

Appendix A

Community Action Team Members

Community Action Team (CAT)	
Name	Position
Bill Mallard	Resident
Chris Brown	Mayor
Kent Jackson	Assistant Town Manager
Margaret Johnson	Environmental Advisory Committee Chair
Margaret Mendez	Town Planner
Mark Dolak	Recreation Advisory Committee Secretary, Business Owner
Mike Sprayberry	CAT Champion , Former Emergency Response Director
Sam Boswell	Regional Planner
Scott Thornall	Public Works Director
Sue Stewart	Board of Adjustment
Taylor Davis	Town Planning Manager

Appendix B

Community Action Team Meetings

CAT Meeting #1

Town of Oak Island Coastal Resilience Strategy

Resilient Coastal Communities Program
Community Action Team (CAT) Meeting #1

March 5, 2026



Agenda

- 01 Roles and Responsibilities**
- 02 The Resilience Strategy**
- 03 Community Engagement Strategy**
- 04 Next Steps**
- 05 Visioning**
- 06 Questions**

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01

Roles & Responsibilities

The Project Team

Town of Oak Island

- Manage and guide project
- Identify key stakeholders
- Support public engagement
- Review project deliverables
- Facilitate strategy implementation

Resilient Coastal Communities Program (RCCP)

- Funding agency
- Advisory role
- Technical support
- Ensure alignment with state priorities
- Review and approve project deliverables

Jennifer Fickler, Coastal Resiliency Specialist, Division of Coastal Management, DEQ

Consultant Team

- Provide technical support / expertise
- Develop tools to support the project
- Produce all project deliverables
- Facilitate and conduct community engagement

Community Action Team
Stakeholders
Public

→ *with a lot of support from...*

The Consultant Team



Engineering
& Design

Kara Drane, FAICP

Project Manager

Bridget Snover, RLA

Project Support

Overview

- Interdisciplinary firm with experience developing resilience strategies and implementing resilience projects
- Community engagement specialists
- Vulnerability assessment and project development
- Develop Resilience Strategy

Community Action Team (CAT)

Responsibilities

- Oversee and guide the planning process
- Meet regularly throughout the project
5 total meetings
- Review all draft deliverables
- Provide direction and assistance with public outreach

CAT Members

Bill Millard

Chris Brown

Kent Jackson

Lee Price

Margaret Johnson

Margaret Mendez

Mark Dolak

Mike Sprayberry

Scott Thornall

Sue Stewart

Taylor Davis

Stakeholders & the Public

Responsibilities

- Contribute to and vet community asset mapping
- Provide feedback on issues and opportunities
- Assist with project identification and prioritization
- Provide input on draft Resilience Strategy



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02

The Resilience Strategy

Resilient Coastal Communities Program

Overview

- Provides financial and technical assistance to help coastal counties assess vulnerabilities, set resilience goals, evaluate their capacity, and develop prioritized, shovel-ready projects tailored to their specific risks
- **Phase 1: Community and Risk & Vulnerability Assessment**
- **Phase 2: Planning, Project Selection, and Prioritization**
- Phase 3: Engineering & Design
- Phase 4: Project Implementation

NC RCCP Program Overview

56

Communities Engaged

89

Grants Awarded

\$15,732,730

Funds Distributed

Project Goals

Understand the impacts of climate change on Oak Island's systems

Take a holistic view of climate change and consider a range of climate impacts

Identify projects to build resilience to the impacts of climate change



Scope of Work

Building on existing related plans and initiatives, this project will:

establish a **Community Resilience Vision** to guide the planning process



develop an **Asset Inventory** collaboratively w/ Oak Island and the public



conduct a **Risk Assessment** to identify vulnerable assets, with a focus on flood risk



identify **Projects & Strategies** to increase community resilience to climate change

Project Timeline

March Introduction to project and group visioning

April Review of asset inventory

May Review of asset risk assessment

July Review of proposed projects and strategies

August Review of draft strategy

September Submission of final strategy

Blueprint Tool



Feedback & Support

Community Profile

Flood Risk Management

Action Management

Data Repository

BS

Community Profile

Report Add Layers Help

Flood Risk Summary

Critical Facilities

Critical Infrastructure

Emergency Services

Environmental Concerns

Historic Buildings & Areas

Housing

Land Use

Population & Demographics

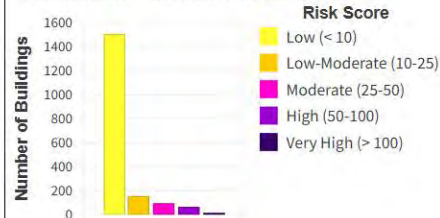
Social Vulnerability

Capacity Assessment

Town Of Oak Island - Flood Risk Summary

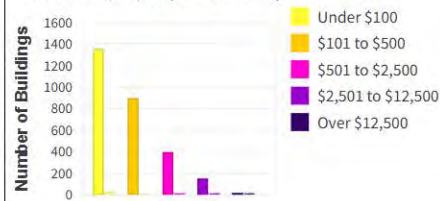
1,790 Buildings at Risk by Risk Score

Total Risk Score: 14,804.8 (hover for details)

