



**US Army Corps  
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Charleston District

# Project Fact Sheet

## Charleston Peninsula Study

Charleston County

**P2#:** 474899

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**Congressional Districts:** Joe Cunningham (SC-1) James Clyburn (SC-6)

**Appropriation:** Investigations  
**Phase:** Feasibility  
**Business Line:** Flood Risk Management

**Authority:** PL 115-123

**Location Description:** The project is located in the City of Charleston, Charleston County, South Carolina, specifically the Peninsula area that is surrounded by the Ashley and Cooper Rivers.

**Project Description:** The Charleston Peninsula Coastal Storm Risk Management (CSRM) Study purpose is to investigate potential structural and nonstructural solution sets in terms of coastal storm risk management. Coastal storm risk management seeks to address coastal storm and flood risk to vulnerable populations, property, ecosystems, and infrastructure along the coast. The Charleston Peninsula, South Carolina has high levels of risk and vulnerability to coastal storms which will be exacerbated by a combination of sea level rise and climate change over the period of analysis.

**Current Status:** As of 27 April 2020 - The Charleston District and City of Charleston executed a Feasibility Cost Sharing Agreement on October 10, 2018. The feasibility study is 100% federally funded under the recent Bipartisan Budget Act of 2018. The draft report is currently released for public and agency reviews. Due to COVID 19 restrictions, the public comment period was been extended from 30 to 60 days ending 19 June 2020. In addition to comment extension, the District will hold virtual office hours the public can call and ask questions. The District will continue to create innovative ways to communicate study findings during the COVID social distancing restrictions. The team will continue to refine the recommended plan through additional modeling and prepare for the Agency Decision Milestone in October 2020.

**Sponsor:** City of Charleston

**Project Manager (PM):** Wes Wilson  
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# Project Fact Sheet

## Charleston Harbor, SC - Post 45

Charleston County, SC

**P2#:** 137921

**Congressional Districts:** Joe Cunningham (SC-1)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Construction	Construction	Navigation

**Authority:** Section 216, P.L. 91-611

**Location Description:** Charleston Harbor is located about midway along South Carolina's Atlantic coastline and supports a vital mission in the defense of our nation as one of the nation's 17 strategic ports for national defense. Latest commercial tonnage as reported by the Waterborne Commerce Statistics Center for Fiscal Year 2018 was 1.8 million Twenty-foot Equivalent container Units (TEUs) of cargo, which ranks it eighth in the nation for container traffic. The major commodity imported and exported is manufactured equipment and machinery. BMW, Mercedes-Benz, Volvo, International Paper, Sonoco, Purdue, Fujifilm, Husqvarna, Honda, Samsung, Bosch, Dollar Tree, GE, Michelin, Continental Tire, Bridgestone, Giti Tire are among the best-known businesses calling on South Carolina Ports, including those along Charleston Harbor. Per U.S. Census Bureau, the 2018 value of waterborne commerce through Charleston was \$72.7 billion. Port operations facilitate 225,000 jobs across South Carolina and \$63.4 billion in economic activity each year.

**Project Description:** The non-federal sponsor, the South Carolina State Ports Authority (SCSPA), requested a locally preferred plan (LPP) with a project depth of -52 feet MLLW containing associated channel widening and turning basins. The recommended plan authorized by Congress is the LPP. The fully funded project cost of the authorized General Navigation Features is \$548,892,000, with average annual benefits from the latest approved evaluation of \$169,627,000; average annual costs of \$26,460,000; and a benefit-to-cost ratio of 6.4 at 2.875%. The federal share of the authorized project costs is approx. \$345,430,000 and the non-federal share is approx. \$203,462,000. The authorized project consists of the following navigation improvements: (1) Deepen the existing entrance channel from a project depth of -47 feet to -54 feet MLLW and extend approximately three miles seaward from the existing location to a depth contour of -54-foot MLLW; (2) Deepen the inner harbor from an existing project depth of -45 feet to -52 feet MLLW from the Entrance Channel to the confluence of the Wando and Cooper Rivers, about two miles up the Wando River to the Wando Welch Terminal and about three miles up to the Cooper River to the Hugh K. Leatherman, Sr. Terminal, and to a project depth of -48 feet MLLW over the five mile reach leading from the Hugh K. Leatherman, Sr. Terminal to the North Charleston container facility; (3) Enlarge the existing turning basins at the Wando Welch, Hugh K. Leatherman, Sr. and North Charleston terminals; and (4) Widen selected channel reaches.

**Current Status:** As of 29 April 2020 - The Project was authorized for construction on 16 Dec 2016 by Section 1401(1)6. of the Water Resources Development Act of 2016 (WRDA 2016), Public Law 114-322. The District received \$17,500,000 in funding in the FY 17 work plan for a new start construction project followed by \$49,000,000 and \$41,415,000 in the FY 18 and FY 19 work plans, respectively. In FY20 the District received \$138,040,000 in funding in the FY20 Appropriations Bill, fully funding the project to completion. The Project Partnership Agreement (PPA), which includes provisions for the SCSPA to advance the Federal share in addition to the non-Federal share for the purpose of constructing the Project, was executed on 19 Jul 2017. The first two construction contracts for deepening the Entrance Channel were awarded on 7 September and 26 October, 2017, respectively, with a total current obligated value of \$325,530,850. Physical dredging construction started on 3 March 2018. The construction contract for deepening the Charleston Lower Harbor to Wando Welch Terminal was awarded on 19 August 2019 with a current obligated value of \$124,460,600. Physical dredging for this construction contract started on 7 October 2019.

**Sponsor:** South Carolina State Ports Authority

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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Charleston District

# Project Fact Sheet

## Lakes Marion and Moultrie, SC

Dorchester County, SC

**P2#:** 113262

**Congressional Districts:** James Clyburn (SC-6)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Construction	Construction	Water Supply

**Authority:** Sec 219, P.L. 102-580 and Sec 502(f)(25), P.L. 106-53 as amended by Sec 108(c)(4) P.L. 106-554 and further amended by Sec 126, P.L. 108-137 and further amended by Sec 5128, P.L. 110-114 and Sec 1157 and Sec 1182 of P.L. 114-322, and Section 1303(b)(2) of P.L. 115-270

**Location Description:** Using Lake Marion as a source, this environmental infrastructure project will provide potable water to satisfy the immediate and future water supply and sewer needs for a large portion of six counties and seven municipalities located in central South Carolina.

