



US Army Corps  
of Engineers  
Charleston District

# Project Fact Sheet

## Atlantic Intracoastal Waterway, SC

Entire East Coast of SC

P2#: 476894

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**Congressional Districts:** Nancy Mace (SC-01) Tom Rice (SC-7)

**Appropriation:** Operation and Maintenance

**Business Line:** Navigation

**Phase:** NA

**Authority** Multiple River and Harbor Acts beginning in 1890. Latest RHA of 1945 (P.L. 14)

**Location** 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.

**Description** The AIWW was constructed in the early 1940's and South Carolina's portion runs 210 miles and has an authorized depth of 12 feet. Charleston District maintains approximately 90 small to medium- sized disposal areas along the AIWW. 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.

**Status** As of 7 November 2022 - The District received \$12.6M from the Infrastructure Investment and Jobs Act and \$6.8M in FY22 appropriations. Funding received has been used to award a dike raising contract on the AIWW between Charleston and Georgetown and a dredging contract on the AIWW between Charleston and Port Royal. The District has requested \$4.5M in FY23 appropriations and additional funding in the FY23 Work Plan which will be used for additional placement area maintenance work to increase capacity for future AIWW dredging work.

**Sponsor:** N/A

### Project Manager

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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:

Nancy Mace (SC-01)      Joe Wilson (SC-2)      Jeff Duncan (SC-3)  
William Timmons (SC-4)      Ralph Norman (SC-5)      James Clyburn (SC-6)  
Tom Rice (SC-07)

**Appropriation:** Construction - Continuing Authority

**Phase:** N/A

**Business Line:** N/A

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

**Location** N/A

**Description** The Continuing Authorities Program (CAP) is 10 individual sections of public law that Congress has granted continuing authority to the Secretary of the Army through the Chief of Engineers to conduct feasibility investigations and construction of certain water resource or environmental improvement. This has the effect of allowing the Secretary, via the Corp of Engineers, to complete projects of limited scope and cost that conform to the text of the individual authorities without the time delay and political process of awaiting specific congressional approval. 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. CAP projects are cost shared between the Federal Government and a non-federal sponsor.

**Status** The Charleston District meets with potential sponsors to determine federal interest for a variety of potential CAP projects.

**Sponsor** N/A

### Project Manager (PM):

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US Army Corps  
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Charleston District

# Project Fact Sheet

## Charleston Harbor, SC

Charleston County, SC

P2#: 476887

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Operation & Maintenance

**Phase:** N/A

**Business Line:** Navigation

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

**Location** 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.

**Description** This project consists of maintaining 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.

**Status** As of 10 November 2022 - The District received funding in FY23 to award operation and maintenance contracts to dredge the Charleston Harbor Entrance Channel, Lower Harbor and Upper Harbor. Dredging of the Entrance Channel will occur between late Winter and early Spring. The operation and maintenance contract awards for Lower and Upper Harbor will take place in quarter 4 of FY23. The District received funding in FY23 to award the first round of ditching in the Clouter Creek Middle and Highway cells. Due to the completion of Post 45, 3<sup>rd</sup> party users of Clouter Creek will be allowed to utilize the South Cell with no capacity restrictions in 2023.

**Sponsor** South Carolina Ports Authority

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## Charleston Harbor, SC - Post 45

Charleston County, SC

P2#: 137921

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Construction

**Phase:** Construction

**Business Line:** Navigation

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

**Location** 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 2020 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. Port operations facilitate 225,000 jobs across South Carolina and \$63.4 billion in economic activity each year.

**Description** The non-federal sponsor, the South Carolina Ports Authority (SCPA), 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: (1) Deepens 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) Deepens 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) Enlarges the existing turning basins at the Wando Welch, Hugh K. Leatherman, Sr. and North Charleston terminals; and (4) Widens selected channel reaches.

**Status** As of 30 September 2022 - 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 SCPA 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. An amendment to the PPA was signed on 19 Feb 2020 stating that funds received in the FY20 Appropriations Bill will be used to fully fund the project to completion.