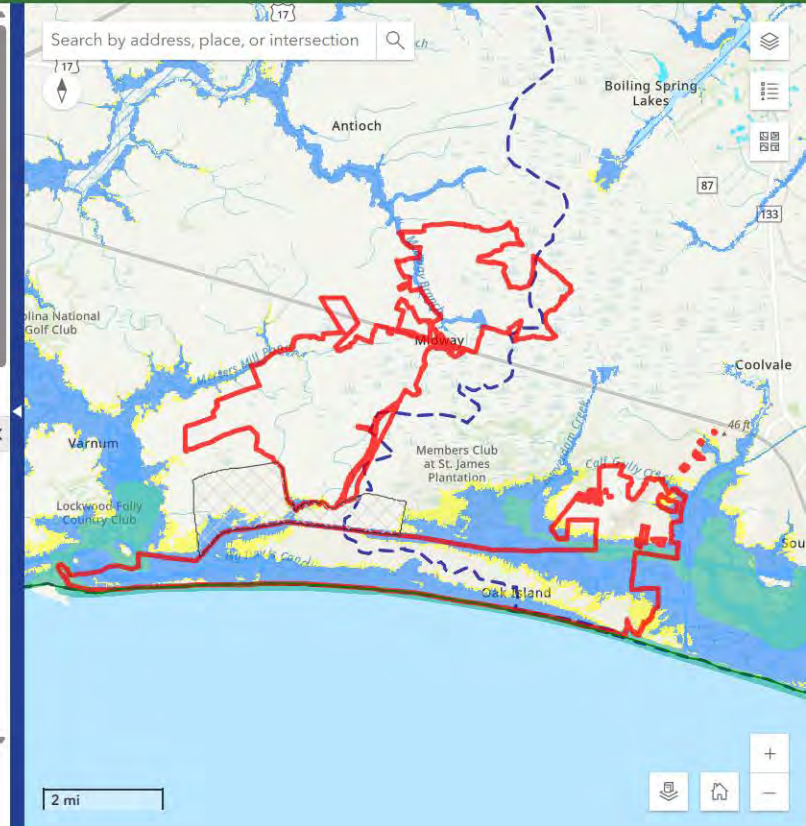


2,854 Buildings at Risk by Annualized Loss Estimate

Total ALE: \$2,488,593 (hover for details)



Next



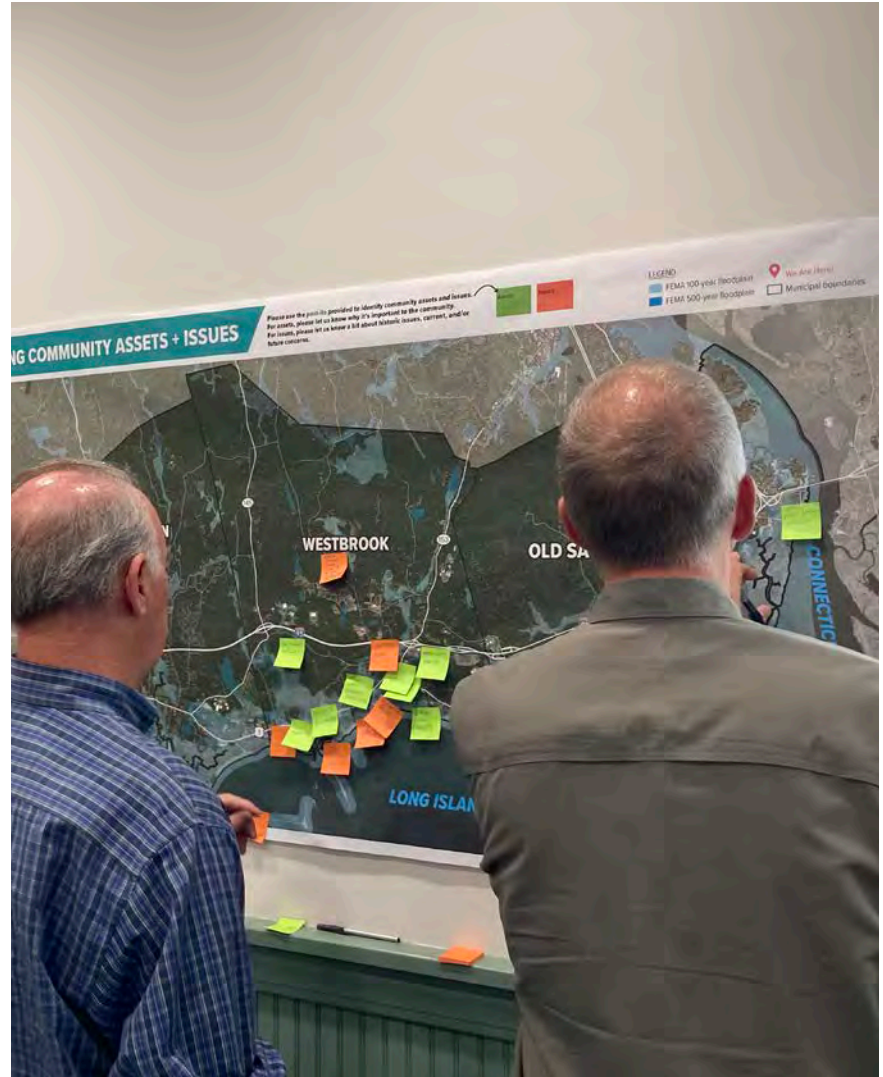
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03

Community Engagement Strategy

Purpose

- Shape the Strategy's vision and goals
- Provide feedback on community assets and vulnerability
- Prioritize resilience strategies and projects



Community Action Team (CAT)

Guide the planning process to ensure recommendations are grounded in community needs.

- Serve as a local representative
- Attend committee meetings
- Assist with engagement strategies
- Review and comment on draft deliverables

Who are some key individuals and organizations we should engage early in the planning process?

Community Outreach Plan

Phase One: Engagement Planning

Identifying key partners and opportunities

Phase Two: Public Kick-Off

Developing a shared vision

Phase Three: Project Review

Gathering feedback on recommendations

Phase Four: Draft Strategy Review

Incorporating feedback on the draft Strategy

What types of engagement activities have been successful in the past to reach underrepresented groups?