**Project Description:** The project includes construction of an 8 MGD (million gallon per day) water treatment plant completed in May 2008, construction of a water tower completed in February 2012, installation of approximately 75 miles of water transmission lines, and installation of a sewer component. Like all environmental infrastructure projects this project cannot be budgeted for by the Administration and in the absence of earmarks has received funding when there are funding pots for environmental infrastructure available during development of a USACE Work Plan. The U.S. Army Corps of Engineers had authority to expend \$60M for planning, engineering, design, and construction assistance. WIIN/WRDA 2016 added Berkeley County to the counties for which assistance can be provided and removed Sumter County. It also increased the total federal funding amount authorized to be appropriated by up to \$50M. WRDA 2018 [Sec. 1303(b)(2)] specifically modified the Federal appropriations limit to \$89,550,000.

**Current Status:** As of 29 April 2020 - Approximately 40 miles of the 75 total miles of water transmission lines have been completed to date. The construction of the Holly Hill to Harleyville Reach transmission line was completed in September 2015. The Dorchester County Reach, for which a construction contract was awarded in November 2017, is approximately 10.6 miles long and will serve the needs of the Volvo Plant development in Berkeley County as well as supporting development in Dorchester County at the Ridgeville Commerce Park. The LMRWA and the Charleston District have modified the Dorchester Reach to bring the water transmission line, up Highway 27 and closer to the Volvo plant. We are also coordinating on designs for the next LMRWA priority, the Winding Woods tank and Reach and the Providence Reach if FY20 Work Plan funds are available, followed by the Orangeburg-Berkeley Reach.

**Sponsor:** Lake Marion Regional Water Agency

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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# Project Fact Sheet

## Inspection of Completed Works, SC

**P2#:** 476739

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**Congressional Districts:** Joe Cunningham (SC-1) Joe Wilson (SC-2) Jeff Duncan (SC-3)  
William Timmons (SC-4) Ralph Norman (SC-5) James Clyburn (SC-6)

**Appropriation:** Operation & Maintenance  
**Phase:** NA  
**Business Line:** Flood & Coastal Storm Damage Reduction

**Authority:** Section 221; P.L. 91-611

**Location Description:** Multiple

**Project Description:** Periodic inspection of federally constructed, locally operated projects in the District. A full report on the project condition is prepared and forwarded to the local sponsor with recommendations for corrective action if required. Proposed inspections are necessary to determine if local interests are maintaining projects in accordance with existing agreements.

**Current Status:** As of 29 April 2020 - Annually complete inspections on federally constructed projects to ensure the NFS is in compliance with the articles of cooperation.

**Sponsor:** NA

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# Project Fact Sheet

## Folly Beach, SC

Charleston County, SC

**P2#:** 113064

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:**

Construction

**Phase:**

Construction

**Business Line:**

Storm Damage Reduction

**Authority:** Section 501 (a), P.L. 99-662 and Section 108, P.L. 102-104

**Location Description:** Folly Beach is located about 12 miles south of Charleston, South Carolina on Folly Island. Folly Island is 6.1 miles in length, of which 5.34 miles are included in the Federal project.

**Project Description:** The plan of improvement provides for protection from a 5-year storm event over a total project reach of 5.34 miles. Periodic nourishment will be required approximately every eight years. A Corps Section 111 study established that 57% of the erosion/damage at Folly Beach resulted from the Federal navigation improvements at the Charleston Harbor jetties, therefore, it is classified as a navigation mitigation project. This resulted in cost sharing of 85% Federal and 15 % non-Federal instead of the usual 65% Federal and 35% non-Federal. The initial nourishment was completed in 1993 and the first periodic nourishment was completed in 2005. The third periodic nourishment commenced in February 2018 and was completed in March 2019 placing 1.4M CY of material at a cost of approximately \$18.0M.

**Current Status:** As of 27 April 2020- The Bipartisan Budget Act of 2018 provided funding for a feasibility study of Folly Beach to determine whether the existing authorized project is the most effective and efficient plan for providing coastal storm damage reduction benefits and resiliency along the Folly Beach shoreline. The feasibility study is 100% federally funded (\$3M) and will be completed by November 2021 (3 years). Due to the challenges of executing the District's normally recurring work and its supplemental work, we are leveraging the Corps' regional capabilities and expertise and the Wilmington District has given mission assignment for completion of this study. The study continues to progress on schedule and the draft report will be released to the public during the summer of 2020. The Charleston District will maintain future construction of this crucial project and will assist the Wilmington District in completion of the feasibility study.

**Sponsor:** City of Folly Beach, SC

**Project Manager (PM):**

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# Project Fact Sheet

## Myrtle Beach, SC

Horry & Georgetown Counties, SC

**P2#:** 113069

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:**

Construction

**Phase:**

Construction

**Business Line:**

Storm Damage Reduction

**Authority:** Section 101, P.L. 101-640

**Location Description:** The project is located along the coast of Horry County, South Carolina, and a small portion of adjacent Georgetown County, South Carolina.

**Project Description:** The project reduces the risk of coastal storm-induced damages to people and property along the Grand Strand. Congress authorized the project in the Water Resources Development Act of 1990. Funding is cost-shared 65% Federal and 35% non-Federal. The project encompasses three separable reaches with different non-Federal sponsors for each reach. During the 50-year period of analysis, there are five 8-year or 10-year periodic nourishments depending on the reach. The timing and amount of material are dependent on the performance of the project versus the frequency and severity of the storms impacting the area. The original nourishment, constructed from 1996 to 1998, placed 6.4 million cubic yards of material at a cost of \$51.3 million over a total project reach of 25.4 miles. Due to coastal storms, the second periodic nourishment was predominately funded from Flood Control & Coastal Emergencies (FCCE) supplemental funding which did not require a cost share by local sponsors. This work was accomplished from June 2017 to July 2019 and placed 3.6 million cubic yards of material at a cost of \$77M.