The first two construction contracts for deepening the Entrance Channel were awarded on 7 September and 26 October 2017, and have a total current obligated value of \$327,705,846. Physical dredging construction started in March 2018, is currently complete for both of these contracts; and contract close-outs are underway. The construction contract for deepening the Charleston Lower Harbor to Wando Welch Terminal was awarded on 20 August 2019 with physical dredging beginning in October 2019, and is now complete. Contract close-out is underway and has a current obligated value of \$112,930,842. The construction contract for deepening the Charleston Lower Harbor to Hugh Leatherman Terminal was awarded on 9 September 2020, and has a current obligated value of \$40,801,373. Physical dredging for this construction contract started in October 2020, and was completed ahead of schedule in January 2022. Contract close-out is underway. The construction contract for deepening the Charleston Upper Harbor to North Charleston Terminal was awarded on 17 Sep 2020, and has a current obligated value of \$28,575,637. Physical dredging for this construction contract began in December 2020 and is ongoing. Completion of all Post 45 dredging is expected in December 2022. Five years of post-construction environmental monitoring will follow.

**Sponsor:** South Carolina Ports Authority

**Project Manager**

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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:** Nancy Mace (SC-01) James Clyburn (SC-6)

**Appropriation:** Investigations

**Phase:** Feasibility

**Business Line:** Coastal Storm Risk Management

**Authority:** PL 115-123

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

**Project** The Charleston Peninsula Coastal Storm Risk Management (CSRMS) 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.

**Status** As of 10 November 22 – The Record of Decision was signed on 24 October 22 by the ASA (CW). The recommended plan has a total project cost of 1.132B and benefit cost ratio of 10.8. Funding is required to enter into a design agreement with the City of Charleston and begin preconstruction, engineering and design phase.

**Sponsor:** City of Charleston

**Project Manager**

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Charleston District

# Project Fact Sheet

## Cooper River, Charleston Harbor, SC

Berkeley and Charleston Counties, SC

P2#: 476967

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**Congressional Districts:** Nancy Mace (SC-01) James Clyburn (SC-6)

**Appropriation:** Operation & Maintenance

**Phase:** N/A

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

**Project** 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 opening in 1987, the fishlift 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 to reduce siltation in the Charleston Harbor. Prior to this rediversion, operation and maintenance costs to dredge Charleston Harbor were threatening the continued viability of the port. The Project has reduced sedimentation in Charleston Harbor from 10 million cubic yards to 2 million cubic yards annually, resulting in a \$36 million annual reduction of dredging costs.

**Status** As of 16 November 2022- Funds are being used to operate the power plant, perform power plant maintenance, and perform maintenance of non-recreational buildings, grounds, utilities and the fishlift. Routine Operation and Maintenance: \$4.575M in FY23 appropriations 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. FY23 Work Plan funding, if received, would be used to perform needed, non-routine maintenance. 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.

**Sponsor:** NA

**Project Manager**

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US Army Corps  
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# Project Fact Sheet

Edisto Beach, SC

Colleton County, SC

P2#: 113475

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Construction

**Phase:** Design

**Business Line:** Coastal Storm Risk Management

**Authority:** P.L. 114-322 Section 1401

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

**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. There are opportunities to reduce risks to buildings and infrastructure from storms, protect the island's 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.

**Status** As of November 2022 - The Bipartisan Budget Act of 2018 provided funding for the initial construction of the federal project. A Validation Report was approved and signed May 2022. The revised project removes two inlet reaches. The sponsor has secured their cost share. The team is targeting early 2023 for a PPA for Construction, after which time PED will be initiated. Construction is targeted for winter 2025.

**Sponsor** Town of Edisto Beach

**Project Manager**

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US Army Corps  
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# Project Fact Sheet

Folly Beach, SC

Charleston County, SC

P2#: 113064

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Construction

**Phase:** Construction

**Business Line:** Coastal Storm Risk Management

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

**Location** 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** 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.