Public Events

Spring 2026

- Pop-up #1
- Public Meeting #1

Establish a vision, provide feedback on assets and risks, identify resilience priorities.

Summer 2026

- Pop-up #2

Review vision, assets and risks, establish resilience priorities and projects.

Fall 2026

- Public Meeting #2

Provide feedback on draft Strategy and priority projects.

Where should we hold meetings to make sure they are as accessible and convenient as possible?

Are there existing events we should plan to attend?

Communications Plan

- Interested and Impacted Parties Database
- Project Website
- Press Releases
- Social Media Posts
- Flyers
- Email Blasts

Are there any “hot button” issues or terms we should be aware of before we start engaging the public?

Which communications channels do you recommend (social media, local radio, etc)?

Project Website

Potential Website Domains:

- OakIslandResilience.com
- OakIslandStrong.com
- OakIslandPrepares.com

Are there any other website domain names that should be considered?

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04

Next Steps

Next Steps

Short Term:

- Creating a County Profile
- Asset Inventory
- Risk Assessment
- Needs Assessment

Engagement:

- Build Project Website
- Stakeholder Meetings
- CAT Meeting #2

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05 **Visioning**

menti.com

Code: 7435 8221

Visioning

What environmental stressors are you most concerned about now and in the future?

Visioning

What is Oak Island's greatest asset that should be preserved into the future?

Visioning

**How would you like to be able to describe
Oak Island in 50 years?**

Visioning

What do you see as the greatest challenge to achieving your vision?

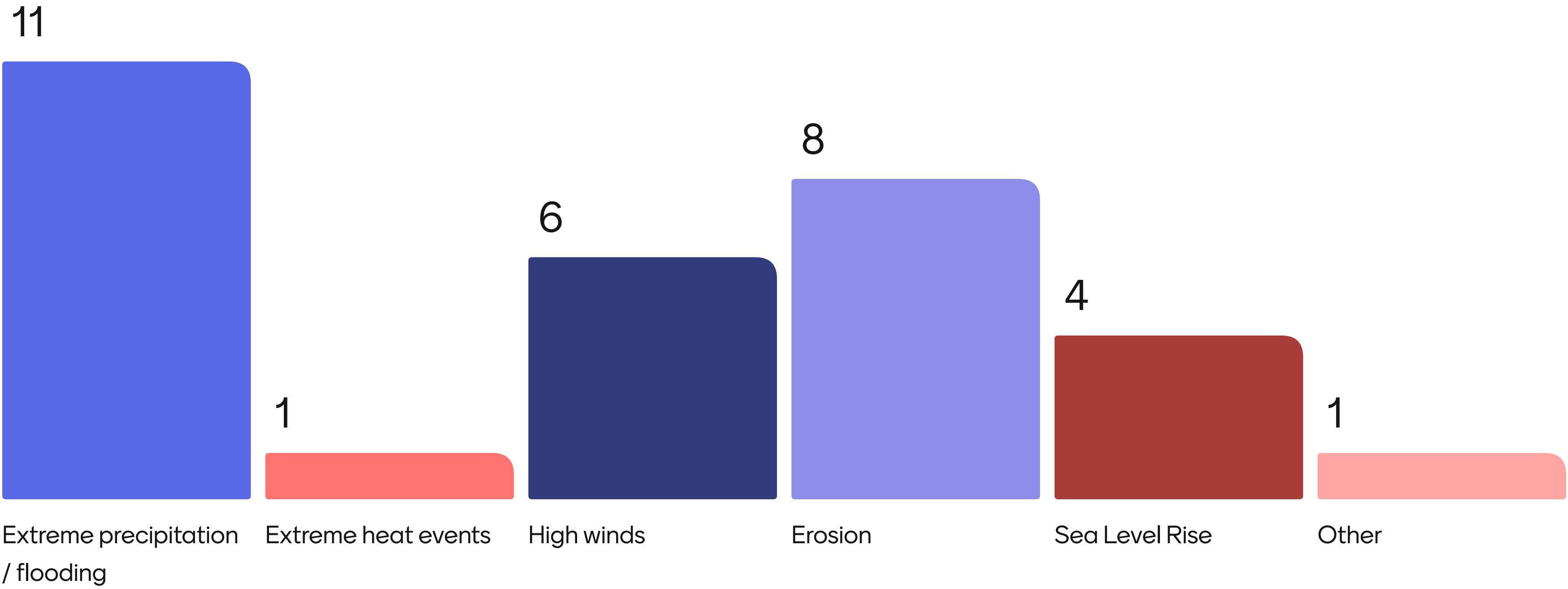
Visioning

What project would you like to see implemented to increase Oak Island's resilience and achieve your vision?

06

Questions

Which environmental stressors are you most concerned about now and in the future? Please choose up to 3.



In one word or phrase, what is Oak Island's greatest asset that should be preserved into the future?



In one word or phrase, how would you like to be able to describe Oak Island in 50 years?



What do you see as the greatest challenge to achieving your vision?

Funds

Resident participation

Lack of understanding
and compromise

Creating
actionable/achievable
goals.

Growing population and
development

Cohesiveness & vision
clarity

Maintaining shared goals
and continuous progress
through transition.

Unlimited development

What do you see as the greatest challenge to achieving your vision?

Community buy, funding,
enforcement

Working together

Agreeing

Lack of tax base

Unlimited development

What project would you like to see implemented to increase Oak Island's resilience and achieve your vision?

Preserve nature on
island

Island wide dune
restoration

Invasive species
mitigation in wetlands

More plants and larger
dunes at beach

Stormwater
management

Storm water control that
preserves nature and
accessibility

Tree lined Oak Island
Drive

More plants on dunes

What project would you like to see implemented to increase Oak Island's resilience and achieve your vision?

