WILMINGTON DISTRICT: WHAT’S NEW ON THE COAST

Wilmington District Commander,
COL Ben Bennett

Civil Works Programs & Project Management
Robert (Bob), W. Keistler, P.E.

November 2020
NCBIWA 2020 Annual Conference

Working Today to Build a Better Tomorrow

US Army Corps of Engineers®
WHAT’S NEW WITH THE CORPS ON THE COAST

- FY21 APPROPRIATIONS: When will they come? What happens after DEC 11 CRA?

- DISASTER RELIEF ACT (DRA) of 2019

- ENVIRONMENTAL CHANGES: CBRA, SARBO

- WRDA 2020?
  - SECTION 203 NCSPA WILMINGTON HARBOR
  - CAROLINA & WRIGHTVILLE BEACH STUDIES
SAW FUNDING UPDATE

USACE is “Project Funded” (Fiscal Year: Oct 1st to Sept 30th)
<table>
<thead>
<tr>
<th>Investigations</th>
<th>FY 2020 President's Budget - Final ($1,000)</th>
<th>FY 2020 Storm Supplemental (PL 116-20 LT) ($1,000)</th>
<th>FY 2020 Work Plan ($1,000)</th>
<th>FY 2020 Total Allocation ($1,000)</th>
<th>FY 2021 President's Budget - Final ($1,000)</th>
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<tbody>
<tr>
<td>Cape Fear Disposition</td>
<td>485</td>
<td>485</td>
<td>110</td>
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<tr>
<td>Carolina Beach, NC (Sup)</td>
<td>-</td>
<td>3,000</td>
<td>-</td>
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<tr>
<td>Lumber River Basin, NC (Sup)</td>
<td>-</td>
<td>3,000</td>
<td>-</td>
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<tr>
<td>Neuse River Basin, NC (Sup)</td>
<td>-</td>
<td>3,000</td>
<td>-</td>
<td>3,000</td>
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<tr>
<td>Tar-Pamlico River, NC (Sup)</td>
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<td>3,000</td>
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<tr>
<td>Wrightsville Beach, NC (Sup)</td>
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<td>Investigations Subtotal</td>
<td>$485</td>
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<td>Construction</td>
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<td>FY 2020 Storm Supplemental (PL 116-20 LT) ($1,000)</td>
<td>FY 2020 Work Plan ($1,000)</td>
<td>FY 2020 Total Allocation ($1,000)</td>
<td>FY 2021 President's Budget - Final ($1,000)</td>
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<tr>
<td>Princeville, NC (Sup)</td>
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<td>39,600</td>
<td>-</td>
<td>39,600</td>
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<td>Surf City and North Topsail Beach, NC (SUP)</td>
<td>-</td>
<td>237,000</td>
<td>-</td>
<td>237,000</td>
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<tr>
<td>Wilmington Harbor 96 Act, NC</td>
<td>-</td>
<td>-</td>
<td>11,000</td>
<td>11,000</td>
<td>6,600</td>
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<td>Carteret County, NC (Bogue Banks) (SUP)</td>
<td>-</td>
<td>44,500</td>
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<td>Construction Subtotal</td>
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<td>Operation and Maintenance</td>
<td>FY 2020 President's Budget - Final ($1,000)</td>
<td>FY 2020 Storm Supplemental (PL 116-20 ST) ($1,000)</td>
<td>FY 2020 Work Plan ($1,000)</td>
<td>FY 2020 Total Allocation ($1,000)</td>
<td>FY 2021 President's Budget - Final ($1,000)</td>
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<td>Atlantic Intracoastal Waterway, NC</td>
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<td>Cape Fear River above Wilmington, NC</td>
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<td>125</td>
<td>-</td>
<td>620</td>
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<td>Manteo (Shallowbag) Bay, NC</td>
<td>806</td>
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<td>-</td>
<td>806</td>
<td>1,286</td>
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<td>Masonboro Inlet and Connecting Channels, NC</td>
<td>25</td>
<td>-</td>
<td>-</td>
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<td>Morehead City Harbor, NC</td>
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<td>13,395</td>
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<td>New River Inlet, NC</td>
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<td>330</td>
<td>-</td>
<td>360</td>
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<td>Rollinson Channel, NC</td>
<td>650</td>
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<td>650</td>
<td>360</td>
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<td>Silver Lake Harbor, NC</td>
<td>60</td>
<td>-</td>
<td>60</td>
<td>560</td>
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<td>Wilmington Harbor, NC</td>
<td>16,560</td>
<td>8,900</td>
<td>15,725</td>
<td>41,185</td>
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<td>B. Everett Jordan Dam and Lake, NC</td>
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<td>Falls Lake, NC</td>
<td>1,777</td>
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<td>-</td>
<td>2,127</td>
<td>2,991</td>
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<td>John H. Kerr Dam and Reservoir, VA and NC</td>
<td>11,594</td>
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<td>10,873</td>
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<td>Philpott Lake, VA</td>
<td>5,504</td>
<td>-</td>
<td>5,504</td>
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<td>W. Kerr Scott Dam and Reservoir, NC</td>
<td>3,351</td>
<td>250</td>
<td>3,601</td>
<td>3,049</td>
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<td>Inspection of Completed Works, NC</td>
<td>190</td>
<td>-</td>
<td>190</td>
<td>210</td>
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<tr>
<td>Inspection of Completed Works, VA</td>
<td>60</td>
<td>-</td>
<td>60</td>
<td>75</td>
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<td>Project Condition Surveys, NC</td>
<td>700</td>
<td>-</td>
<td>700</td>
<td>700</td>
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<td>Operation and Maintenance Subtotal</td>
<td>$53,409</td>
<td>$13,925</td>
<td>$33,170</td>
<td>$100,504</td>
<td>$53,972</td>
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</table>