**Status** As of 10 November 2022 - The District received funding to complete project information reports due to the impacts from Hurricane Ian. The analysis is scheduled to be complete in late December/early January and will provide a recommendation on whether the project qualifies for emergency rehabilitation funding.

**Sponsor** City of Folly Beach, SC

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

Folly River, SC

Charleston County, SC

P2#: 111483

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Operation & Maintenance

**Phase:** N/A

**Business Line:** Navigation

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

**Location** 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.

**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.

**Status** As of 10 November 2022 – The District is completing an environmental assessment to support nearshore placement projects from Folly River O&M project that will indirectly support the Folly Beach CSRMS federal project. The pilot project completed in 2021 was determined a success based on findings from a particle tracking contract that was used to monitor the pilot project impacts along the shoreline. The next nearshore placement project is scheduled for Spring 2023.

**Sponsor:** City of Folly Beach

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## FPMS - Flood Plain Management Program

P2#: 114026

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### Congressional Districts:

Nancy Mace (SC-01)      Joe Wilson (SC-2)      Jeff Duncan (SC-3)  
William Timmons (SC-4)      Ralph Norman (SC-5)      James Clyburn (SC-6)  
Tom Rice (SC-07)

**Appropriation:**      Investigations

**Phase:**      N/A

**Business Line:**      N/A

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

**Location**      N/A

**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 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.

**Status**      This program is listed in the President's budget only by total program needs, and is not broken down by state. Funds are 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. FPMS funds are also used to coordinate with customers for other studies, such as Hurricane Evacuation Studies.

**Sponsor:**      NA

### Project Manager

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US Army Corps  
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Charleston District

# 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:** N/A

**Business Line:** Navigation

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

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

**Project** 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.

**Status** As of 2 November 2022 - Georgetown County again submitted a letter of interest in February 2022 for the Corps to conduct a study regarding siltation in portions of the inner harbor as a follow-on study to modeling and work commissioned by the county and conducted by Coastal Carolina University (CCU) and GEL Engineering. The request for a federal study is competing with other budget work packages as a new start. For FY23, \$25k was identified in the President's Budget and will be used to continue to coordinate with the SC Ports Authority and Georgetown County on the future of the project.

**Sponsor:** South Carolina Ports Authority

**Project Manager**

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**FACT SHEET  
OPERATIONS AND MAINTENANCE**

**PROJECT NAME AND STATE:** Hartwell Dam and Lake, GA

**AUTHORIZATION:** Flood Control Act of 1950 and 1958; Water Resources Development Act of 1976.

**SUMMARIZED FINANCIAL DATA**

**O&M**

Allocation for FY 2020	\$11,050,000
Allocation for FY 2021	\$11,205,000
Allocation for FY 2022	\$13,090,000
Supplemental Funds (IIJA) for 2022	\$1,475,000
President's Budget for FY 2023	\$12,249,000
Supplemental Funds (IIJA) for 2023	\$1,467,000

**LOCATION AND DESCRIPTION:** The project is located midway between Atlanta, Georgia and Charlotte, North Carolina. The dam is a concrete gravity type; 1,900 feet long and 225 feet high with a 568-foot controlled spillway. The authorized project purposes include hydropower, flood control, recreation, water supply/water quality, fish and wildlife, and navigation (no longer operated for navigation). The project provides 2,843,000 acre-feet of storage with 1,416,000 acre-feet allocated to hydropower, 293,000 acre-feet to flood control, and 1,134,000 acre-feet to inactive storage. The project also boasts 962 miles of shoreline, 55,950 acres of water, and 25,560 acres of land, which are situated in six counties and two states (Georgia and South Carolina).

