

**Report to the North Carolina General Assembly
Joint Legislative Oversight Committee on
Natural and Economic Resources and the
Fiscal Research Division**



Coastal Storm Damage Mitigation Fund

Annual Report

October 1, 2023

Division of Water Resources

**NORTH CAROLINA DEPARTMENT
OF ENVIRONMENTAL QUALITY**

Pursuant to G.S. 143-215.73M



NORTH CAROLINA
Environmental Quality

ROY COOPER
Governor

ELIZABETH S. BISER
Secretary

RICHARD E. ROGERS, JR.
Director

October 1, 2023

Representative Jimmy Dixon, Co-Chair
Senator Brent Jackson, Co-Chair
Joint Legislative Oversight Committee on Agriculture and Natural and Economic Resources
16 W. Jones Street
Raleigh, North Carolina 27601
Re: Report on the "Coastal Storm Damage Mitigation Fund (\$143-215.73M)"

To Whom It May Concern:

As per §143-215.73M, annually the Department of Environmental Quality is required to provide a report (see attached) on the projects funded from the "Coastal Storm Damage Mitigation Fund." The law appropriating these funds requires the Department make annual reports that include project type, project location, brief project description, entity receiving the funding, and amount of funding. Attached is the report including projects funded in FY 2019-2020, FY 2021-2021, FY 2021-2022, and FY 2022-2023. All projects listed in the attached table have executed contracts that, funds encumbered, and funds have either fully been distributed or been scheduled to be distributed. The CSDM has a \$1 non-state match requirement matching over \$71,000,000 in local funds for Coastal Storm Mitigation.

This report was prepared by Kevin Hart with the Division of Water Resources in the Department of Environment Quality. If you have questions about this report, please contact me by email at Kevin.Hart@ncdenr.gov or by phone at 919-707-3607.

Sincerely,

A handwritten signature in black ink, appearing to read "Kevin Hart".

Kevin Hart



North Carolina Department of Environmental Quality | Division of Water Resources
512 N. Salisbury Street | Raleigh, North Carolina 27699-1617
919-707-9000

Table 1. Coastal Storm Damage Mitigation (\$143-215.73M) projects funded through S.L. 2018-138, S.L. 2019-224, and S.L. 2021-180.

Project Sponsor	Session Law	Project Name	Funding Amount	Expenditures	Project Type	Project Description
Town of Holden Beach	S.L. 2019-224	Town of Holden Beach Dune Building Project	\$106,000.00	\$106,000	Sand Fencing	Place new sand fence along beach front.
Town of Duck	S.L. 2019-224	The Town of Duck Beach Nourishment Project	\$1,450,921.35	\$1,450,921.35	Beach Nourishment	Nourish 1.6 miles (20-foot wide dune elevation +20.0 feet NAVD.)
Town of Surf City	S.L. 2019-224	Surf City Post Florence Emergency Berm Restoration Supplemental	\$1,365,573.03	\$1,365,573.03	Beach Nourishment	Dune restoration of 32,641 lineal feet.
Town of Southern Shores	S.L. 2019-224	Town of Southern Shores Beach Management Project	\$1,408,247.19	\$1,408,247.19	Beach Nourishment	Beach fill project along the 19,712 feet of oceanfront.
Town of Oak Island	S.L. 2019-224	Town of Oak Island Renourishment Project Phase I & II	\$1,344,235.96	\$1,008,176.97	Beach Nourishment	Nourish nine miles of oceanfront shoreline with a dune crest elevation between 12.0 ft and 14.5, and width of 6 ft.
Town of Kitty Hawk	S.L. 2019-224	Town of Kitty Hawk Shore Protection Project	\$1,408,247.19	\$1,408,247.19	Beach Nourishment	Nourish 21,487' with 60' wide berm at 6' and variable dune w/ crest of 14'
Town of Kill Devil Hills	S.L. 2019-224	Town of Kill Devil Hills Shore Protection Project	\$1,450,921.35	\$1,450,921.35	Beach Nourishment	Beach fill OF 2.58 miles including a 15' wide dune at elevation +20.0 fronted by a 40' berm at elevation +6.0
Dare County	S.L. 2019-224	Buxton Maintenance/Storm Damage Repair 2021	\$1,557,606.74	\$1,557,606.74	Beach Nourishment	nourish 15,500', create ~10 acres of new dune habitat, and ~23 acres of new dry beach habitat.
Town of Nags Head	S.L. 2019-224	Town of Nags Head 10-Mile Beach Nourishment	\$1,408,247.19	\$1,408,247.19	Beach Nourishment	Planning, designing, permitting and construction of 649,220 cy of sand along 10 miles.
Town of Oak Island	S.L. 2018-138	Town of Oak Island CSDM Renourishment Project	\$3,157,377.00	\$3,157,377.00	Beach Nourishment	Place 1.5million cubic yards of sand along 9 miles of oceanfront.
Carteret County	S.L. 2018-138	Post Florence Renourishment Project Phases I, II, and III	\$15,342,623.00	\$15,342,623.00	Beach Nourishment	Nourish ~21 miles of oceanfront with ~8.8 Million cy of sand.
North Carolina Coastal Federation	S.L. 2021-180	Living Shorelines	\$2,000,000	\$2,000,000	Living Shorelines	Provide grants for living shorelines, oyster reefs, and marsh restoration to protect other coastal communities that are vulnerable to storm surge and tidal flooding.
Town of Oak Island	S.L. 2021-180	Town of Oak Island Beach Nourishment	\$20,000,000	\$20,000,000	Beach nourishment	Beach nourishment along 9 miles.
Pine Knoll Shores	S.L. 2021-180	Pine Knoll Shores Sand Fence	\$90,400	\$90,400	Sand Fence	Planning and installation of sand fencing along 4.5 miles.
Topsail Beach	S.L. 2021-180	Topsail Beach Dune Planting	\$109,100	\$109,100	Vegetation	Planting of native dune plants and removal of non-native species
Town of Nags Head	S.L. 2021-180	Town of Nags Head Dune Planting	\$300,000	\$150,000	Vegetation	Planning, layout, design, planting of native dune plants.
Town of Oak Island	S.L. 2021-180	Oak Island Beach Management Plan	\$965,000	\$482,500	Planning	Beach management plan to identify borrow area for 50 years.
Dare County	S.L. 2021-180	Northern Dare County Sand Planning	\$1,000,000	\$750,000	Planning	Regional Sand investigation for the northern Dare County beaches.
Dare County	S.L. 2021-180	Buxton Beach Nourishment	\$1,557,607	\$778,803.50	Beach Nourishment	Nourish 15,500 linear feet of ocean front beaches. Beach widened 50ft to 150ft.
Dare County	S.L. 2021-180	Avon Beach Nourishment	\$4,714,231	\$2,357,115.80	Beach Nourishment	Nourish 2.5 miles of beach with a berm to +7ft NAVD.
North Topsail Beach	S.L. 2021-180	North Topsail Beach Nourishment Phase 4 & 5	\$10,500,000	\$5,250,000	Beach Nourishment	Nourish 2.5 miles of ocean front widening the beach 100ft.
Total			\$71,236,338	\$61,631,860		