

# Oak Island Mitigation Action Plan Progress Report

August 1<sup>st</sup>, 2023

Action #	Description	Hazard(s) Addressed	Relative Priority	Lead Agency/ Department	Potential Funding Sources	Implementation Schedule	Implementation Status (2023)
OKI-1	Continue to maintain a library of materials focused on educating citizens, builders, realtors and developers about the dangers associated with floodplain development. This information will also outline sound techniques for floodplain development and floodproofing of existing structures. The County will also maintain staff educated on these issues to work with prospective builders.	Flood	High	Oak Island Development Services, Oak Island Emergency Services, Oak Island Administrations	General Funds	Completed: A Library of materials that focuses on educating citizens, builders, realtors and developers about the dangers associated with floodplain development has been created.	FEMA educational materials are available both in the Development Services at Town Hall and at Barbee Library as well as on the Town's website under a dedicated flood info webpage. These materials include technical bulletins, insurance info, and other FEMA outreach publications.
OKI-2	When possible, ensure that no public and/or critical facilities are proposed for flood hazard areas. Additionally, when siting new public/critical facilities, the information and data outlined in this plan will be factored into the decision-making process.	Flood	High	Oak Island Development Services, Oak Island Emergency Services, Oak Island Administrations	General Funds	Ongoing: Development Services reviews all proposed location for public and /or critical facilities to assure placement are outside of flood hazard areas or are engineered to minimize flood damage.	No new critical facilities have been proposed since this plan has been adopted. The Town will continue to review and prevent the placement of public and/or critical facilities within flood hazard areas and to use the information and data outlined in this plan into the decision-making process in the future.
OKI-3	In conjunction with annual EOP updates, determine if access to all critical facilities is readily available in the event of a natural hazard event. Careful consideration should be given to localized flooding issues that may restrict access along limited access thoroughfares. Where access issues are identified, establish a plan for alternative transportation.	All	High	Oak Island Development Services, Oak Island Emergency Services, Oak Island Administrations	General Funds	Ongoing: Oak Island has created a map of all its critical facilities and is reviewing temporary locations to move during a natural hazard event if needed.	Oak Island has continually updated the flood prone area map when needed and will continue to look at alternative transportation and temporary relocation of critical facilities in the event of a natural hazard event.

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OKI-4	Maintain Town Stormwater Ordinances in conjunction with land use ordinances for compatibility of EPA Phase II NPDES requirements. These efforts should also include analysis of stormwater hotspots and potential remedies for these issues.	Flood	High	Oak Island Development Services, Oak Island Public Works, Oak Island Administrations	General Funds, NCDEQ	Ongoing: Oak Island continually maintains and updates its Stormwater Ordinance. Oak Island has identified and mapped low lying areas prone to flooding. Public Works has prioritized stormwater maintenance in these areas and repairs to existing stormwater system.	Oak Island has completed and will continue ongoing repairs to Oak Island's existing stormwater system and continues to look at alternative stormwater designs that are compatible with Oak Island's Phase II NPDES permit.
OKI-5	Review respective Comprehensive Land Use Plans annually to ensure that the Future Land Use Maps adequately delineate portions of Oak Island deemed unsuitable for development due to existing environmental conditions or other factors outlined in this plan.	All	Moderate	Oak Island Development Services, Oak Island Administration	General Funds, NCDPS, NCDEQ	Ongoing: Oak Island reviews its Comprehensive Land Use Plan on an annual basis and has implemented new development standards.	The Town reviews its Comprehensive Land Use Plan on an annual basis and will update as needed.
OKI-6	Review and update as necessary the Flood Damage Prevention Ordinance to ensure maximum protection from flood hazard events.	Flood	High	Oak Island Development Services, Oak Island Administration	General Funds, NCDPS	Ongoing: Oak Island adopted the most current State model Flood Damage Prevention ordinance in October 2017, updated in April of 2018 and reviews on an annual basis.	Oak Island continues annual reviews of the Flood Damage Prevention Ordinance and updates as necessary.
OKI-7	Work closely with NCDOT and the Cape Fear Regional MPO to improve road access standards and protect the integrity of significant traffic-carrying roadways throughout the County. These efforts should specifically target the issue of	All	Moderate	Brunswick Co Administration, Oak Island Development Services, Oak Island Public Works, Oak Island Administrations, NC Department of	General Funds, NCDOT	Ongoing: Oak Island continuously works with NCDOT and attends the Cape Fear Regional MPO meetings to improve road access	Oak Island has maintained communication with NCDOT and participation with the Cape Fear Regional MPO to work towards improving road access standards and protect the integrity of significant