**ACTIVITIES FOR FY2022:** Continue transition to remote hydropower operations. Perform routine hydropower operations and maintenance. Repair Clemson Pump Station (CPS) gearboxes and diesel pumps, perform dam safety periodic inspections, and execute IIJA CPS automated trash rack rake. Perform routine operation and maintenance of 42 recreation areas within established recreation seasons. Execute IIJA recreation campsite/restroom renovations. Perform routine shoreline management, environmental stewardship, and environmental compliance activities. Survey and reset missing boundary line monuments. Continue water reallocation study and develop water supply agreements. Continue cultural predictive modeling.

**ACTIVITIES FOR FY2023:** Perform routine hydropower operations and maintenance, replace powerplant unwatering and station drainage sump pumps, and perform deformation surveys. Execute IIJA requirements: modernize/upgrade Clemson Pump Station controls (remote ops), replace/upgrade piezometers, repair erosion downstream of Georgia dam embankment, repair dam grout packs, and upgrade water control manual. Perform routine operation and maintenance of 42 recreation areas within established recreation seasons. Perform routine shoreline management, environmental stewardship, and environmental compliance activities. Execute IIJA cultural surveys of potential sites identified by predictive modeling.

**ISSUES AND OTHER INFORMATION:** Budget amount of \$13,090,000 will be used to operate and maintain Hartwell Project facilities at acceptable levels. Hartwell is second most Corps visited project in the nation. The project served 8.5M visitors in FY 2021 resulting in \$543M in visitor spending within 30 miles of project and \$1.7M in user fees returned to United States Treasury. Hartwell has the largest shoreline management program in the nation with approximately 11,000 docks and 12,000 permits. The Hartwell Power Plant produced 611,952 MWH in FY 2021, with \$23M in total power revenues. Hartwell Project has prevented \$117M in cumulative flood damages since construction. Within available funding, Savannah District will continue work on four water reallocation requests under one study analysis with total anticipated cost of \$877K.

**ADMINISTRATION POSITION:** Project is consistent with current Administration policy.

**ACTION OFFICER:** Michael C. Chirpich  
CESAS/912-652-5320

31 March 2022



US Army Corps  
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Charleston District

# Project Fact Sheet

## Inspection of Completed Works, SC

P2#: 476739

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### Congressional Districts:

Nancy Mace (SC-01)	Joe Wilson (SC-2)	Jeff Duncan (SC-3)
William Timmons (SC-4)	Ralph Norman (SC-5)	James Clyburn (SC-6)
Tom Rice (SC-07)		

**Appropriation:** Operation & Maintenance

**Phase:** N/A

**Business Line:** Flood & Coastal Storm Damage Reduction

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

**Location:** N/A

**Description:** Periodic inspections 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, ensures project benefits are retained, and develops strong relationships with sponsors and partners.

**Status:** Inspection of projects are ongoing. All projects in the program will be inspected and a report delivered for the FY.

**Sponsor:** Various

**Project Manager (PM):**

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**FACT SHEET**  
**OPERATION AND MAINTENANCE**

**PROJECT NAME AND STATE:** J. Strom Thurmond Dam and Lake, GA and SC

**AUTHORIZATION:** Flood Control Act of 1944

**SUMMARIZED FINANCIAL DATA**

	<b><u>O&amp;M</u></b>
Allocation for FY 2020	\$11,093,000
Allocation for FY 2021	\$10,282,000
Allocation for FY 2022	\$11,206,000
Supplemental Funds (IIJA) for 2022	\$1,551,000
President's Budget for FY 2023	\$11,626,000
Supplemental Funds (IIJA) for 2023	\$615,000

**LOCATION AND DESCRIPTION:** J. Strom Thurmond dam, completed in 1954, is located 22 miles north of Augusta, Georgia in Clarks Hill, South Carolina, and consists of a 2,282-foot long, 200-foot high concrete section, and a controlled spillway, 1,096 feet long. It provides a total storage of 2,900,000 acre-feet. The authorized project purposes include hydropower, flood control, recreation, water supply/water quality, fish and wildlife, and navigation (no longer operated for navigation as there is no commercial traffic). The multi-purpose project's 80,000 acres of land, 70,000 acres of water, and 1,200 miles of shoreline inhabit seven counties in Georgia and South Carolina.

