

TOWN OF SUNSET BEACH  
2016 SHORELINE MANAGEMENT AND PRE-DREDGE ANALYSIS  
PERMITTING

PROGRESS REPORT DATE  
APRIL 09, 2020

**Report Period: March 01 thru March 31, 2020**

The items below provide a description of key elements related to the current progress, including outstanding items and anticipated resolutions, for completing the work known as Town of Sunset Beach, 2016 Shoreline Management and Pre-Dredge Analysis, Phase 3 - Permitting.

**Acronyms:** CRC – North Carolina Coastal Resources Commission  
DCM – North Carolina Division of Coastal Management  
DMF – North Carolina Division of Marine Fisheries  
DWR – North Carolina Division of Water Resources  
M&N – Moffatt & Nichol  
NCAC – North Carolina Administrative Code  
NMFS – National Marine Fisheries Service  
OIB – Town of Ocean Isle Beach  
SP – Standard Permit  
WRC – North Carolina Wildlife Resources Commission.  
USACE – US Army Corps of Engineers (Wilmington District)

**Phase 1 – Feasibility Analysis** (100% complete)

**Items Previously Completed:** (100%)

The Town of Sunset Beach (Town) and M&N initiated a contract on February 19, 2016 to study the feasibility of conducting approximately 3.5 miles of navigation dredging within the Town limits. The work areas include Mary’s Creek, Turtle Creek, Jinks Creek, the Feeder Channel and adjoining finger canals, and the Bay area. The results of the analysis were positive and the Town elected to move forward with the design and modeling of the proposed work on June 7, 2016

**Phase 2 –Design** (100% complete)

**Items Previously Completed** (100%)

M&N completed the design phase for the project in August 2017. The work included identifying a dredge alignment and determining the volume of dredge material. M&N also completed a shellfish survey for Mary’s and Turtle Creeks and identified material placement locations for the compatible and non-compatible material. The design will continue to be refined as new information becomes available from the environmental studies proposed through the permitting process.

**Phase 3 –Permitting** (99.96% complete)

**Items Previously Completed:** (99.96% complete)

1.0 Project Coordination

- The USACE withdrew the South Jinks Creek maintenance dredging application since the Town is seeking an alternate beach placement site. The USACE also met with the Town on March 4, 2020. At the meeting the USACE requested the Town to elaborate on the Purpose and Need for the dredging project and to document the alternative analysis evaluated to determine the proposed project is the most acceptable based on potential environmental impacts, overall project costs, and anticipated benefits.

## 8.0 CAMA Major Permit Review

- DCM issued the CAMA Major Permit for the maintenance dredging of Mary's & Turtle Creek on December 11, 2018.
- DCM issued the CAMA Major Permit for South Jinks Creek, the Bay Area and Feeder Channel systems on October 28, 2019 and the CRC granted the Town's variance request on February 12, 2020. The variance grants the Town State approval to dredge to -5-ft (+1) MLW in South Jinks Creek, the Bay Area, and the Feeder Channel.

Multiple residents have voiced concerns regarding beach placement of the dredge material from South Jinks Creek on Sunset Beach. Based on the comments received, M&N recommended identifying a new beach placement site.

**Progress this Period:** (0% of total task)

### 1.0 Project Coordination

- M&N continues to work with the Town to address the USACE concerns for the purpose and need of the project and to identify an alternate beach placement site for the S. Jinks Creek beneficial reuse material. Expectations suggest the material will be placed on OIB as a least cost and publically acceptable option. (Placement on OIB will require submittal of additional beach surveys and sediment analysis.)

Once the beach placement site is resolved, M&N will add the information to the alternative analysis required by the USACE, and submit for their review.

## **Outstanding Items and Anticipated Completion Dates:**

### 1.0 Project Coordination

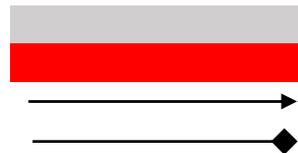
- M&N will continue to work with the Town to identify a new beach placement site for the beneficial reuse material from S. Jinks Creek and potentially modify the permit based on the results.
- M&N will revise the USACE permit application to detail the alternative analysis and the purpose and need evaluated for the South Jinks Creek project. The revised application is anticipated after identification of a new beach placement site.

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DESIGN & PERMITTING**

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**Progress Schedule**

Tasks	2019												2020											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
<b>Pre-Dredge Analysis Design Phase</b>																								
Project Coordination																→								
USACE Permit																→								
Identify Alt. Beach Placement Site																→								
CAMA Major Permit															●									



- Indicates anticipated timeframe to complete respective task.
- Indicates anticipated overrun in the timeframe to complete respective task.
- Indicates work in progress (WIP) timeframe to complete respective task.
- Indicates the completion time for the respective task.