Comprehensive nature
engagement and
management plan

Federal Beach
Designation

Clean beaches

Preserving open space

CAT Meeting #2

Town of Oak Island Coastal Resilience Strategy

Resilient Coastal Communities Program
Community Action Team (CAT) Meeting #2

April 30, 2026



Agenda

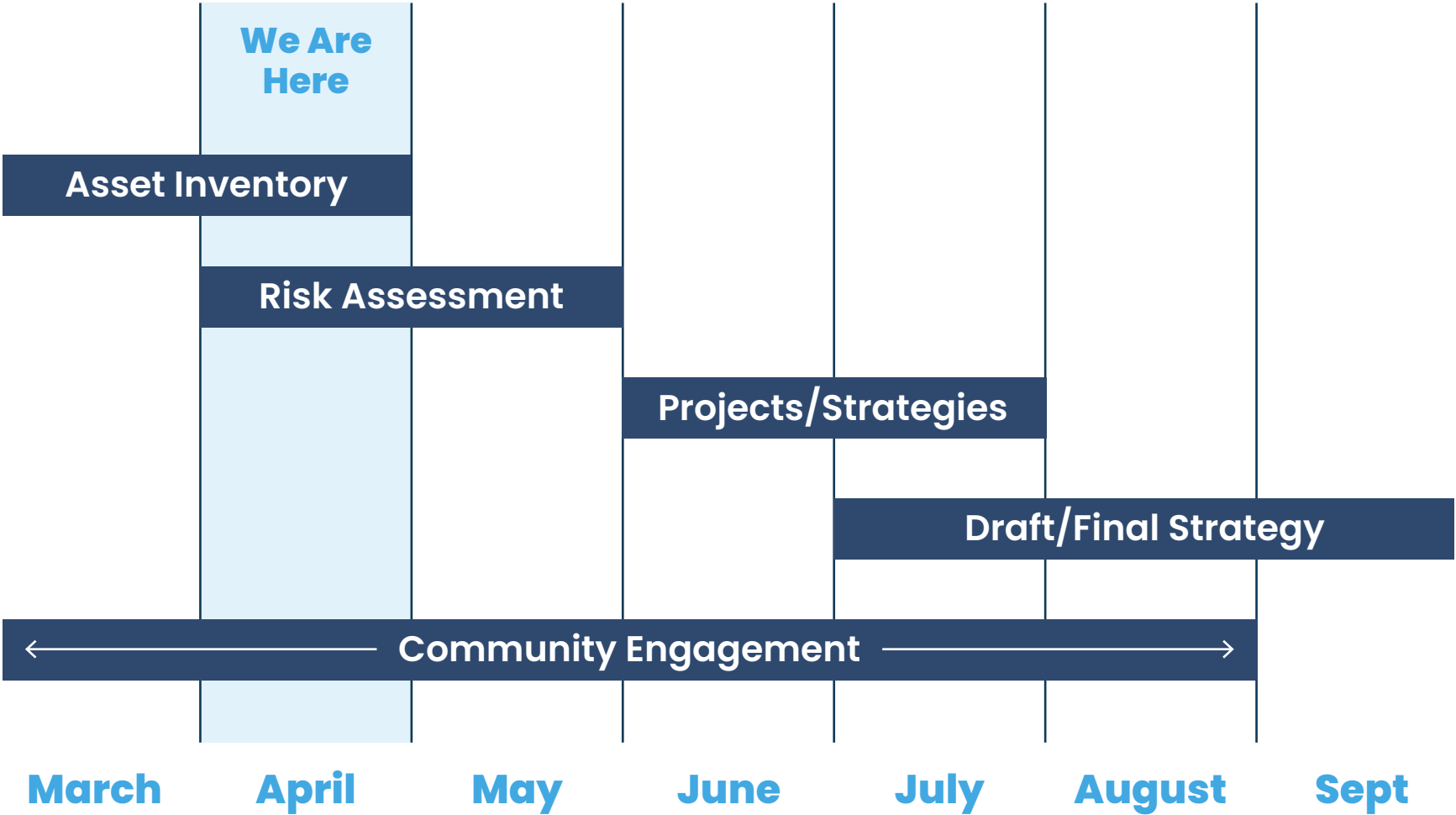
- 01** Project Status
- 02** Community Engagement
- 03** Asset Inventory
- 04** Next Steps
- 05** Questions

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01

Project Status

Project Timeline



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02

Community Engagement

Community Action Team Champion

Responsibilities

- Leader of the CAT
- Point person with:
 - The Division of Coastal Management (DCM)
 - The Consulting Team (Colliers Engineering & Design)
 - The rest of the CAT

CAT Members

Mike Sprayberry (CAT Champion)

Bill Millard

Chris Brown

Kent Jackson

Lee Price

Margaret Johnson

Margaret Mendez

Mark Dolak

Scott Thornall

Sue Stewart

Taylor Davis

Community Events

Pop-Up Events

Past Event

Earth Day Festival

April 22, 2026

Upcoming Events

Pop-Up at The Point

May 1, 2026

Pop-Up at The Barbee Library

May 1, 2026

Seafood Festival

May 3, 2026

Public Meeting

UPCOMING EVENT

Public Meeting #1

April 30, 2026 6-7PM

- Introduction to the project
- Establish a vision
- Identify resilience priorities