**SAW - Budget Summary**

**(Specifically Authorized Projects)**

**FY-20 President’s Budget**

- O&M Funding divided between Navigation and Lakes Projects ($53.9 M).  

**DRA-19 Supplemental**

- A total of 8 New Starts with associated funding ($350.0 M).  

**FY-20 Work Plan**

- Additional Project Funding provided in Construction and O&M appropriations ($44.2 M).
COASTAL STORM RISK MANAGEMENT (CSRM) PROJECTS

SAW “Beach” Projects
COASTAL NAVIGATION PROJECTS

SAW “Inlet & Waterway” Projects
Over 1500 miles of Navigable Channels

2 Deep Draft ports
- Wilmington Harbor
- Morehead City Harbor

300 miles Atlantic Intracoastal Waterway

7 Shallow Draft inlets
- Oregon Inlet
- Bogue Inlet
- New River Inlet
- New Topsail Inlet
- Masonboro Inlet
- Carolina Beach Inlet
- Lockwoods Folly Inlet

SAW Coastal Navigation Projects

- Outer Banks Survey Office
- Stumpy Point Bay
- Rollinson Channel (Hatteras Ferry Channel)
- Silver Lake Harbor
- Ocracoke Inlet
- Beaufort Harbor
- Atlantic Beach Channels
- Back Sound to Lookout Bight
- Bogue Inlet
- New River Inlet
- New Topsail Inlet
- Masonboro Inlet
- Carolina Beach Inlet
- Lockwoods Folly Inlet

Channels supporting NC DOT Ferry operations serving the Subsistence Harbor of Ocracoke Island.
SAW Contract Update / Forecast

Construction Funded Contracts:
- FY-21 Eagle Island Improvements Contract (4th Q FY-21 Award)
- FY-22 Wrightsville Beach / Carolina Beach / Kure Beach / Ocean Isle Beach CSRM Contract(s) (4th Q FY-21 / 1st Q FY-22 Award)(Funding Required)
- Surf City / North Topsail Beach CSRM Contract (4th Q FY-21 / 1st Q FY-22 Award)
- Carteret County (Bogue Banks) CSRM Contract (1st / 2nd Q FY-22 Award)

O&M Funded Contracts:
- FY 20-21 Wilmington Harbor Anchorage Basin Contract (Awarded / Ongoing)
- FY-21 Wilmington Harbor Inner Ocean Bar Contract (Awarded)
- FY 21-22 Wilmington Harbor Anchorage Basin Contract (4th Q FY-21 Award))
- FY-21 SAD RHDC – Awarded (WH & MHC Options Scheduled for Feb 21)
- FY-21 Morehead City Ocean Bar (Beach Placement) Contract (Awarded)
- FY-21 AIWW (North) Maintenance Dredging Contact (November 2020 Award)
- FY-21 AIWW (South) Maintenance Dredging Contact (December 2020 Award)
Wilmington Shallowdraft Fleet

- Only shallowdraft fleet in USACE
- No industry equivalent
- National asset for Atlantic & Gulf
- Varied capabilities
- Beneficial use of dredged material
NC PORTS WILMINGTON HARBOR FEAS STUDY
SEC 203 OF WRDA 1986 AS AMENDED BY WRDA 2018, SEC. 1152,

