility:	CONTRACTO	R	
remains,	ractor and subco	not limite	d to arrowhead	ds, potte	ery, ceramics	,flakes,	bones, graves,	gravestones	, or brick	

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: P038249

## SCDOT NEPA ENVIRONMENTAL COMMITMENTS FORM



### **ENVIRONMENTAL COMMITMENTS FOR THE PROJECT**

General Permit	NEPA Doc Ref: PCE	Responsibility:	SCDOT
Impacts to jurisdictional waters will be per Corps of Engineers. Based on preliminar SCDOT's General Permit (GP). The requ USACE and other resource agencies.	y design, it is anticipated that the prop	osed project wo	uld be permitted under
Stormwater	NEPA Doc Ref: PCE	Responsibility:	CONTRACTOR
Stormwater control measures, both during disturbance and/or constructed in the violente SCDOT's MS4 Permit. The selected complementation of construction best mas Supplemental Specifications on Seed and	cinity of 303(d), TMDL, ORW, tidal, and o contractor would be required to minimize magement practices, reflecting policies of	ther sensitive wa e potential storn contained in 23 (	nters in accordance with nwater impacts through
	NEPA Doc Ref: Page: XX Paragraph: XX	Responsibility:	

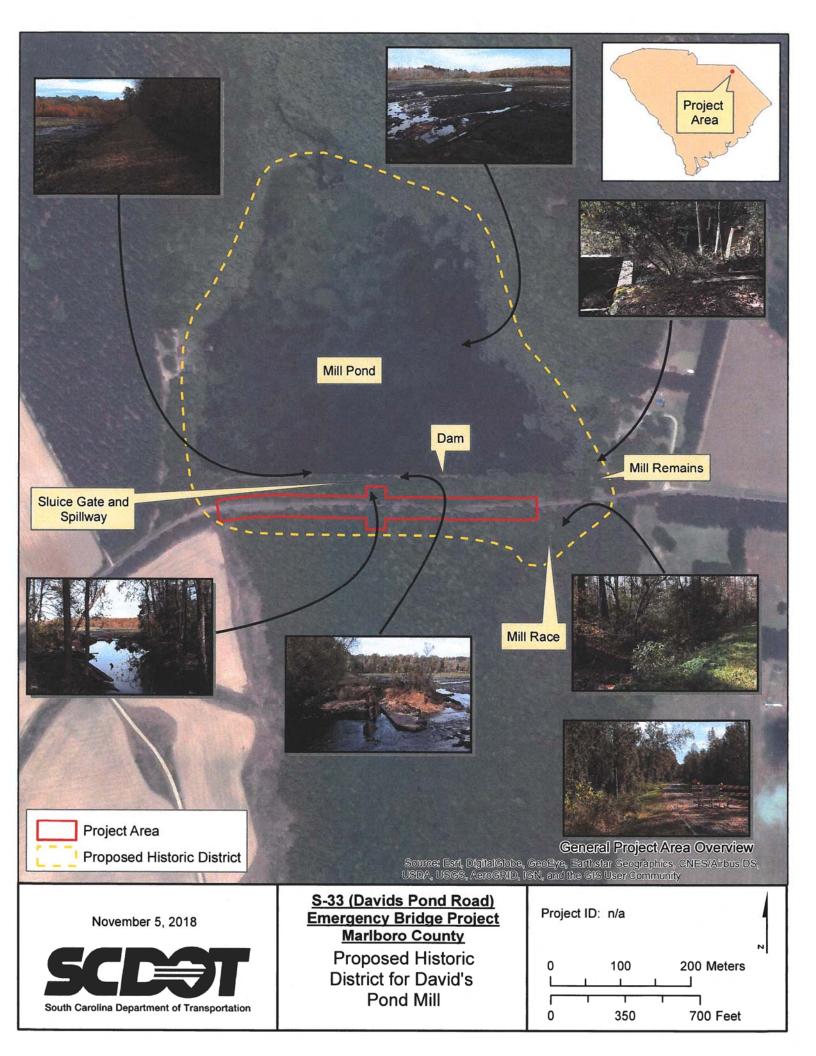
### Cultural Resources Project Screening Form