**Current Status:** As of 27 April 2020 - The District received a request from all three project sponsors to reformulate the project as a new feasibility study. No funding was included in the Presidents Budget for FY20.

**Sponsor:** City of North Myrtle Beach, City of Myrtle Beach, and Horry County, SC

**Project Manager (PM):**

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# Project Fact Sheet

## Edisto Island, SC

Colleton County, SC

**P2#:** 113475

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:**

Construction

**Phase:**

PED

**Business Line:**

Storm Damage Reduction

**Authority:** SC Shores resolution adopted 22 Apr 88 by the Senate Committee

**Location Description:** Edisto Island is a barrier island approximately 4.5 miles in length and located approximately 45 miles southwest of Charleston, South Carolina.

**Project Description:** There are significant problems affecting buildings and infrastructure on Edisto Beach. Homes and businesses are perilously close to structural failure as a result of erosion caused by coastal storms, particularly hurricanes and northeasters. State Highway 174 is the only evacuation route off the island and has been subject to overwash and flooding. If allowed to continue unabated, erosion will continue to threaten other infrastructure such as water and electrical systems. With these problems, there are opportunities to reduce risks to buildings and infrastructure from storms, protect the islands only emergency evacuation route, and to preserve long-term sea turtle nesting and shorebird habitat. The Chief's Report was signed on September 5, 2014.

The recommended plan includes construction of new dune and berm features, and lengthening of existing groins along 4.5 miles of beach. The recommended plan is the National Economic Development (NED) plan. The plan provides for coastal storm damage reduction of buildings and other infrastructure; protects the only evacuation route; protects important sea turtle and shorebird habitat; preserves existing recreational opportunities; and has the full support of the local sponsor and stakeholder agencies.

**Current Status:** As of 29 April 2020 - The Project was authorized for Construction in P.L. 114-322 on 16 December 2016. The Corps and Non-Federal Sponsor (Town of Edisto Beach) executed a Design Agreement to design the Federal project as formulated on 22 February 2018. Edisto Beach was damaged by Hurricane Irma and other declared disaster events from 2014-2017. Therefore, the Colleton County (Edisto Beach) federal project has been selected for funding from the FY18 Supplemental Appropriations Bill in order to construct the project.

The Town of Edisto Beach is interested in adjusting the scope of the authorized project by removing the inlet dune from construction. Additionally, Edisto Beach has lengthened and repaired the beach groins, thereby excluding those from the project. The project delivery team is assessing the proposed changes before execution of the PPA for construction. The desire is to complete the project by spring 2022, but this is dependent upon scope validation and real estate acquisition.

**Sponsor:** Town of Edisto Beach

**Project Manager (PM):**

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# Project Fact Sheet

## Pawleys Island, SC

Georgetown County, SC

**P2#:** 113375

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:**

Construction

**Phase:**

Construction

**Business Line:**

Storm Damage Reduction

**Authority:** P.L. 110-114, Section 1001

**Location Description:** This hurricane and storm damage reduction project is located on Pawleys Island, which is a 3.5-mile long barrier island located approximately 22 miles southwest of Myrtle Beach and 13 miles northeast of Georgetown, South Carolina.

**Project Description:** The authorized Federal project consists of construction of a 6,800 foot long protective sand berm, with two 350 foot tapers (7,500 feet total) along the southern reach of the island to reduce storm damages. The project calls for periodic nourishment over a 50-year period. Periodic nourishment, accomplished via four 9-year renourishment intervals and one 5-year renourishment interval, would optimize net benefits over the 50-year period of analysis. The estimated volume of fill for initial project construction is 666,400 cubic yards. The construction period is estimated to be two months. The Chief's Report was approved on December 19, 2006.

**Current Status:** As of 29 April 2020 - Pawleys Island was damaged by Hurricane Irma and other declared disaster events from 2014-2017. Therefore, the Pawleys Island federal project was selected for funding from the Bipartisan Budget Act (BBA) 2018 Appropriations Bill in order to construct the project. The Town of Pawleys Island decided, following several delays since project authorization, to construct some portion of the federal project themselves. The Project Partnership Agreement was executed 16 January 2020. Non-Federal Sponsor is acquiring remaining easements for approval to complete Real Estate certification so the construction can begin on the Federal portion of the Project.

**Sponsor:** Town of Pawleys Island

**Project Manager (PM):**

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# Project Fact Sheet

## Charleston Harbor, SC

Charleston County, SC

**P2#:** 476887

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:** Operation & Maintenance      **Phase:** NA      **Business Line:** Navigation

**Authority:** Multiple River & Harbor Acts, Beginning 1878, Latest Sec 101 WRDA 96 (P.L. 104-303)

**Location Description:** Charleston Harbor is located on the coast of South Carolina about 15 miles south of the midpoint of the coastline. Charleston Harbor supports a vital mission in the defense of our nation and is one of the nation's 17 strategic ports. It is the 4th busiest container port on the East coast.

**Project Description:** This project consists of maintenance of 38.6 miles of channel, three turning basins, and one anchorage basin. The lower harbor requires dredging every year, the entrance channel every other year, and the upper harbor approximately every 15 - 18 months.

**Current Status:** As of 27 April 2020 - Upper Harbor O&M dredging is currently on going and scheduled to be complete in May 2020. The contract for the ditching of North Cell in Clouter Creek will be awarded in Summer 2020. The District has reevaluated the disposal fees we charge our 3rd party users and anticipate an increase from .51 per CY to \$2.00 per CY. This is due to an increase in cost of maintaining the Clouter Creek disposal areas. It is expected that regional prioritization of limited O&M funds will prevent funding of mosquito abatement activities for the foreseeable future.

**Sponsor:** South Carolina State Ports Authority

**Project Manager (PM):** Wes Wilson      **PM Phone:** (843) 329-8054      **PM Email:** Wesley.B.Wilson@usace.army.mil



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# Project Fact Sheet

## Atlantic Intracoastal Waterway, SC

Entire East Coast of SC

**P2#:** 476894

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**Congressional Districts:** Joe Cunningham (SC-1) Tom Rice (SC-7)

**Appropriation:** Operation & Maintenance  
**Phase:** NA  
**Business Line:** Navigation

**Authority:** Multiple River and Harbor Acts, Beginning 1890, Latest RHA of 1945 (P.L. 14)

**Location Description:** The Atlantic Intracoastal Waterway, a protected navigation route that generally parallels the Atlantic coast between Norfolk, VA, and the St. John's River in Florida.