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	restriping highway intersections and lane markings for higher visibility.			Transportation Cape Fear Regional MPO		standards and improvements to the highway system.	traffic-carrying roadways throughout the County.
OKI-8	Continue to undertake the following actions to support maintenance of safe hurricane evacuation routes: Identify and support improvements to roads that serve as hurricane evacuation routes, post evacuation routes on County and Town websites, perform routine bridge and culvert maintenance, and raise bridges over streams that have documented flooding during significant rain events, support the planning and implementation of regional roadways	Hurricane	High	Brunswick Co Emergency Operations Center, Oak Island Emergency Services, Oak Island Administrations	General Funds, NCDPS	Oak Island continues to evaluate hurricane evacuation routes off the island throughout the county. Currently reviewing procedures for property owners and residents access onto the island after a severe hazard event.	Oak Island will continue to work with the County on updating evacuation routes and procedures for access after a severe hazard event. The Town hosted an Emergency/Hurricane Preparedness Workshop with Brunswick County, Town department heads, and the neighboring town of Caswell Beach in June of 2023.
OKI-9	Continue to proactively seek out grant funding through NCEM and FEMA for mitigation of repetitive loss properties (RLPs) from future flood events. Oak Island will maintain a list of RLPs and, on an annual basis, will apply for funding for all structures that meet cost-benefit thresholds as defined by FEMA. The County will assist all municipal jurisdictions in working through the structural mitigation grant funding process.	Flood	High	Oak Island Development Services, Oak Island Administration Brunswick Co Administration	General Funds, NCDPS	Oak Island Maintains a RLP list and reviews it annually for grants through NCEM and FEMA for mitigation of RLP from future flood events.	Oak Island received an updated RLP list in October of 2022. Oak Island will continue to maintain a RLP list and review on an annually basis for grants through the NCEM and FEMA for mitigation of RLP from future flood events.
OKI-10	Integrate publicly acquired land into public park and greenway systems. These efforts may be carried out through update of the County Blue/Greenway system, as well as municipal planning efforts.	All	Moderate	Oak Island Development Services, Oak Island Administration Brunswick Co Administration	General Funds, NCDEQ, NCDOT	Ongoing: Coordinating with Brunswick County on possible connection points and review of applicable jurisdictional plans.	Oak Island is working to identify public lands that are suitable for greenway repurposing and blueway zones.
OKI-11	Continue to enforce the NC State Building Code. Oak Island inspections staff will recertify the NC State Building Code as the adopted local regulation applying to	Flood, Hurricane	High	Oak Island Development Services	General Funds	Ongoing: Oak Island has adopted, maintains and enforces the current	The building inspections department has continued its enforcement of the current NC State Building Codes and

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	all construction activities on an annual basis. Through enforcement of the NC State Building Code, Oak Island will work to ensure that all structures, including manufactured homes, are properly anchored to minimize potential impacts stemming from a disaster event.					NC State Building Codes. Oak Island performs required inspections to ensure that all structures, including manufactured homes, are properly anchored to minimize potential impacts stemming from a disaster event.	required inspection to ensure that all structures, including manufactured homes, are properly anchored to minimize potential impacts stemming from a disaster event.
OKI-12	Improve Hazard Warning and Response Plan (warning and evacuating critical facilities, getting persons out of flood-prone or isolated areas, controlling vehicles on evacuation routes, evacuation of hazard materials).	All	High	Brunswick Co Emergency Operations Center, Oak Island Emergency Services, Oak Island Administrations	General Funds, NCDPS	Ongoing: Oak Island has updated its EOP/Hurricane Preparedness, Evacuation and Recovery Plan. The Plan details warning protocol, evacuation procedures, reentry procedures and after reentry.	Oak Island has reviewed and updated its EOP/Hurricane Preparedness, Evacuation and Recovery Plan on an annual basis.
OKI-13	Provide training for “first responders” in identifying and reporting opportunities to mitigate the effects of future disasters at both the county and municipal level.	All	High	Oak Island Emergency Services, Oak Island Administrations	General Funds, NCDPS	Ongoing: Oak Island, at minimum provides an annual event exercise where an After Action Report is prepared that identifies opportunities to help mitigate the effects of future disasters.	An after-action report was prepared for Hurricane Ian after landfall in October of 2022. Oak Island will continue to perform annual event exercises and prepare After Action Reports that will help identify opportunities to mitigate the effects of future disasters.

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OKI-14	Continue to work closely with real estate agents to ensure that prospective buyers are educated about development within a flood hazard area. Oak Island will prepare materials for dissemination to local real estate agents to assist in this education process. Additionally, materials and information regarding mitigation and retrofitting techniques will be made available on Oak Island's websites.	Flood	High	Oak Island Development Services, Oak Island Administration	General Funds, NCDPS, FEMA	Ongoing: Oak Island conducts annual workshops for real estate agents and contractors to educate them on development within a flood hazard area.	Oak Island hosted its annual Citizen's Academy workshop in February of 2023. This workshop educates citizens on floodplain requirements and info on environmentally sensitive areas. This info is also made public on the Town's website. Oak Island also hosted a flood vent workshop open to the public in January of 2023.
OKI-15	Oak Island will develop a Terrorism Risk Management Program. The program will identify potential threats, perform site assessments to determine personal and facilities vulnerability and how to protect the facility and its occupants.	Terrorism	Moderate	Oak Island Emergency Services, Oak Island Administrations	General Funds, NCDPS	Identify risks in 2021, implement protocols to protect facilities and its occupants. Completion by 2025.	The Town and its emergency service departments are working to identify threats and assess facilities to develop a Terrorism Risk Management Program.
OKI-16	Oak Island will develop Cyber Attack Management Program. The program will require periodic review of Oak Island's computer network security and provide a mitigation plan to prevent any type of a cyber-attack.	CYBER	High	Oak Island Administrations, Oak Island IT Department	General Funds, NCDPS	Identify risks in 2021, implement protocols to protect facilities and its occupants. Completion by 2025.	The Town is working with its IT support company, Hooks, to ensure cyber security for Oak Island's network.
OKI-17	Oak Island will develop an Infectious Disease Risk Management Program. The program will identify ways to manage the spread of disease and to contain an outbreak. The plan will contain information on coordination with other city, county, regional, state and federal agencies and other organizations responding to a larger public health emergency; perform site assessments to determine personal and facilities vulnerability and how to protect the facility and its occupants.	Infectious Disease	High	Oak Island Emergency Services, Oak Island Administration	General Funds, NCDPS, FEMA	Identify risks in 2021, implement protocols to protect facilities and its occupants. Completion by 2025.	Oak Island continues to identify management techniques to develop an Infectious Disease Risk Management Program.