**ACTIVITIES FOR FY 2022:** Continue transition to remote hydropower operations. Perform routine hydropower operations and maintenance. Prepare contract for replacement of spillway gate controls. Perform routine operations and maintenance of recreation areas within established recreation seasons. Install a 2.4-3kw Solar System at Ridge Road Campground to reduce utility costs. Initiate paving of the West Dam Recreation Area. Perform routine shoreline management, environmental stewardship and compliance activities. Complete identification and prioritization of potential underwater cultural resources sites for future investigation during low water conditions.

**ACTIVITIES FOR FY 2023:** Perform routine hydropower operations and maintenance with all units available. Conduct a routine periodic assessment, perform a deformation survey of the dam, and upgrade water control manual. Conduct a 5-year external environmental compliance review. Perform routine operations and maintenance of recreation areas within established recreation seasons. Repair and replace shoreline erosion control measures in Clarks Hill Park. Perform routine shoreline management, environmental stewardship, and compliance activities. Determine site eligibility for 50 cultural resources sites. Survey and replace 4 missing boundary line survey monuments. Replace and upgrade piezometers in the dam. Replace failed security and safety fencing around an abandoned quarry.

**ISSUES AND OTHER INFORMATION:** Thurmond is one of the most visited projects in the nation. The project served 4.5M visitors in FY 2021 resulting in \$299M in visitor spending within 30 miles of project and a record recreation user fee revenue of \$1.5M returned to the United States Treasury. The project supplied 7 communities with water. The J. Strom Thurmond Power Plant produced 807,890 megawatt hours in FY 2021, returning \$23M in revenue to the United States Treasury. J. Strom Thurmond project prevented an estimated \$208M in cumulative flood damages from 1955 to date. Timber harvested on project lands provided \$1.2M in revenues in FY 2021.

**ADMINISTRATION POSITION:** Project is consistent with current Administration policy.

**ACTION OFFICER:** Michael C. Chirpich  
CESAS/912-652-6162

31 March 2022



US Army Corps  
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Charleston District

# Project Fact Sheet

## Lakes Marion and Moultrie, SC

Dorchester County, SC

P2#: 113262

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

**Appropriation:** Construction

**Phase:** Construction

**Business Line:** Environmental Infrastructure (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 Sec1182 of P.L. 114-322, and Section 1303(b)(2) of P.L. 115-270, and Section 352(b)(10) of P.L. 116-260.

**Location** 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 four counties and seven municipalities located in central South Carolina.

**Project** 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. WRDA 2020 [Section 352(b)(10)] specifically modified the Federal appropriations limit to \$110,000,000.

**Status** As of November 2022 - Approximately 52 miles of the 75 total miles of water transmission lines have been completed to date. Winding Woods Reach and Tank and Reach are under construction and will be completed in spring 2023. The Providence Reach (6,280LF) was awarded September 2022. Due to a 10-month lead time for materials, construction will begin September 2023. The Orangeburg-Berkeley Phase 1 reach will be awarded spring 2023. Design continues for Orangeburg Berkeley Phase 2 and the Calhoun Reaches, which will be awarded late 2023 pending availability of funds.

**Sponsor:** Lake Marion Regional Water Agency

**Project Manager**

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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:** N/A

**Business Line:** Navigation

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

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

**Project** The project maintains 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.

**Status** As of 7 November 2022 - The District received \$6.1M from the Bipartisan Infrastructure Law of 2021 and \$500k is identified in the FY23 President's Budget to dredge Murrells Inlet Federal Channel. Sand dredged from the federal channel will be placed both on Garden City Beach for coastal storm damage reduction and Huntington Beach State Park to protect the Murrells Inlet south jetty structure.