**Project Description:** The AIWW was constructed in the early 1940's and South Carolina's portion runs a distance of 210 miles and has an authorized depth of 12 feet. Charleston District maintains approximately 90 small to medium-sized disposal areas along the AIWW totaling 2,399 acres. The AIWW is divided into 3 reaches in SC. In order to restore the AIWW to the authorized depth of 12 feet over a period of approximately 3 years, the estimated annual appropriation needed is \$6.0 million. Once we have reached the authorized depth, the estimated annual appropriation needed to maintain the AIWW in SC is approximately \$4.5 million.

**Current Status:** As of 29 April 2020 - The District received \$3.5M in the FY19 Presidents Budget, \$3.5M in the FY19 Work Plan and \$13.4 in Supplemental funding. Supplemental funding was used to award AIWW Dredging Phase 2 from Georgetown to Charleston. The construction of this project is expected to last into summer 2020. The District received \$285k in the FY20 Presidents Budget and \$3.5M in the FY20 Work Plan. Funding received from FY19 Presidents Budget, FY19 Work Plan, and FY20 Work Plan are being used to solicit two dike construction contracts. Those contracts are planned for award in FY20.

**Sponsor:** NA

**Project Manager (PM):** Jeremy Johnson  
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**US Army Corps  
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# Project Fact Sheet

## Cooper River, Charleston Harbor, SC

Berkeley and Charleston Counties, SC

**P2#:** 476967

**Congressional Districts:** Joe Cunningham (SC-1)      James Clyburn (SC-6)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Operation & Maintenance	NA	Navigation

**Authority:** Section 101, P.L. 90-483 modified by P.L. 102-104 and further modified by Section 353, P.L. 104-303

**Location Description:** The project is located in Charleston and Berkeley Counties. All operations and maintenance are in Berkeley County (St. Stephen, SC) about 45 miles north of Charleston, SC.

**Project Description:** The Cooper River Rediversion Project includes operation and maintenance of the St. Stephen Power Plant and associated structures and facilities in accordance with our agreement with the South Carolina Public Service Authority (Santee Cooper). The Project diverts most of the Santee River waters above Pinopolis Dam back into the lower Santee River. Annually, the hydro generating units produce an average of 160,000 MWh of electricity from the diverted Santee River waters. Also included in the project authorization was the design and construction of a fishlift. Since the fishlift opened in 1987, the structure has passed about 10 million herring, 7 million shad, and tens of thousands of other types of fish.

The Project was authorized, constructed and is operated in order to reduce siltation in the Charleston Harbor. Prior to rediversion, costs for the operation and maintenance of the Charleston Harbor were threatening the continued viability of the port. The Project has reduced sedimentation rates in Charleston Harbor from 10 million cubic yards to 2 million cubic yards annually, resulting in a savings of \$36 million per year in annual dredging costs.

**Current Status:** As of 29 April 2020 - Funds are being used to operate the power plant, perform power plant maintenance and perform maintenance of non-recreational buildings, grounds, utilities and the fish lift.

Routine Operation and Maintenance: \$4,034,000 to maintain and operate the power plant and fish lift, to manage natural resources, to perform condition and operational studies/activities and to comply with water quality, State and Federal environmental and reliability regulations. Impacts of not funding: Increased shoaling in Charleston Harbor which is downstream of the Project and impacts to effectively passing fish through the fish lift for the upcoming spawning season.

Non-Routine Maintenance funds have not been allocated.

**Sponsor:** NA

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# Project Fact Sheet

## Project Condition Surveys, SC

**P2#:** 476957

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**Congressional Districts:** Joe Cunningham (SC-1) Tom Rice (SC-7)

**Appropriation:** Operation & Maintenance  
**Phase:** NA  
**Business Line:** Navigation

**Authority:** Section 7, Rivers and Harbors Act of 1899

**Location** Multiple  
**Description:**

**Project Description:** Perform condition surveys of existing navigation channels to determine the depth so we can provide channel conditions to waterway users.

**Current Status:** As of 29 April 2020 - Funds are being utilized to perform surveys on navigation projects which were not funded for operations and maintenance in the President's budget.

**Sponsor:** NA

**Project Manager (PM):** Jeremy Johnson  
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# Project Fact Sheet

## Town Creek, SC

Charleston County, SC

**P2#:** 111495

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**Congressional Districts:** Joe Cunningham (SC-1)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Operation & Maintenance	NA	Navigation

**Authority:** Section 107, P.L. 86-645

**Location Description:** Town Creek is located one mile southwest of McClellanville, SC. The Town of McClellanville, located on Jeremy Creek, is home port to a large fleet of shrimp boats. Today, the principal economic activity is commercial fishing.

**Project Description:** The project provides an inner channel ten feet deep by 80 feet wide from the AIWW to the mouth of Five Fathom Creek, a distance of 6.2 miles and also includes an entrance channel twelve feet deep by 100 feet wide across the ocean bar, a distance of 4.0 miles. This channel provides access to the open ocean for 30 - 35 commercial shrimp vessels that operate out of the area. The Entrance channel was last dredged in June 2016.

**Current Status:** As of 22 April 2020 - There are no funds in the FY20 Presidents Budget or Work Plan.

**Sponsor:** Town of McClellanville

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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# Project Fact Sheet

## Georgetown Harbor, SC

Georgetown County, SC

**P2#:** 111484

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:**

Operation & Maintenance

**Phase:**

NA

**Business Line:**

Navigation

**Authority:** Multiple River and Harbor Acts. Beginning 1886, Latest RHA of 1948 (P.L. 858)

**Location Description:** The project is located on the coast of South Carolina at the entrance of Winyah Bay.

**Project Description:** Consists of maintenance of 19 miles of channel and one turning basin and includes three disposal areas for a total of 550 acres. The Port of Georgetown is largely a break-bulk facility - the shipping of goods that won't economically or physically fit in standard 20-foot-long containers, such as coal or cement. Sampit River and Upper Winyah Bay require dredging yearly and the entrance channel every other year. The three upland disposal areas used for this project require ongoing annual maintenance and periodic dike raising. The estimated annual appropriations needed are approximately \$5M - \$6M per year. The inside channel was last dredged in August 2008. The entrance channel was last dredged in February 2006.

