

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

PROGRESS REPORT DATE  
OCTOBER 05, 2020

**Report Period: September 01 thru September 30, 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 the 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** (94.89% complete)

**Items Previously Completed:** (75.58% 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.

- M&N submitted a revised federal permit application based on the concerns of placing beach material on Sunset Beach. The federal application included an alternative analysis to document the options evaluated by the Town to develop the maintenance dredging project. The federal application was submitted on August 21, 2020. However, due to issues with the federal FTP site, the application was re-submitted on August 31, 2020 and confirmed as received.

## 2.0 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 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.

The Town and M&N selected a nearshore material placement site to address the residents' concerns. An agency coordination meeting was held on June 30 to review the alternative. As a result of the meeting, no significant impacts or concerns were identified. Comments were voiced over the need to monitor the project performance and identify where the material will migrate. M&N addressed these issues through analysis of historical transport patterns and proposing a 3-year physical monitoring approach.

M&N provided a modification to the S. Jinks Creek CAMA permit and DCM concluded their completeness review on September 4, 2020. DCM requested some information to be removed from the submittal and a revised submittal was provided by September 9, 2020.

## 3.0 Update Construction Cost & Monitoring

- Geodynamics completed the hydrographic survey field work necessary for updating the construction cost and completing the monitoring request. The collected data will be processed and provided to M&N for evaluation by mid-September. (M&N will provide the Town with a copy of the final submittal for review.)

**Progress this Period:** (19.31% of total task)

### 1.0 Project Coordination

- M&N continues to coordinate with the Town, DCM, and the USACE regarding the permit applications and processing times. DCM stated agency review is anticipated to be completed by late October. This would enable state permit issuance to occur prior to 2021.

M&N continues to work with the USACE to assist in the federal permit review. M&N provided a draft Public Notice to the USACE on September 23, 2020. The public notice is anticipated to be distributed in early October.

### 2.0 Update Construction Cost & Monitoring

- M&N initiated the monitoring analysis to update the construction cost and identify if material shoaling has occurred in the project area, including Jinks Creek and Tubbs Inlet. An updated construction cost should be provided by mid-October and initial results of the monitoring analysis are anticipated in late October.

**Outstanding Items and Anticipated Completion Dates:**

1.0 Project Coordination

- M&N will continue to coordinate with the USACE to expedite the permit review. M&N will also verify with DCM on the timing for the public commenting period and anticipated permit issuance.

3.0 Update Construction Cost & Monitoring

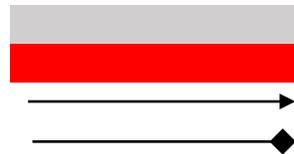
- M&N will provide a draft copy of the monitoring report for the project area by late-October. The submittal will include updated construction cost (and dredge volumes) for the project based on the recently completed hydrographic survey.

**TOWN OF SUNSET BEACH  
2016 SHORELINE MANAGEMENT & PRE-DREDGE ANALYSIS  
DESIGN & PERMITTING**

**PROGRESS REPORT  
October 5, 2020**

**Progress Schedule**

Tasks	2020												2021											
	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec
Pre-Dredge Analysis Design Phase																								
Project Coordination									→															
USACE Permit Review									→															
CAMA Major Modification Review									→															
Update Construction Cost & Monitoring									→															



- 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.