**Sponsor:** Georgetown County

**Project Manager**

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**US Army Corps  
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Charleston District

# 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:** Coastal Storm Risk Management

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

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

**Project** 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.

**Status** As of 10 November 2022 - The District received funding to complete project information reports due to the impacts from Hurricane Ian. The analysis is scheduled to be complete in late December/early January and will provide a recommendation on whether the project qualifies for emergency rehabilitation funding.

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

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## PAS - Planning Assistance To States Coordination

P2#: 114010

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### Congressional Districts:

Nancy Mace (SC-01)      Joe Wilson (SC-2)      Jeff Duncan (SC-3)  
William Timmons (SC-4)      Ralph Norman (SC-5)      James Clyburn (SC-6)  
Tom Rice (SC-07)

**Appropriation:**      Investigations

**Phase:**      Coordination

**Business Line:**      Watershed Planning

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

**Location**      N/A

**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.

**Status**      Coordination efforts are ongoing to manage the program.

**Sponsor:**      NA

### Project Manager

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US Army Corps  
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Charleston District

# 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:** Coastal Storm Risk Management

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

**Location** 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** 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 Federal project also includes installation of sand fencing and dune vegetation. The Chief's Report was approved on December 19, 2006. The Town of Pawleys Island is the Non-federal Sponsor.

**Status** As of November 2022 – Due to declared disaster events from 2014-2017, including damages from Hurricane Irma, the Pawleys Island Federal project was selected for funding from the Bipartisan Budget Act (BBA) 2018 Appropriations Bill, in order to construct the Federal project. Following several delays since project authorization, the Town of Pawleys Island decided to sign a Memorandum of Understanding with the District on 13 August 2019 to construct a portion of the Federal project themselves. A full Project Partnership Agreement was executed 16 January 2020. A Federal construction contract for the sand fencing and dune vegetation was awarded 30 September 2021, construction started in March 2022, and is expected to be completed in April of 2023. By way of an Integral Determination Report finalized in June 2022, USACE determined that the Town's project fulfilled the requirements of initial construction of the Federal Project. With initial construction complete, the Federal Pawleys Island Coastal Storm Risk Management Project was transferred to the local sponsor, the Town of Pawleys Island, on August 18, 2022.

On September 30, 2022, Pawleys Island was impacted again by Hurricane Ian. USACE is currently conducting a Project Information Report of the damage and will analyze whether the project qualifies for emergency rehabilitation funding.

**Sponsor:** Town of Pawleys Island

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## Project Condition Surveys, SC

P2#: 476957

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**Congressional Districts:** Nancy Mace (SC-01) Tom Rice (SC-7)

**Appropriation:** Operation & Maintenance

**Phase:** N/A

**Business Line:** Navigation

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

**Location:** Multiple

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

**Status:** Funds are being used to perform surveys on navigation projects which do not receive annual funding for operations and maintenance. Hydrographic maps of these condition surveys are posted as a resource to the public.  
(<https://www.sac.usace.army.mil/Missions/Navigation/Hydrographic-Maps/>)

**Sponsor:** NA

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

Polk Swamp, Dorchester County, SC  
Sec 206 CAP

Dorchester County, SC

P2#: 402953

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**Congressional Districts:** James Clyburn (SC-06)

**Appropriation:** Bipartisan Infrastructure Law of 2021 (P.L. 117-58)

**Phase:** Implementation

**Business Line:** Environmental Restoration

**Authority:** Section 206, Water Resources Development Act of 1996, as amended

**Location** Polk Swamp is located west of the Town of St. George, Dorchester County, SC. St. George is located approximately 50 miles northwest of Charleston, SC.

**Description** The project is located in Dorchester County. The purpose of the project is Aquatic Ecosystem Restoration and is intended to restore the historical channel and flow regimes in order to restore the natural aquatic ecosystem. This degradation is characterized by a losses of bottomland hardwood trees, defined stream channels, the tree canopy which provided shade and contributed to diversity of habitat types, and an explosion of invasive aquatic species, persistent flooding of areas that were only occasionally inundated in the past and a significant increase in stagnant water during non-flood periods.