Project Website

www.OakIslandResilience.com



**Oak Island
Coastal Resilience
Strategy**

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Oak Island, North Carolina

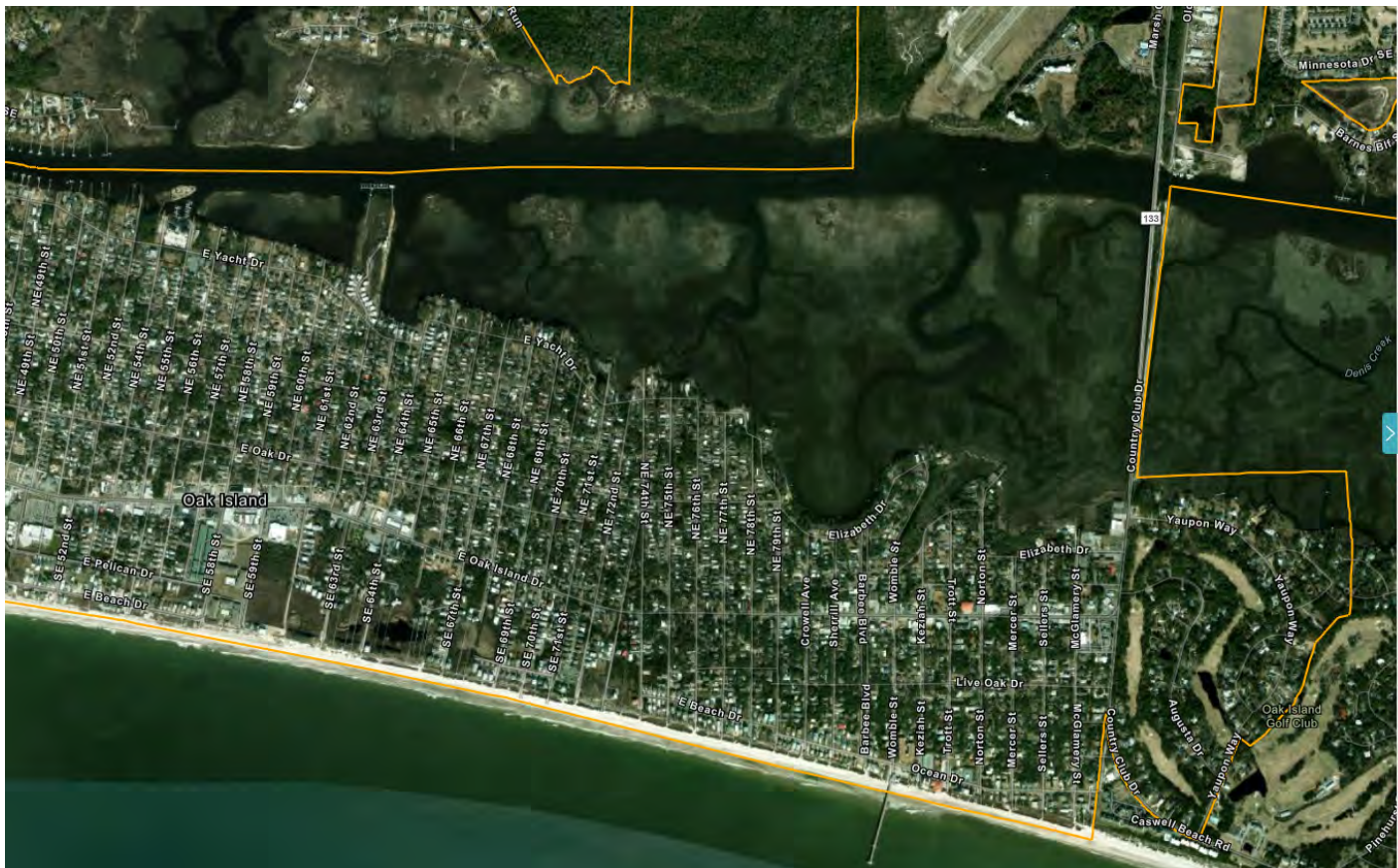
Coastal Resilience Strategy

North Carolina Resilient Coastal Communities Program



Interactive Map

Access the interactive map through the project website!



Create features

Filter types

Asset

- New Feature

Issue

- New Feature

Opportunity

- New Feature

INSTRUCTIONS!

To Place a Pin:

1. Click "New Feature" under asset, issue, or opportunity above.
2. Click a location on the map that you would like to comment on.
3. Type your comment into the box. Your name and email are optional.
4. **Optional:** Attach an image to support your comment.
5. Click "Create" to share your comment with the community.

If you have any questions concerning how to navigate this page, please contact Bridget Snover at bridget.snover@collierseng.com.

Community Survey



**Access the community survey
through the project website!**

What we're hearing:

- Most participants are concerned about **storm surge, flooding, sea level rise, and marsh migration/degradation**
- **Dune fortification** and increased **tree canopy** are popular resilience solutions
- Most participants think **preservation of environmental assets** is the greatest benefit of increased resilience