	ŭ									
File Number: PIN: 38104-3 Route: S-33	County: Marlboro									
Project Name:										
S-33 Over David's Pond Spillway Emergency Bridge Replacement	ACTION OF THE SECRET AND ACTION OF THE SECRET ACTIO									
Type 1: Resurfacing, installation of fencing, signs, pavement markings,  Project Type										
traffic signals, passenger shelters, railroad warning devices, installation of rumble strips, and landscaping	2									
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										
David's Pond spillway. The APE was established as a 100 foot corridor straddling the roadway for a distance of 700 feet to the north and south of the bridge, widening to 200 feet at the bridge. Background research indicated no previously recorded cultural resources were present but historic maps indicated the presence of David's Pond, a ca early 20th century mill pond just to the north of S-33. A cultural resources survey was conducted on 11-1-18. The entire study area was found to be low lying and no cultural resources were noted. However, the spillway and mill race associated with David's Mill were found to run beneath S-33 within the study area, and other features associated with the mill complex including the remains of a mill building were noted within 300 feet of the study corridor. The David's Mill Pond complex should not be affected by the S-33 bridge replacement. However, the complex will be recorded as a historic district as part of this project. No additional cultural resources investigations are recommended.										
Effect Determination: No Historic Properties Affected										
*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 requireme a Programmatic Agreement between the Federal Highway Administration Preservation Office, the US Army Corps of Engineers, and the South Cara Type I and Type II projects that have no effect on historic properties, the supporting documentation (e.g. ArchSite Map) provides evidence of FHV 106 of the National Historic Preservation Act.	on, the South Carolina State Historic olina Department of Transportation. For e completion of this screening form with									

Prepared by: William Jurgelski

Review Date:

11/5/2018



### Biological Survey of S-33 Bridge Replacements over Naked Creek Marlboro County, S.C. November 15, 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

### **Plants**

Canby's dropwort (Oxypolis canbyi) - E

### **At-Risk Species**

Blueback herring (Alosa aestivalis)
Tri-colored bat (Perimyotis subflavus)
Boykin's lobelia (Lobelia boykinii)
Bay boneset (Eupatorium paludicola)
Monarch butterfly (Danaus plexippus)
Robust redhorse (Moxostoma robustum)

### Methods

The project area was examined by GIS on October 29, 2018 and a site visits on November 13. Habitats surveyed were determined by each species 'ecological requirements.

### Results

The proposed project consists of replacing the S-33 Bridge over Naked Creek. The project corridor consists predominantly of mature forested wetlands with an adjacent mill pond. The palustrine forested wetlands are dominated by tree canopy species such as red maple (*Acer rubrum*), swamp tupelo (*Nyssa biflora*), sweet gum (*Liquidambar styraciflua*), sweet bay (*Laurus nobilis*), privet (*Ligustrum spp*) and holly (*Ilex aquifolium*). 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. Davis Millpond is adjacent to the project corridor which could serve as fishing habitat for the Bald eagle. However, no Bald eagles were seen or evidence of nesting habitat was seen on the site visit. 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. Naked creek is a slow moving swamp system lacking a single defined stream channel and there is no riverine habitat in the project corridor that is suitable for the shortnose or Atlantic sturgeons.

Canby's dropwort is found in or near wetlands; however, no specimens were observed during the survey due to being outside the survey window. However, we consulted with USFWS. They confirmed that there is no known occurrence of the species in the project vicinity. The determination was made that the project would have "no effect" on dropwort based on the fact that we are staying on existing alignment, acquiring minimal (if any) right-of-way, and the bridge replacement will require minimal fill adjacent to wetlands. No endangered or threatened species were observed during the survey.

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

November 15, 2018

Date: 10/30/2018

### PERMIT DETERMINATION

FROM Erin Je	nkins	COMPANY SCDOT	
CONTACT INFO	(phone and/or	<sub>email)</sub> 803-737-5812, jenkinser	n@scdot.org
SCDOT PROJEC	T ENGINEER		
TO Erin Jenkins	- RPG 2 Pern	nits Coordinator	
Project Descriptio	S-33 brid	ge replacement	
Route or Road No	S-33 (Dav	vids Pond Rd) County Marlboro	
CONST. PIN	ОТНЕ	R PINS or STRUCTURE #	
RESPONSE:			
It has been de	termined that n	o permits are required because:	
The following (Please che USACE Pe OCRM Pe Navigable Other	eck which type( ermit  rmit	e necessary:  (s) of permit the project will need)  GP	
Water Classification	on: FW	Print and attach the SCDHEC	water quality report
303(d) listo	ed 💿	no Oyes, for *	
TMDL dev	reloped 💿	no yes, for *	
Comments: De	pending on de	*List all that apply using the S egree of work a Nationwide may be su	
		eed on the most recently available informated is subject to change if the design of the period of th	