**Current Status:** As of 29 April 2020 - Georgetown County has communicated to the District that it is examining alternative uses for the sales tax revenue it intended to contribute to the project depth recovery effort. The County and District have had preliminary discussions about the County contributing these funds for maintenance dredging of the bypass channel that services the Historic Downtown Georgetown Harborwalk area. Ultimately, the choice of whether to proceed with contributed funds is up to the County and the District will support them if requested.

**Sponsor:** South Carolina State Ports Authority

**Project Manager (PM):**

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# Project Fact Sheet

## Murrells Inlet, SC

Georgetown County, SC

**P2#:** 111488

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:** Operation & Maintenance  
**Phase:** NA  
**Business Line:** Navigation

**Authority:** P.L. 89-298

**Location Description:** The project is located on the coast of South Carolina, in Georgetown County, about 13 miles southwest of the City of Myrtle Beach, SC.

**Project Description:** The project consists of maintenance of 0.6 miles of entrance channel, 3 miles of inner channel, one turning basin, one deposition basin, and two stone jetties. In 2017, non-federal funding and a contributed funds agreement were used to place dredged sand from the channel on portions of Garden City beach.

**Current Status:** As of 29 April 2020 - We have had several reports about beach erosion caused by the Murrells Inlet north jetty at high tide. Several team members inspected the area and determined there does not appear to be beach erosion caused by the North Jetty being underwater at high tide. The Murrells Inlet north jetty has a low weir function that is designed to be overtopped at high tide. The District met with Georgetown County to discuss this issue and provided options of studying the erosion issue or for the County to apply for a permit to build additional groins on Garden City Beach. It is up to the County to decide the appropriate path forward and the District will support them if requested.

**Sponsor:** Georgetown County

**Project Manager (PM):** Jeremy Johnson  
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**US Army Corps  
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# Project Fact Sheet

## Folly River, SC

Charleston County, SC

**P2#:** 111483

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:** Operation & Maintenance  
**Phase:** NA  
**Business Line:** Navigation

**Authority:** Section 107, P.L. 86-645

**Location Description:** The project begins in Folly River and Folly Creek north of the Town of Folly Beach and follows a southwesterly course through Stono Inlet into the Atlantic Ocean.

**Project Description:** This project is for maintenance of 7.0 miles of channel. This channel provides access to the open ocean for commercial shrimp vessels that operate out of the area. The estimated annual appropriations needed is approximately \$500,000 except every other year when the inside channel needs to be dredged the requirement is approximately \$1,500,000. Because of meandering sandbars and no jetties this is a project that requires dredging annually in the entrance channel.

**Current Status:** As of 27 April 2020 - The project received \$1,500,000 in FY20 Corps work plan funds to dredge the Folly River Entrance Channel. This beneficial use project will place 60,000 cubic yards from the Folly River Entrance Channel in the nearshore area of the Folly Beach Shore Protection Project. We will use the Corps hopper dredge Murden to execute the construction of this project in late spring/early summer. Additional environmental compliance needs to be completed prior to the dredging.

**Sponsor:** City of Folly Beach

**Project Manager (PM):** Wes Wilson  
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# Project Fact Sheet

## CAP 206 - Horry County Crabtree Swamp

Horry County

P2#: 457355

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:** Construction - Continuing Authority  
**Phase:** Feasibility  
**Business Line:** Environmental Restoration

**Authority:**

**Location** Crabtree Swamp, City of Conway, Horry County, SC.

**Description:**

**Project Description:** Horry County had initially expressed interest in restoring Crabtree Swamp and the adjacent flood plain to a more natural condition. Over the years, channelization and surrounding development have negatively impacted the watershed and its adjacent flood plain. The Corps completed a federal interest determination which recommended that the project move forward to the feasibility phase based on the anticipated quantity of ecosystem restored relative to costs, which is both favorable and in the federal interest. This study will be accomplished under CAP 206 Aquatic Ecosystem Restoration authority.

**Current Status:** As of 29 April 2020 - Feasibility cost share agreement was signed with Horry County April 2019. The Project Delivery Team is consulting experts within USACE and other state and federal agencies to identify the most beneficial restoration measures for Crabtree Swamp. The team will evaluate measures considering cost, environmental benefit, hydrologic impacts, and real estate needs. The draft feasibility report will undergo internal and external reviews during the spring and summer of 2020.

**Sponsor:** Horry County

**Project Manager (PM):** Chrissa Waite  
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# Project Fact Sheet

## Charleston Harbor Sec 204 CAP

Charleston, SC

**P2#:** 450947

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:** Construction - Continuing Authority      **Phase:** NA      **Business Line:** NA

**Authority:** Section 22, P.L. 93-251

**Location Description:** Charleston Harbor is located about midway along South Carolina's Atlantic coastline.

**Project Description:** The goal of the project is to place approximately 660,000 cubic yards of sandy material, dredged from the Lower Harbor as part of the Post 45 deepening on the remnants of Crab Bank in order to create approximately 28 acres of Brown Pelican nesting habitat. The actual cost of the work has decreased from the estimated \$3.98 million to approximately \$377,000.

**Current Status:** As of 22 April 2020 - The Charleston District received approval from SAD of the Feasibility Report in May 2018 and the Project Partnership Agreement for the design and construction was executed in July 2018. The District, SCDNR, Town of Mt. Pleasant, and other stakeholders have worked collaboratively to make revisions to the design that maintain the bird nesting habitat quality and quantity, do not increase costs, and address concerns of some stakeholders. Sufficient Federal and non-Federal funds are available, material will be placed on Crab Bank during construction of the Post 45 Lower Harbor to Wando Welch Terminal (WWT) Construction Contract. The District awarded the option on the Lower Harbor Contract for Crab Bank on 6 February 2020.