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03

Asset Inventory

Critical Assets

RCCP Requirements

***Locating water line locations shapefile**

****There aren't any schools in Oak Island**

**Roads/Evacuation
Routes**

Water*/Sewer Lines

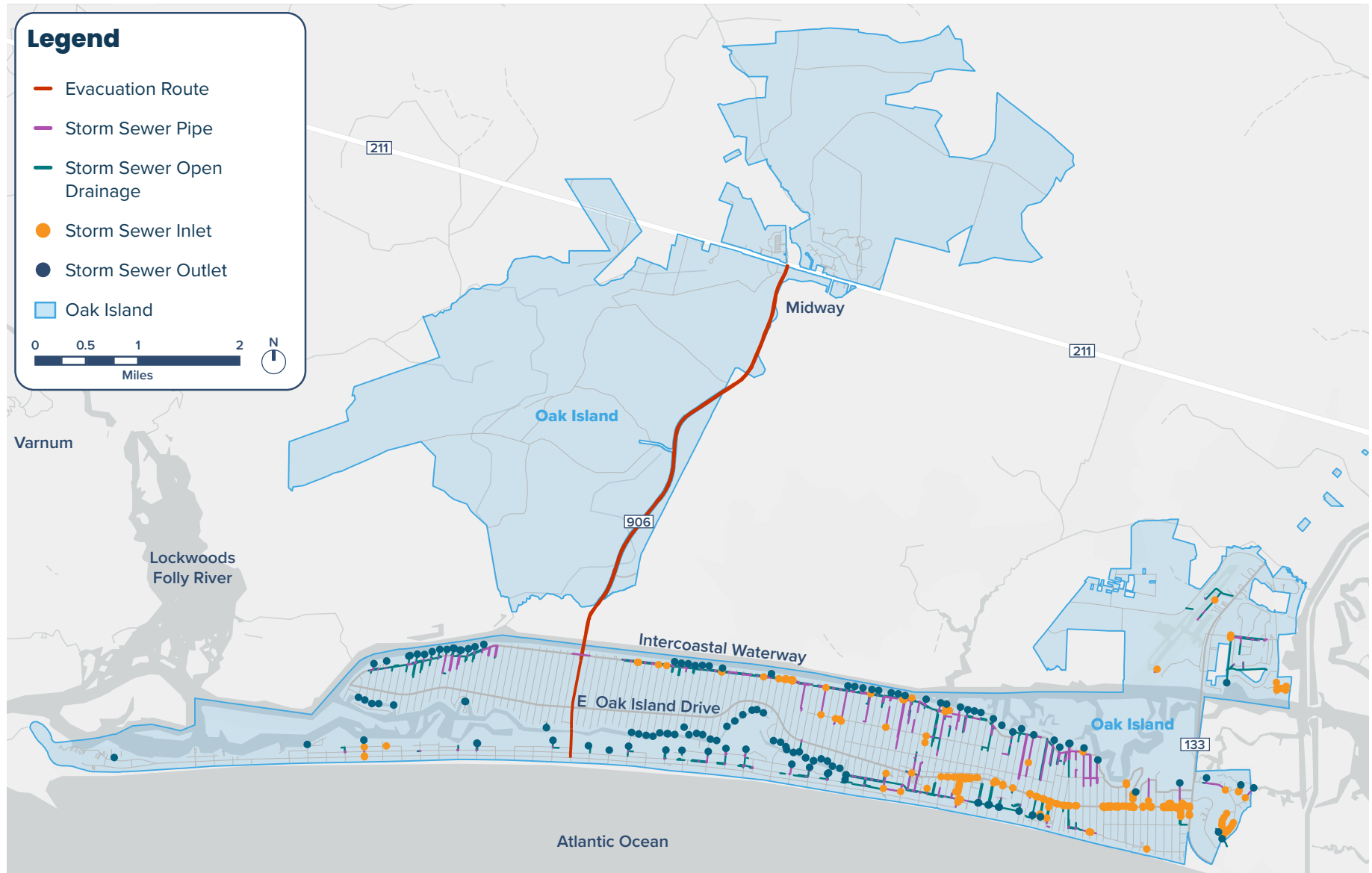
**Community
Government Service
Offices**