10/30/2018

### **Watershed and Water Quality Information**

### Genaral Information

**Applicant Name:** 

Permit Type: MS4

Latitude: 34.6440

Longitude: -79.7481

MS4 Designation: Not in designated area

Monitoring Station: PD-015

Within Coastal Critical Area: NO

Water Classification (Provisional): FW

Waterbody Name: NAKED CREEK

**Entered Waterbody Name:** 

Waterbody Name: NANED CREEK										En	erec	d Wa	terbody	/ Name	:					
Paramet	er Des	crip	tions	_																
	NH3N Ammonia CR Chromium CU Copper HG Mercury NI Nickel PB Lead ZN Zinc DO Dissolved Oxygen PH pH				EI	СВ (О		Fecal Coliform Fecal Coliform (Shellfish) Macroinvertebrates (Bio) (Lakes) Phosphorus (Lakes) Nitrogen (Lakes) Chlorophyll a (Beach) Enterococcus Mercury (Fish) PCB (Fish)												
Impaired	Statu	ıs (do	ownst	ream s	ites)															
Station	NH3N	CR	СП	HG	NI	РВ	ZN	DO	PH	TURBIDITY	ECO	LI FCB	E	310	TP	TN	CHLA	ENTERO	HGF	РСВ
PD-015	F	F	F	F	F	х	F	F	F	, F	F	A		х	х	х	х	х	N	х
E - Stan	E - Standardo Fully Supported A - Accessed of Unative on Challen T Militain TMDI America de Maria de la Companya de Maria de Challen de Chal																			

F = Standards Fully Supported

A = Assessed at Upstream Station

T = Within TMDL Approved Watershed

N = Standards Not Supported X = Parameter Not Assessed at Station

### **Fish Consumption Advisory**

HGF

### TMDL Information - TMDL Parameters to be addressed

In TMDL Watershed: No

TMDL Site:

TMDL Report No:

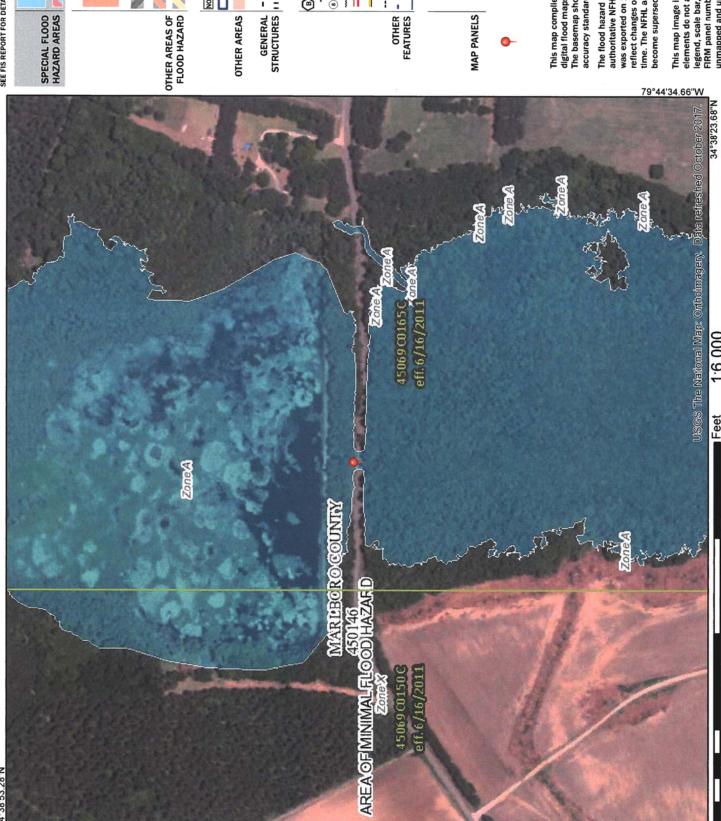
**TMDL Parameter:** 

THIDE REPORT NO.

TMDL Document Link:

# National Flood Hazard Layer FIRMette





# Legend

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

Without Base Flood Elevation (BFE) SPECIAL FLOOD HAZARD AREAS

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage WITH BFE or Depth Zone AE, AO, AH, VE AR Regulatory Floodway

Future Conditions 1% Annual

areas of less than one square mile Zone X

Area with Flood Risk due to Levee Zone D Area with Reduced Flood Risk due to Chance Flood Hazard Zone Levee. See Notes. Zone

NO SCREEN Area of Minimal Flood Hazard Zone X **Effective LOMRs** 

Area of Undetermined Flood Hazard Zone

Channel, Culvert, or Storm Sewer GENERAL ---- Channel, Culvert, or Storm STRUCTURES | 1111111 Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation 17.5