**Sponsor:** South Carolina Department of Natural Resources

**Project Manager (PM):** Jeff Livasy      **PM Phone:** (843) 329-8062      **PM Email:** Jeff.J.Livasy@usace.army.mil



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# Project Fact Sheet

## PAS - Turkey Creek, Hanahan

Charleston County, SC

**P2#:** 473242

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:**

Investigations

**Phase:**

NA

**Business Line:**

Watershed Planning

**Authority:** Section 22, P.L. 93-251

**Location**

**Description:**

The Turkey Creek watershed is located in the southern coastal plains region of South Carolina within the cities of Hanahan and North Charleston and overlaps in Berkeley and Charleston counties. The Turkey Creek watershed discharges downstream of the Goose Creek Reservoir into Goose Creek, which in turn is tributary to the Cooper River. Turkey Creek has a drainage area of about 4 square miles and consists of combination of channelized, relocated and meandering tidal creeks. The watershed is located in a moderately urbanized area consisting primarily of single family residential dwellings in the lower reaches and mobile homes and commercial establishments in the upper portion of the watershed. Flooding has impacted roughly 50 homes with damages to both structure and contents over the last 3-5 years.

**Project**

**Description:**

The study investigates sources of flooding within the Turkey Creek watershed to determine whether flooding is primarily caused by tide or surface water runoff during rain events. The project delivery team will suggest, at a conceptual level, both structural and/or non-structural solutions to reduce flooding impacts. The City of Hanahan can use this information to determine a plan for addressing flooding concerns and potential future studies.

**Current**

**Status:**

As of 29 April 2020 - A PAS agreement was executed April 20, 2018. A final report was delivered to the City of Hanahan in April 2020.

**Sponsor:** City of Hanahan

**Project Manager (PM):**

Chrissa Waite

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# Project Fact Sheet

## PAS - Water Use and Demand Study

South Carolina

**P2#:** 457159

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**Congressional Districts:** Joe Cunningham (SC-1)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Investigations	NA	NA

**Authority:** Section 22, P.L. 93-251

**Location Description:** Water Basins in the State of South Carolina.

**Project Description:** Water use and demand forecasts for the next 50 years will be an integral part of formulating comprehensive water policy and updating the State Water Plan. An agreement dated May 25, 2016 established a partnership between the Corps, USGS, and SC DNR for a comprehensive water use and demand study for the Savannah River water basin. The follow-on study, agreement dated May 23, 2018, entails developing an overall scope, focusing on stakeholder input, to complete an update to the State Water Plan and will also continue the partnership with USGS to develop groundwater modeling for the State.

**Current Status:** As of 29 April 2020 - The non-federal sponsor, South Carolina Department of Natural Resources (SCDNR) has led the effort to convene stakeholders in developing methods for water use forecasting, which will aid the state in anticipating water use needs in coming years. SCDNR has teamed with Clemson University and USGS to perform modeling. USACE has provided assistance with workshop planning, stakeholder engagement and technical review of water forecasting methodologies. The final phase of the project, piloting water use projections in the Edisto River basin, will be complete in spring of 2020.

**Sponsor:** South Carolina Department of Natural Resources

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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# Project Fact Sheet

## FUDS - Donaldson AFB, SC

Greenville County, SC

**P2#:** 147998

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**Congressional Districts:** William Timmons (SC-4)

**Appropriation:** Formerly Used Defense Sites  
**Phase:** Various  
**Business Line:** NA

**Authority:** Sec 211, Superfund Amendments and Reauthorization Act of 1986

**Location Description:** The Former Donaldson Air Force Base is located in Greenville, South Carolina at the current Donaldson Industrial Center. The site was used as an operational air base from 1942 until January 24, 1964. After WWII, the base was closed and later reopened as the Global Headquarters of the Military Air Transport Command (MATC) and renamed Donaldson Air Force Base in 1951. The property was transferred to the City and County of Greenville, South Carolina in 1964. It is currently owned 50/50 by the city and county, with some private industrial ownership of the peripheral areas.

**Project Description:** The property contains many Areas of Concern, sites and sub-sites that are actively being addressed, including landfills, aircraft wash sites, underground storage tanks and fuel fields.

**Current Status:** As of 29 April 2020 - A Remedial Action (RA) contract was awarded in September 2014 and consists of adding soil to the landfill cover and groundwater monitoring. The RA was initiated in February 2016 with the abandonment and sampling of several monitoring wells. Field work associated with the landfill cover was completed in July 2019. An additional project (06) deals with a former disposal area where metals and hydrocarbons have been detected. USACE is currently conducting additional field work to address SC DHEC concerns and anticipates completing the Remedial Investigation (RI) report in FY20. Subsequent phases (Feasibility Study, Proposed Plan, Decision Document) will be conducted upon completion of the RI report. A contract was awarded in FY19 to conduct a corrective action for several underground storage tanks (UST) sites. Long term monitoring (LTM) is currently being conducted for several other UST sites. FUDS Program Management for this region (GA, SC and NC) is supported through Savannah District. Support to specific FUDS projects in SC is currently supported through Wilmington District.

**Sponsor:** NA

**Project Manager (PM):** Robert Sorenson  
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# Project Fact Sheet

## FUDS - Conway Bombing and Gunnery Range, SC

Horry County, SC

**P2#:** 148049

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**Congressional Districts:** Tom Rice (SC-7)

**Appropriation:** Formerly Used Defense Sites  
**Phase:** Investigation/Feasib  
**Business Line:** NA

**Authority:** Sec 211, Superfund Amendments and Reauthorization Act of 1986

**Location Description:** The former Conway Bombing & Gunnery Range (BGR) is located near the City of Conway, SC in Horry County. This 55,854 acre site was used by the Army Air Corps and Air Force for air-to-ground gunnery and bombing training during World War II. Conway BGR contained Ranges II, III, VI, VII, X, a moving target range, a turret range, a machine gun range and a rifle range.