First 14,000 TEU called Port of Wilmington new cranes MAY 2020;
photo of first 12,000 calling in APR 2019
PRESENTATION TAKE AWAYS

• Super Active Program on the Coast
• Era of fiscal constraints and restrictions
• WRRDA
  • Expiring authorizations
  • Implementation guidance required
  • No guarantee of appropriation
• Strategies for moving forward
  • Innovative partnering
  • Contributed funds
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Chief of Civil Works
Programs and Project Management Branch
(910) 251-4709 (Work)
(910) 372-3052 (Work Cell)
robert.w.keistler@usace.army.mil
BACK UP SLIDES
SAW DEEP DRAFT PORTS

Wilmington Harbor
- Authorized Depth:
  - Ocean Bar: 44 ft
  - To Bridge: 42 ft
  - Past bridge: 32 to 25 ft
- Tonnage: 8 million
- National Rank: 75

Morehead City Harbor
- Authorized Depth:
  - Range A: 47 ft
  - Cutoff Channel: 45 ft
  - Range B & C: 45 ft
  - Inner Harbor: 45 ft & 35 ft
- Tonnage: 3 million
- National Rank: 95
DREDGING PROGRAM – IMPACTS OF SARBO AND ENVIRONMENTAL “WINDOWS” IN NC

- For 30 years, the primary means of Federal and State Resource agency influence on the USACE dredging program in NC has been through the use of seasonal moratoria, or in the alternative, dredging “windows”, to avoid dredging during periods of increased biological activity.

- SAW seeks reduction or elimination of environmental windows in order to fully utilize the national dredging fleet, reduce costs, and resolve scheduling conflicts with other high-priority projects.

- SAD, through consultation on the 2020 South Atlantic Regional Biological Opinion (SARBO) with the National Marine Fisheries Service (NMFS), has been able to remove dredging windows from that document. Windows remain in NC, primarily through our CZMA Consistency, Essential Fish Habitat consultation, and Endangered Species Biological Opinions for birds and nesting turtles issued by USFWS.

- Current NEPA documents include discussion of wintertime-only dredging, and therefore must be updated if year-round dredging is desired in NC.

- SAW is initiating NEPA coordination with year-round dredging as an alternative for its two deep-draft harbor projects, and for our Supplemental Construction CSRM Projects and Studies. Federal and State resource agencies have expressed substantial concerns.
MILITARY OCEAN TERMINAL SUNNY POINT (MOTSU)

Loading cargo at the Center Wharf. These 80 ft Post Panamax gantry cranes were installed in 2012.

MOTSU MISSION

Located on the banks of the Cape Fear River approximately 26 miles south of Wilmington, NC, MOTSU is largest military munitions terminal in the world and the Army's primary east coast deep water port. MOTSU ships approx. 90% of all containerized ammunition for overseas operations.

It serves as a transfer point between rail, trucks and ships for the import and export of weapons, ammunition, explosives and military equipment for the US Army.

The port can handle up to six (6) ships simultaneously, featuring large cranes for loading and unloading vessels.

~ $25m annual SRM

- Dredging
- Wharves
- Rails
- Facilities - repair
- Base OPS
- Environmental
<table>
<thead>
<tr>
<th>FY 20-21 MOA FUNDED PROJECTS</th>
<th>Balance as of October 5, 2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manteo - Oregon Inlet</td>
<td>$1,040,000</td>
</tr>
<tr>
<td>South Ferry Channel</td>
<td>$113,000</td>
</tr>
<tr>
<td>Taylors Creek</td>
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</tr>
<tr>
<td>Beaufort Harbor</td>
<td>$72,000</td>
</tr>
<tr>
<td>Bogue Inlet</td>
<td>$95,000</td>
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<tr>
<td>Carolina Beach Inlet</td>
<td>$1,100,000</td>
</tr>
<tr>
<td>Lockwoods Folly Inlet</td>
<td>$200,000</td>
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</tbody>
</table>
EMERGENCY MANAGEMENT

**PL 84-99**
- Disaster Preparation
- Emergency Operations
- Rehabilitation
- Water Assistance
- Advance Measures
- Hazard Mitigation

**Federally Maintained Projects**
- Preliminary Damage Assessment
- Shoreline effects survey
- Channel survey
- Liaison with FEMA, state
- Corps-wide support

**Stafford Act**
- Requires National Declaration of Emergency
- National Response Framework ESF 3
- Lead (Public Works & Engineering)
- Missions/priorities received from FEMA