



Wilmington Harbor DMDF, NC (Navigation) (Construction)

- **Sponsor: State of NC**
- **Completed harbor deepening to the Cape Fear Memorial Bridge in FY 2013**
- **Incremental dike raises underway at Eagle Island Dredged Material Disposal Facility to increase disposal capacity for Wilmington Harbor Anchorage Basin O&M dredged material**



CONGRESSIONAL DISTRICT: NC 7

DATE: 01 APRIL 2022

1. **AUTHORIZATION:** Water Resources Development Acts of 1986 and 1996.
2. **LOCATION AND DESCRIPTION:** Wilmington Harbor is in Wilmington on the southern coast of North Carolina in New Hanover and Brunswick Counties. Construction has been completed on deepening the navigation channel up to the Cape Fear Memorial Bridge. The deepening included the following improvements: the ocean bar and entrance channels from the authorized depth of 40 feet to 44 feet, deepening the authorized 38-foot project to 42 feet including the anchorage basin through the Cape Fear Memorial Bridge, widening the existing 400-foot wide channel to 600 feet over a total length of 6.2 miles including Lower and Upper Midnight and Lower Lilliput reaches; widening five turns and bends by 100 to 200 feet; and widening the Fourth East Jetty channel to 500 feet over a total length of 1.5 miles. Remaining deepening components above the Cape Fear Memorial Bridge are deferred due to a marginal BCR.

Currently, the Wilmington Harbor construction project is maximizing disposal capacity at the Eagle Island Dredge Material Disposal Facility (DMDF) by incrementally raising the dikes from current elevations to that prescribed in the draft Dredged Material Management Plan (DMMP). Two contracts were awarded in FY 2019 for improvements to Cell 2 (improve drainage, replace spillways, construct toe-berms, and dike raises to elevation 46 feet), and awarded modifications for Cell 3 improvements (construct toe-berms). The second contract is scheduled for completion in Q4 FY 2022. The Corps awarded two construction contracts in FY 2021 for improvements to Cell 1 (replace spillways, construct toe-berms, and dike raises to 46 feet), and Cell 2 (erosion protection to mitigate ship wake erosion). The last of these two contracts is scheduled for completion in Q4 FY

PROJECT INFORMATION – Wilmington Harbor, NC (Construction) – Continued

2023. Approximately five follow-on construction contracts are necessary to complete construction at the Eagle Island DMPF.

3. **COST ESTIMATE:** \$95,248,000 (Federal)
\$31,749,000 (non-Federal)
\$126,997,000 Total

4. **FEDERAL FUNDING ALLOCATION THRU FY 2021:** \$45,051,000.

5. **FY 2022 PRESIDENT’S BUDGET:** \$22,000,000. Final Bill: \$22,0000. In combination with carry-in funds, these funds will be used to award a construction contract for Cell 1 and Cell 3 at Eagle Island DMDF.

6. **FY 2023 PRESIDENT’S BUDGET:** \$0.

7. **ISSUE AND/OR STATUS:** Since the portion of the authorized project upstream of the Cape Fear Memorial Bridge is being deferred, construction of navigation deepening features are complete.

Calculations show Cell 2 improvements are expected to create capacity for at least 3 dredging cycles, FY 2022, FY 2024, and FY2025. The FY2023 dredging cycle will be performed using a mechanical dredge (clam). Dredged material will be placed in the Ocean Dredge Material Disposal Site (ODMDS) and not in Eagle Island.