**Project Description:** The former Conway BGR was utilized for training beginning in 1942. Conway BGR was declared surplus by February 1948. Exiting leases for approximately 36,600 acres were terminated and the remaining 19,200 acres were sold. Several of these target ranges are identified to either contain ordnance related items or to have a high likelihood of ordnance related items. This area is rapidly developing and many developers and landowners have initiated and/or completed clean-up actions on their own initiative.

**Current Status:** As of 29 April 2020 - Remedial Investigation (RI) field work began in August 2015 and was completed in May 2016. The Feasibility Study (FS) is anticipated to be completed in FY20 and the Decision Documents FY21. The Remedial Action (RA), which includes Land Use Controls (LUCs) consisting of an educational awareness program (installation of UXO information signs and an information kiosk), was implemented in March 2018 for Range VII. FUDS Program Management for this region (GA, SC and NC) is supported through Savannah District. Support to specific FUDS projects in SC is currently supported through Wilmington District.

**Sponsor:** NA

**Project Manager (PM):** Robert Sorenson  
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# Project Fact Sheet

## FUDS - Camp Croft, SC

Spartanburg County, SC

**P2#:** 157097

**Congressional Districts:** William Timmons (SC-4)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Formerly Used Defense Sites	Investigation	NA

**Authority:** Sec 211, Superfund Amendments and Reauthorization Act of 1986

**Location Description:** The Former Camp Croft army training facility consisted of approximately 19,000 acres and is located approximately 5 miles southeast of Spartanburg, SC.

**Project Description:** This project consists of a formerly-used World War II Army Infantry Replacement Training Center, which consisted of two general areas: a series of firing ranges and a troop housing area with attached administrative headquarters. The current land usage is 7,088 acres for Camp Croft State Park, 4,936 acres for farming, 256 acres for private industry and 6,764 acres for residential development. Thirty-four (34) live ordnance items and 722 pounds of ordnance scrap were removed in the Ordnance Operable Unit 3 (OOU3) area.

Since 1995, more than \$15 million has been appropriated for the evaluation and restoration of the former Camp Croft site. A Restoration Advisory Board (RAB) was established in 1995 and currently meets quarterly. An Engineering Evaluation/Cost Analysis (EE/CA) was completed in January 1996, identifying 9 OOU's, and a second EE/CA was completed in January 1998 which identified 19 additional sectors.

**Current Status:** As of 24 April 2020 - The remedial investigation (RI) field work was completed in March 2015. The Remedial Investigation (RI) report was finalized in October 2014. The Feasibility Study (FS) was finalized in October 2015. The proposed plan was presented at a public meeting in March 2016. The Decision Documents (DD) for Projects 03 and 05 were approved in January 2019 and September 2018 respectively. The DD for Project 07 was approved in September 2019. The remaining DD are anticipated to be approved by the end of FY20. A contract was awarded in March 2020 to implement the remedy for Project 03 and 05 (Public Education). The remedy is anticipated to be implemented in FY20 and a contract is planned to be awarded in FY20 to implement the remedial action for Project 07. The remedy to be implemented for Project 07 is Surface and Subsurface Munitions Removal and Land Use Controls. FUDS Program Management for this region (GA, SC and NC) is supported through Savannah District. Support to specific FUDS projects in SC is currently supported through Wilmington District.

**Sponsor:** NA

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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# Project Fact Sheet

## FUDS - Stark General Hospital

Charleston, SC

**P2#:** 405349

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**Congressional Districts:** Joe Cunningham (SC-1)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
FUDS	NA	NA

**Authority:**

**Location Description:** The former Stark Army Hospital was located in North Charleston, South Carolina, approximately 6.25 miles northwest of Charleston, SC.

**Project Description:** This Stark Army Hospital was an active hospital and rehabilitation center during World War II. The installation was operational from 1941 until 1945. In October 1945, the installation was turned over to the Charleston County Board of Control for local use. The area adjacent to buildings T-615N and T-615S is now utilized by commercial and industrial development. The site is located on the north shore of the Ashley River. In 1995, two heating oil underground storage tanks (USTs) 615N and 615S were removed from the site. An investigation found no petroleum hydrocarbons in the groundwater exceeding regulatory levels. However, the presence of chlorinated volatile organic compounds (trichloroethylene - TCE) was identified above screening levels.

**Current Status:** The Remedial Investigation (RI) field work was completed in March 2015. USACE is conducting additional field work for the RI to address comments from SCDHEC on the RI report. USACE anticipates the RI report will be completed in FY20. Subsequent phases (Feasibility Study, Proposed Plan, Decision Document) will be conducted upon completion of the RI report.

**Sponsor:** NA

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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# Project Fact Sheet

## Lumber River, NC

NC

**P2#:** 488285

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**Congressional Districts:** Dan Bishop (NC-9)

**Appropriation:**

Investigations

**Phase:**

Feasibility

**Business Line:**

Storm Damage Reduction

**Authority:**

Senate Committee on Public Works Resolution adopted October 15, 1968; House Committee on Public Works Resolution adopted December 11, 1969

**Location  
Description:**

The Lumber River Basin is a sub-basin of the Pee Dee River Basin. It begins in the Sandhills of North Carolina and extends southeast to the Coastal Plain before reaching the city of Wilmington and draining into the Atlantic Ocean. The Lumber River flows through Lumberton, NC and under Interstate 95. The river crosses the South Carolina border near Fair bluff, NC. Just past the border, the Lumber River joins the Little Pee Dee River which flows to the Pee Dee River and drains to Winyah Bay. The basin covers approximately 3,300 square miles. The basin encompasses all or part of 10 counties.

**Project  
Description:**

The communities of the Lumberton and Fair Bluff, NC were severely impacted by record flooding from Hurricane Florence in September 2018. This flooding caused tremendous damage to residential and commercial buildings as well as flooding many roads, including the closure of a 60 mile stretch of Interstate 95. The State of North Carolina reported 42 fatalities due to Hurricane Matthew, this Feasibility Study will pursue flood damage reduction measures to reduce risks from future flooding.

**Current  
Status:**

As of 29 April 2020 - The Feasibility Cost Sharing Agreement was signed with the State of North Carolina on 8 April 2020 for the Lumber River Basin Feasibility Study. This Feasibility Study will complete in 36 months with a budget of \$3 million dollars with the first Alternatives Milestone to be schedule for Mid-July 2020.