Health Services

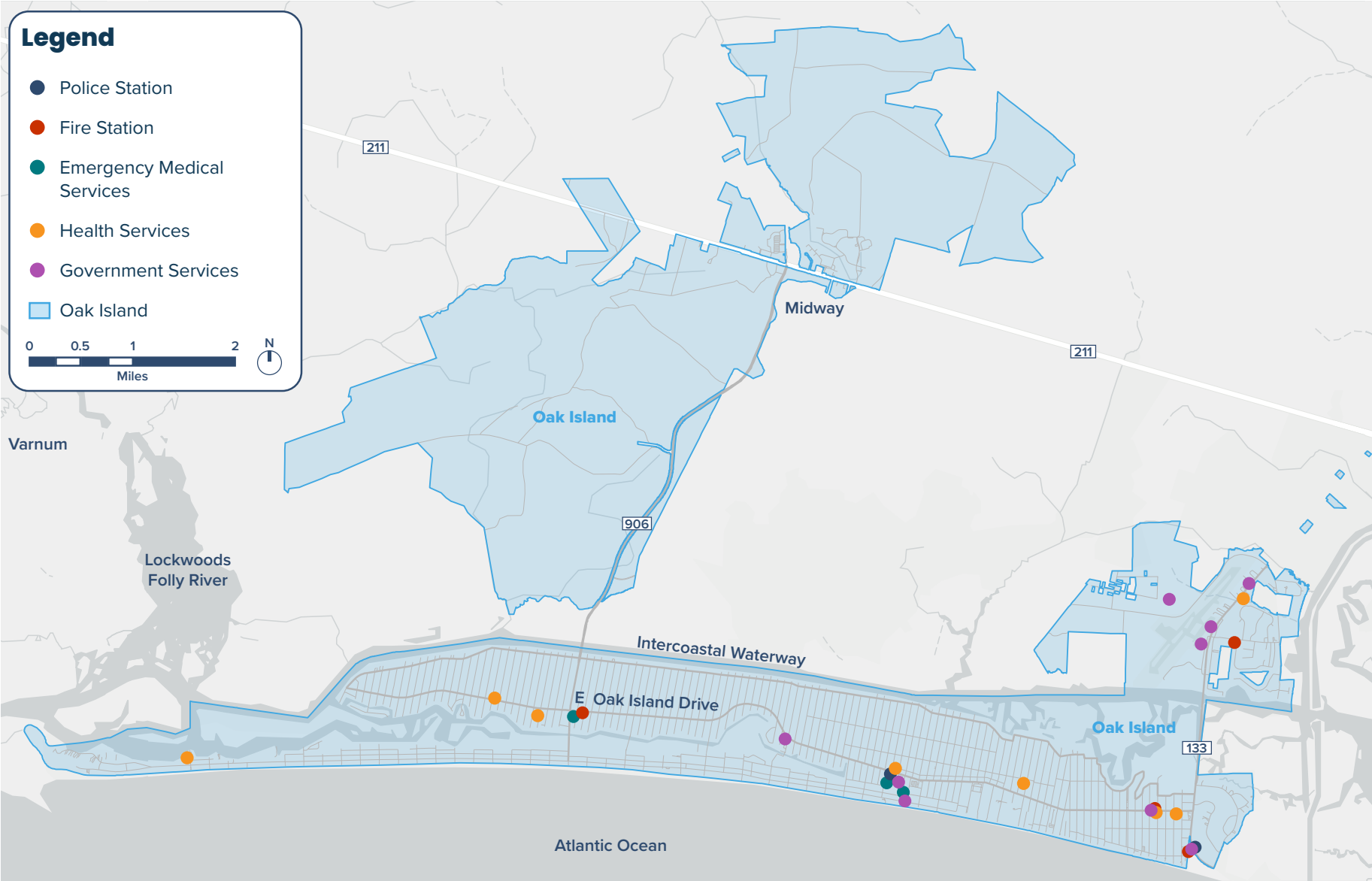
**Public Safety or
Emergency Services**

Natural Assets
(Natural Areas, Parks,
Open Spaces)

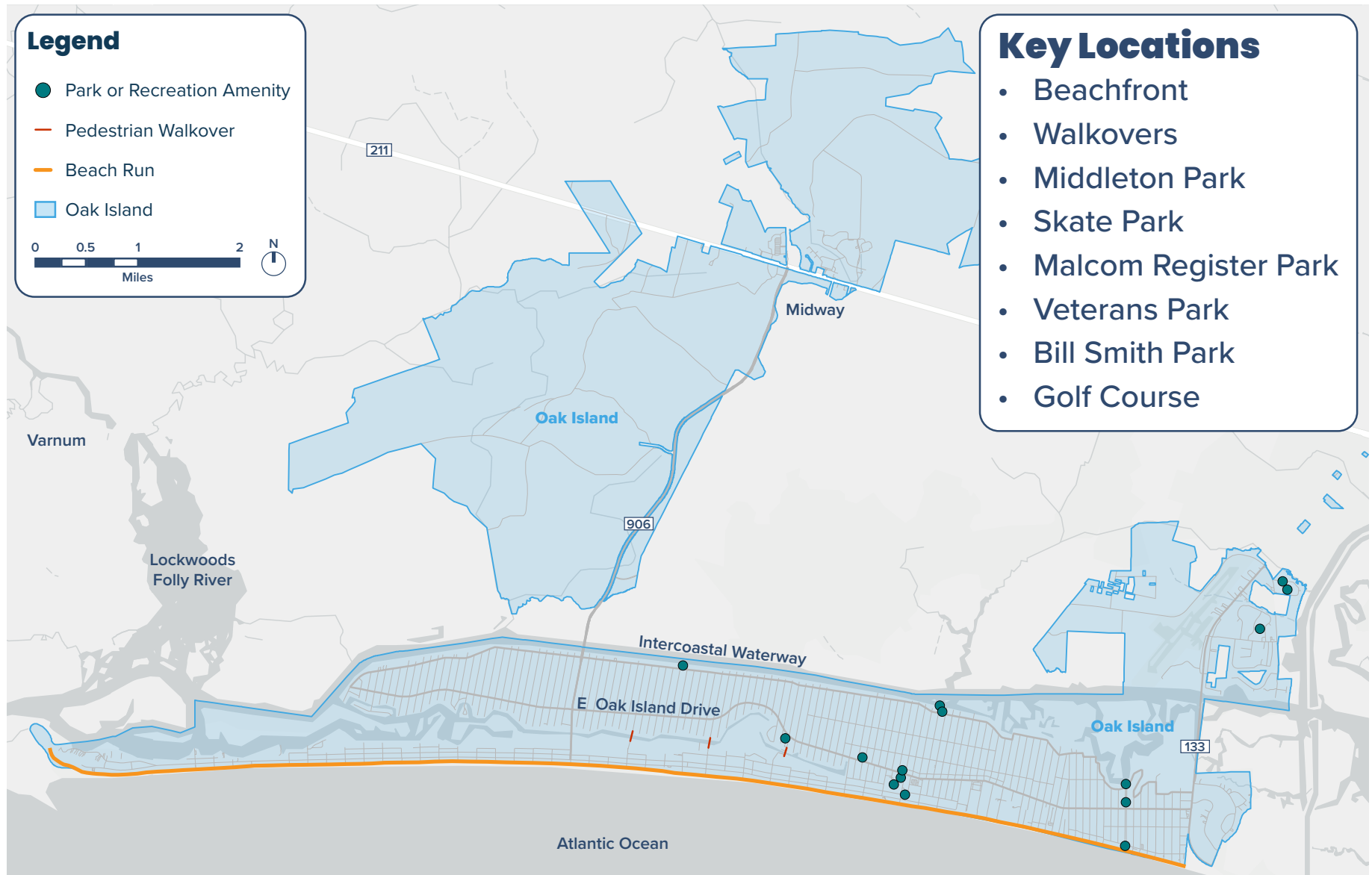
Critical Assets: Roads & Utilities



Critical Assets: Services



Critical Assets: Natural



Critical Assets

What additional critical assets should be included in the asset inventory?