**Status** As of November 2022 - Targeting January 2023 for a signed PPA. Construction award is planned for March 2025, after Preconstruction Engineering and Design (PED) and real estate acquisition.

**Sponsor** Dorchester County

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## Port Royal Disposition Study

Port Royal, SC

P2#: 500335

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Investigations – Remaining Items

**Phase:** NA

**Business Line:** Navigation

**Authority:** Section 216 of Flood Control Act of 1970 (Review of Completed Works)

**Location** The Port Royal Harbor Navigation Project was authorized in 1954, providing for a 27 foot deep channel at mean low water and 500 feet wide across the ocean bar and into Port Royal Sound for approximately 13.2 miles and then 24 feet deep and 300 feet wide in Beaufort River and Battery Creek, extending an additional 7.5 miles, to include a turning basin 27 feet deep and 600 feet wide opposite the wharf of the former S.C. State Ports Authority. The 24-foot inner channel and turning basin was completed in 1956 and the 27-foot entrance channel was completed in 1959. The project provided access for break bulk commodities including cement, clay, slurry, feldspar and aggregate, estimated at 517,000 tons annually.

**Description** After steady decline only 130,000 tons passed in 2003, the SC State Ports Authority closed its facility in 2004 and sold the property to private developers in 2017. The Port Royal Harbor was last prioritized for maintenance funding in 2004, prior to closure. A permit was issued in 2020 to expand the marina adjacent to the turning basin that will encroach upon the federal channel. The justification to support this permit decision was based largely on the fact that there is no longer a commercial interest associated with this channel and no future maintenance of this channel is anticipated.

**Status** As of November 2022 - PDT is engaging military and civilian stakeholders to assess current use and economic benefits of the project. A final report will be prepared by September 2023 with a recommendation. Deauthorization would take Congressional action.

**Sponsor** NA

### Project Manager

Chrissa Waite

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**FACT SHEET  
OPERATION AND MAINTENANCE**

**PROJECT NAME AND STATE:** Richard B. Russell Dam and Lake, GA

**AUTHORIZATION:** Flood Control Act of 1966; Water Resources Development Act of 1986

**SUMMARIZED FINANCIAL DATA**

	<b><u>O&amp;M</u></b>
Allocation for FY 2020	\$9,231,000
Allocation for FY 2021	\$10,115,000
Allocation for FY 2022	\$9,541,000
Supplemental Funds (IIJA) for 2022	\$4,502,000
President's Budget for FY 2023	\$9,618,000
Supplemental Funds (IIJA) for 2023	\$1,711,000

**LOCATION AND DESCRIPTION:** Richard B. Russell Dam and Lake, completed in 1985, is located on the Savannah River, near Calhoun Falls, SC. The project provides hydropower, flood risk management, recreation, fish and wildlife management, water quality and water supply benefits. The project's 24,390 acres of land, 26,650 acres of water and 540 miles of shoreline are situated in four counties and two states: Georgia and South Carolina. Richard B. Russell is a Public Law 89-72 project therefore the Georgia Department of Natural Resources and South Carolina Parks, Recreation, and Tourism operate and maintain most of the recreation areas under cost share and lease agreements.

**ACTIVITIES FOR FY2022:** Perform routine O&M for the multi-purpose project. Replace the waterline serving the hydropower plant and the Project Manager's office. A periodic assessment finding to flush the foundation drains in the dam will be performed. Complete installation of a new power plant roof. Begin the design-build process to replace aged and failing lines for the Richard B. Russell oxygenation system and solicit a contract to replace fish deterrent system lights below the dam.

**ACTIVITIES FOR FY2023:** Perform routine O&M for the multi-purpose project. Concrete piers on the dam will be inspected to determine levels of reinforcement. Conduct dam safety training. Prepare a routine deformation survey of the dam and upgrade water control manual. Install a fire suppression system in the dam's emergency generator room. Replace and upgrade piezometers in the dam. Repair 3,400' of rip-rap in the tailrace of the dam.

