

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

PROGRESS REPORT DATE
MAY 14, 2021

Report Period: April 01 thru April 30, 2021

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 (100% complete)

Items Previously Completed: (99% complete)

1.0 Project Coordination

- The Town established the special taxing unit to fund the dredging project in early January. This allows construction of the project to move forward. M&N redirected efforts from the monitoring analysis to prepare bid solicitations for the project. A pre-bid meeting for the project was conducted on January 27, 2021 with six (6) contractors in attendance.

2.0 CAMA Major Permit Review & USACE IP 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.
- DCM and DWR issued their respect permit for the south Jinks Creek nearshore placement on February 18 and February 24, 2021, respectively.

3.0 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. M&N will review the monitoring data with the Town and will provide a written report as a final deliverable.

4.0 S. Jinks Creek Construction Administration

- Coastal Dredging LLC was selected to conduct the maintenance dredging of south Jinks Creek through a competitive bid process. The Town awarded the contract for \$1,524,955.00 contingent on receipt to all the necessary permits to conduct the work.
- The Town decided to wait until November 2021 to start construction of the south Jinks Creek project to allow full completion of the dredging work in one (1) mobilization. Construction will begin on November 16, 2021.

Progress this Period: (1% of total task)

1.0 Project Coordination

- The Town authorized M&N to move forward with the construction phase of the navigation project on May 03, 2021. Construction is anticipated to begin on November 16, 2021 and be completed by March 31, 2022 for all project segments (Mary's Creek, Turtle Creek, South Jinks Creek, the Bay Area, and the Feeder Channel system).

2.0 Update Construction Cost & Monitoring

- Efforts continued to complete the monitoring analysis with completion anticipated in early June 2021.

3.0 USACE IP Review

- The USACE issued the Federal permit for the navigation project on April 14, 2021. The permit allows the construction project to move forward beginning on November 16, 2021.

Outstanding Items and Anticipated Completion Dates:

1.0 Project Coordination

- M&N will move forward with preparing the project construction documents for a November 2021 commencement. Future progress reports will provide a detailed summary of the efforts necessary for the November construction.

2.0 Update Construction Cost & Monitoring

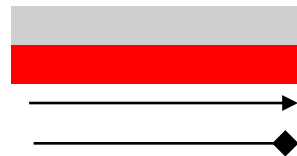
- A final report on the monitoring analysis is anticipated in June 2021.

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

**PROGRESS REPORT
May 14, 2021**

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.