**Sponsor:**

State of North Carolina - Department of Environmental Quality

**Project Manager (PM):**

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# Project Fact Sheet

## Sawmill Branch Section 408 Permit Application for Berlin G. Myers Parkway Phase III

Dorchester, Berkeley and Charleston Counties, SC

Charleston District

**P2#:** 111485-1

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**Congressional Districts:** Joe Cunningham (SC-1)

**Appropriation:**

SFO

**Phase:**

NA

**Business Line:**

NA

**Authority:**

**Location**

Located in Dorchester, Berkeley and Charleston Counties in the vicinity of Summerville, SC.

**Description:**

**Project**

**Description:**

A Section 205 Flood Control Project was completed in April 1971. It provided for excavating a channel of varying sizes ranging from a maximum of 35 feet to 15 feet up Sawmill Branch from a point above its confluence with the Ashley River about 1,400 feet below the SC Route 642 crossing. The project extends through Summerville, SC to a point 9.0 miles from its beginning. The SCDOT applied for a Section 404 permit to construct the Berlin G. Myers Parkway Phase III project parallel to portions of the Sawmill Branch Flood Control project. The current proposal would physically impact the Federal project and the District is assessing the hydrologic and hydraulic numerical models to determine whether the proposed roadway and channel modifications would impair the usefulness of the Federal project that may impact our project both functionally and physically. Since the proposed Parkway may impact the Federal Flood Control Project, a Section 408 report must be completed to determine if the impacts are significant and if the Corps will allow the project to be impacted. A Section 404 permit cannot be granted until the Section 408 report is approved.

**Current**

**Status:**

As of 29 April 2020 - Engaged with SCDOT in order to process both the Section 404 permit and the Section 408 report. Additional information came out of SCDOT's public meeting process about flooding impacts to individual properties and the Corps is asking for additional data to determine the extent of flooding and if impacts need to be mitigated.

**Sponsor:**

SC Department of Transportation

**Project Manager (PM):**

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# Project Fact Sheet

## PAS - Planning Assistance To States Coordination

**P2#:** 114010

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<b>Congressional Districts:</b>	Joe Cunningham (SC-1)	Joe Wilson (SC-2)	Jeff Duncan (SC-3)
	William Timmons (SC-4)	Ralph Norman (SC-5)	James Clyburn (SC-6)

<b>Appropriation:</b>	<b>Phase:</b>	<b>Business Line:</b>
Investigations	Coordination	Watershed Planning

**Authority:** Section 22, P.L. 93-251

**Location** NA  
**Description:**

**Project Description:** This program permits us to use our technical planning expertise to supplement and support state and Indian tribe efforts to undertake broad, statewide, comprehensive water resources planning. PAS studies are cost shared 50% Federal and 50% local. The non-Federal share may be provided as cash or a mix of cash and in-kind services or 100% work in-kind. Typical problems and opportunities studies under this program are related to flood damage reduction, water supply, water conservation, water quality, hydropower, erosion, navigation, and related environmental resources.

**Current Status:** As of 29 April 2020 - Coordination efforts are ongoing to manage the program.

**Sponsor:** NA

<b>Project Manager (PM):</b>	<b>PM Phone:</b>	<b>PM Email:</b>
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**US Army Corps  
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# Project Fact Sheet

## FPMS - Flood Plain Management Program

**P2#:** 114026

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**Congressional Districts:** Joe Cunningham (SC-1)      Joe Wilson (SC-2)      Jeff Duncan (SC-3)  
 William Timmons (SC-4)      Ralph Norman (SC-5)      James Clyburn (SC-6)

**Appropriation:** Investigations      **Phase:** NA      **Business Line:** NA

**Authority:** Section 206, P.L. 86-645

**Location Description:** NA

**Project Description:** This program permits us to use our technical expertise in flood plain management to help others outside the Corps. Upon request, we will furnish states, counties, cities, Indian tribes, and certain Federal agencies with flood hazard information, technical services, and planning guidance without charge. The Program also conducts special studies to improve methods and procedures for flood damage prevention and abatement, and provides guides and pamphlets on topics such as flood proofing, flood plain regulations and other flood plain management topics. Assistance includes flood hazard evaluations, discharge, flood information.

**Current Status:** This program is not listed by individual state or project in the President's budget only by total program needs. Funds will be utilized to provide a broad range of information, technical assistance and planning guidance related to floodplain management for federal, state, local, private, non-profit interests. Information includes guides, pamphlets and supporting studies. Assistance includes flood hazard evaluations, discharge, flood information. FPMS funds are used to coordinate with customers for other studies, such as special studies or Hurricane Evacuation Studies.

**Sponsor:** NA

**Project Manager (PM):** Mary Creese      **PM Phone:** (843) 329-8031      **PM Email:** Mary.Creese@usace.army.mil



US Army Corps  
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Charleston District

# Project Fact Sheet

## CAP - Continuing Authorities Program

**P2#:** CAP-0001

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**Congressional Districts:** Joe Cunningham (SC-1) Joe Wilson (SC-2) Jeff Duncan (SC-3)  
William Timmons (SC-4) Ralph Norman (SC-5) James Clyburn (SC-6)

**Appropriation:** Construction - Continuing Authority  
**Phase:** NA  
**Business Line:** NA

**Authority:** Each section has its own authority.

**Location Description:** NA

**Project Description:** The Continuing Authorities Program (CAP) is a group of 10 legislative authorities under which the Secretary of the Army, acting through the Chief of Engineers, is authorized to plan, design and construct certain types of water resources and environmental improvements without specific Congressional Authorization.

The purpose of the CAP is to plan and implement projects of limited size, cost, scope, and complexity. Although there is no specific minimum project size or cost, very small projects are not pursued under CAP as they should be implemented by other Federal or non-Federal entities, and large or complex problems are pursued under the specifically authorized programs. This program is cost shared between the Federal Government and the non-federal sponsor.

**Current Status:** As of 15 April 2020 - The Charleston District to meets with potential sponsors to determine federal interest for a variety of potential CAP projects.

**Sponsor:** NA

**Project Manager (PM):** Mary Creese  
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