Base Flood Elevation Line (BFE) Coastal Transect Limit of Study

Jurisdiction Boundary

Coastal Transect Baseline Profile Baseline

Hydrographic Feature

OTHER FEATURES

Digital Data Available

Unmapped

No Digital Data Available

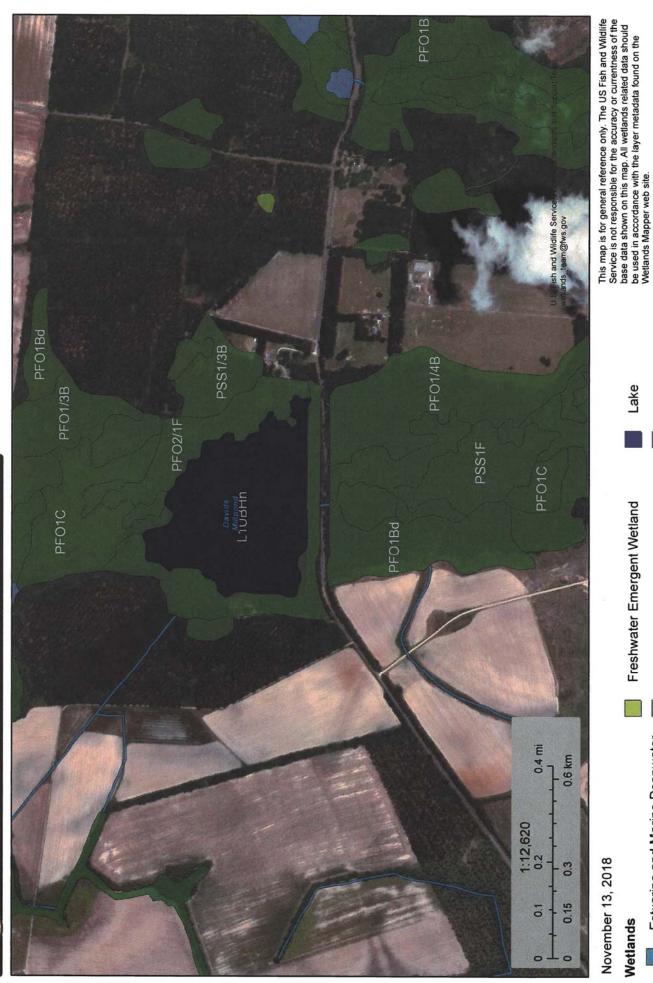
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

authoritative NFHL web services provided by FEMA. This map reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or was exported on 11/9/2018 at 9:53:45 AM and does not The flood hazard information is derived directly from the 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, FIRM panel number, and FIRM effective date. Map images for legend, scale bar, map creation date, community identifiers, unmapped and unmodernized areas cannot be used for regulatory purposes.

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# Davids Pond Road NWI Map



November 13, 2018

# Wetlands

**Estuarine and Marine Deepwater** 

**Estuarine and Marine Wetland** 

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

11.5	DETAILED DAMAGE INSPI	Report Number 35-006-NFA-T14					
of T Fed	ransportation (Title 23, Federal-aid Heral Highway ministration	Sheet1of1					
	ation (Name of Road and Milepost)		FHWA Disaster N				
	4° 38.638' N / -79° 44.896' W 33 David's Pond Rd MM 2.65 4.47 Marlboro Co.				Inspection Date	SC2018-2	
)	so burna si ona na min 2105 min manboro co.				Inspection Bate	9/21/2018	
	scription of Damage:				Federal-aid Route	Number	
Bri	dge collapse due to dam failure. Culvert wash out at one end.	Slope wa	ash out surrou	ınding culvert.		S-33 N	
					State	County	
		SC	Marlboro				
	Cos	st Estim	ate				
	Description of Work to Date	Unit	Unit Price	Quantity	C	cost	
	(Equipment, Labor, and Materials)	Offic	Office	Quartity	Completed	Remaining	
	Unclassified Excavation	CY					
	Borrow Excavation (1-1000 CY)	CY					
_							
epai							
/ R							
enc							
Emergency Repair							
Επ							
	Method	1		Subtotal PE/CE		<u> </u>	
	Local Forces State Forces	Contract		<u>                                     </u>	ergency Repair Total		
	Mobilization (per site)	EA	•	Liii	ergency repair rotal		
	Traffic Control (Road Already Closed)	EA				-	
	Bridge Replacement	SF					
	Unclassified Excavation	CY					
uo	Vegetative Debris Removal	CY					
orati	Asphalt Surface Course - includes Binder (1-100 tons)	Ton					
esta	Raised Pavement Markers	EA					
Permanent Restoration							
aner							
erma							
P.							
	Method				Subtotal		
	Local Forces State Forces	✓ Cor	ıtract		PE/CE <sub>j</sub> Right-of-Way		
					Perm. Repair Totals		
Εn	rironmental Assessment Recommendation				topan rotalo		
	✓ Categorical Exclusion				Estimated Total		
Red	commendation	FHWA En	gineer			Date	
_	☐ Eligible	00				Data	
Cor	ncurrence No	State Engi	ineer	Matt fall	5	Date 9/21/2018	
Cor	ncurrence No	Local Agency Representative Date					