

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

PROGRESS REPORT DATE
DECEMBER 15, 2020

Report Period: November 01 thru November 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 (97.27% complete)

Items Previously Completed: (97.02% 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. The public commenting period for DCM concluded on October 26, 2020. This would enable state permit issuance to occur prior to 2021 if no major comments were received.

- M&N also continues to work with the USACE to assist in the federal permit review. The federal commenting period concluded on November 19, 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 in early September 2020. (M&N will provide the Town with a copy of the final submittal.)

Progress this Period: (0.25% of total task)

1.0 Project Coordination

- DWR issued a letter requesting additional time to review the federal permit application on November 25, 2020. DWR requested a total of 6-months to review the nearshore placement option. This could push the permit issuance back to April 2021. M&N will continue to coordinate with DWR to address their concerns and expedite permit approval.
- The USACE and DWR have scheduled a site visit for mid-December to observe the project conditions. M&N will attend the site meeting in hopes of clarifying the agency concerns and advancing the permit application.

2.0 Update Construction Cost & Monitoring

- M&N completed a preliminary assessment of the monitoring data and identified an approximate shoaling rate of 2,200 cy/yr in south Jinks Creek. The additional volume may increase the project cost to approximately \$1.8M for the Town and local residents. M&N will review the monitoring data with the Town in mid-December and will provide a written report in January 2021.

Outstanding Items and Anticipated Completion Dates:

1.0 Project Coordination

- M&N will continue to coordinate with the USACE & DCM to expedite the permit review. A written summary of the site meeting will be provided to the Town for consideration.

2.0 Update Construction Cost & Monitoring

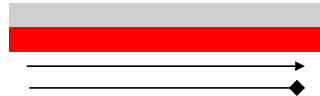
- M&N will review the monitoring data with the Town in mid-December and will provide a written report in January 2021.

**CARTERET COUNTY
SHALLOW DRAFT NAVIGATION WATERWAYS - 2018
DESIGN & PERMITTING CONSTRUCTION**

**PROGRESS REPORT
December 15, 2020**

Progress Schedule

Tasks	2019												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	Jan	Feb	Mar	Apr	May	June						
Design & Permitting																																				
Atlantic Harbor	→																																			
Project Coordination	→																								→											
Construction Admin Services	→																								→											
Old Ferry Channel & Deer Creek	→																																			
Project Coordination	→																								→											
Hydrographic Survey	→																								→											
Sed. Collection & Analysis	→		◆																																	
Design Development	→				◆																															
State & Federal Permits	→																								→											
Construction Admin Services	→																								→											



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.