**ISSUES AND OTHER INFORMATION:** Richard B. Russell is one of only two major hydropower projects in the Corps with pump-back capabilities and has extensive environmental features adding to operational and maintenance requirements. Two oxygenation systems are required allowing the plant to operate all pump-back units. The Richard B. Russell Power Plant produced 506,432 megawatt hours in FY 2021 and returned \$27.8M to the United States Treasury. The project served 670K visitors in FY 2021 resulting in \$28M in visitor spending within 30 miles of project. The project supplied 3 communities with water. The project prevented an estimated \$77M in cumulative flood damages from 1985 to date.

**ADMINISTRATION POSITION:** Project is consistent with current Administration policy.

**ACTION OFFICER:** Michael C. Chirpich  
CESAS/912-652-6162

31 March 2022





**US Army Corps  
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Charleston District

# Project Fact Sheet

**Town Creek, SC**

Charleston County, SC

**P2#:** 111495

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**Congressional Districts:** Nancy Mace (SC-01)

**Appropriation:** Operation & Maintenance

**Phase:** N/A

**Business Line:** Navigation

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

**Location** 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** The project provides an inner channel ten feet deep by 80 feet wide running 6.2 miles from the AIWW to the mouth of Five Fathom Creek, and also includes an entrance channel 12 feet deep by 100 feet wide and 4.0 miles long across the ocean bar. 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.

**Status** As of 7 November 2022 - The District received \$2M from the Bipartisan Infrastructure Law of 2021. The funds will be used to update the EA and dredge the entrance channel.

**Sponsor:** Town of McClellanville

**Project Manager**

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US Army Corps  
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Charleston District

# Project Fact Sheet

## Waccamaw River, Horry County, SC

Horry County, SC

P2#: 493919

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**Congressional Districts:** Tom Rice (SC-07)

**Appropriation:** Investigations

**Phase:** Feasibility Study

**Business Line:** Flood Risk Management

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

**Location** The study area is the watershed of the Waccamaw River, which is located in the northeast corner of South Carolina and the southeast corner of North Carolina. The Waccamaw River begins in Columbus County, NC, and flows 140 southwest through Horry County, SC approximately paralleling the coast of the Atlantic Ocean until joined by the AIWW and the Great Pee Dee before reaching the tidal Winyah Bay in Georgetown County, SC. Portions of the river are aligned by dense population, while others are surrounded by vast protected lands.

**Description** Horry County and all eight of its municipalities have experienced several flood events since 2015, including those from Hurricanes Joaquin (2015), Matthew (2016), and Florence (2018). The tidal influence, relatively flat topography, and low elevation result in slow draining when flood events occur. Flooding in the Waccamaw River also occurs from the Pee Dee river backflowing upstream into the Waccamaw River and its tributaries. This Flood Risk Management feasibility study will evaluate the cost and benefits of alternatives to reduce risks of riverine flooding and storm surge to communities and transportation routes within Horry County. A 1981 Corps reconnaissance report did not identify a solution that was in the Federal interest. Since then, the population of the area has grown and knowledge of climate-related effects has increased (primarily sea level rise, and the potential for increased storm frequency and/or intensity). The current study will consider a range of options including structural, nature-based, and non-structural management measures. The estimated \$3,000,000 study will be cost shared 50/50 with Horry County, the Non-Federal Sponsor, and will take an estimated three years to complete.

**Status** As of November 2022: The Waccamaw River, Horry County, SC Flood Risk Management Feasibility Study began on August 19, 2022 when a Feasibility Cost Share Agreement was signed with the Sponsor. The study team is currently scoping the study, gathering existing data, and evaluating if the predetermined \$3M and 3 years allocated to feasibility studies is sufficient to complete the scope. In FY22, \$500,000 was appropriated to initiate the study. The FY23 President's Budget indicates an additional \$300,000 in federal funds to continue study efforts. In out years, remaining required funds will be requested to bring the study to completion.

**Sponsor:** Horry County, SC

**Project Manager**

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