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04

Next Steps

Next Steps

Short Term:

- Creating a Town Profile
- Risk Assessment
- Needs Assessment

Engagement:

- Monitor Interactive Map
- Monitor Community Survey
- Stakeholder Meetings
- CAT Meeting #3

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05

Questions

CAT Meeting #3

Town of Oak Island Coastal Resilience Strategy

Resilient Coastal Communities Program
Community Action Team (CAT) Meeting #3

August 25, 2026



Agenda

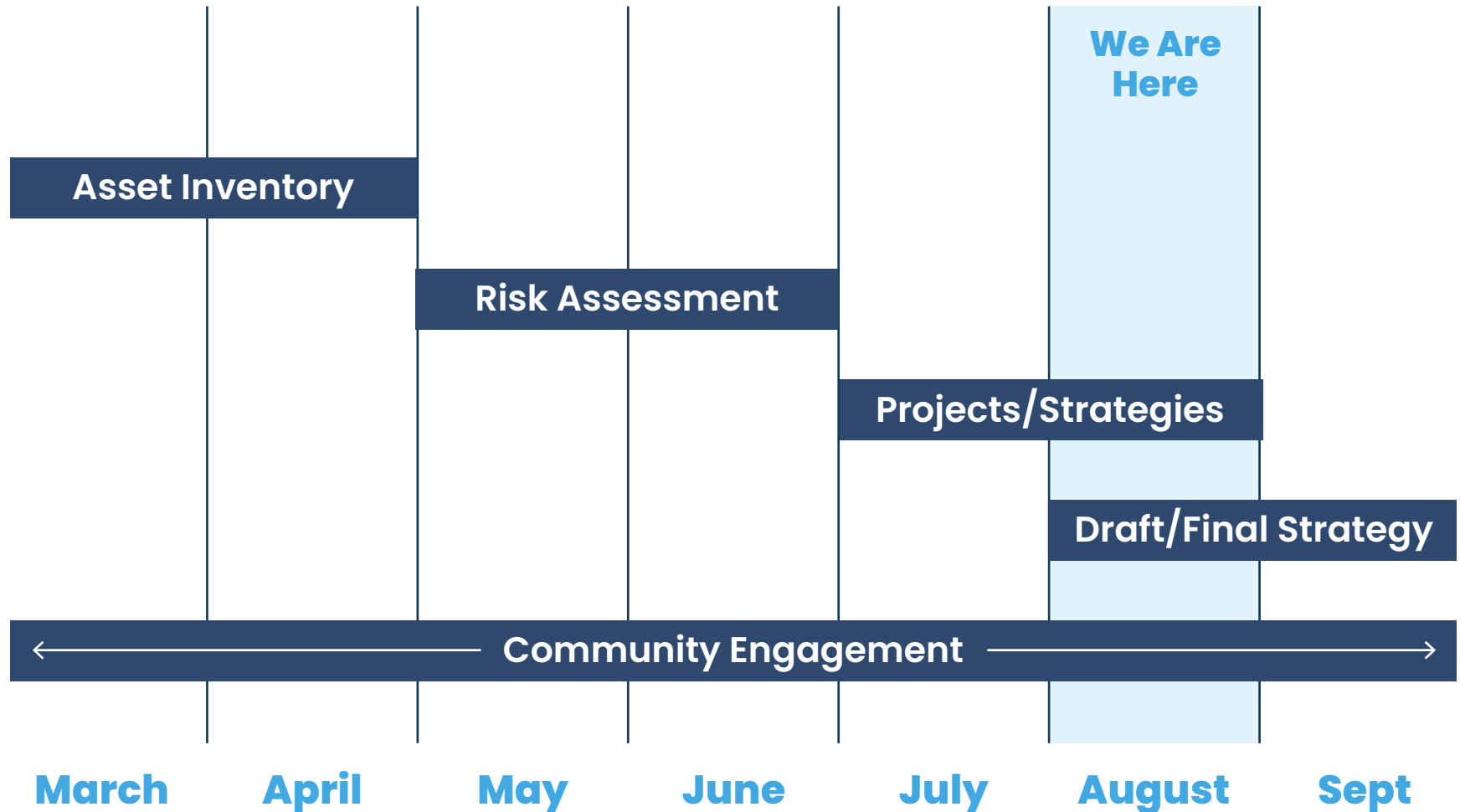
- 01 Project Status**
- 02 Community Engagement**
- 03 Risk Assessment**
- 04 Potential Projects & Group Activity**
- 05 Next Steps**

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01

Project Status

Project Timeline



Vision & Goals

Vision Statement

Oak Island will be a resilient coastal community that proactively anticipates, adapts to, and recovers swiftly from climate-related impacts. Through collaborative partnerships across all levels of government, community stakeholders, and residents, we will transparently evaluate the long-term sustainability of every policy, program, and project before implementation.

Together, we will build lasting resilience to flooding and coastal hazards by implementing efficient, impactful solutions that protect our community while preserving the character and environment of Oak Island.

Goals

Understand the impacts of climate change on Oak Island's systems

Take a holistic view of climate change and consider a range of climate impacts

Identify projects to build resilience to the impacts of climate change

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02

Community Engagement

Past Community Events

Pop-Up Events

Earth Day Festival

April 22, 2026

Pop-Up at The Point

May 1, 2026

Pop-Up at The Barbee Library

May 1, 2026

Seafood Festival

May 3, 2026

Public Meeting

Public Meeting #1

April 30, 2026

- Introduction to the project
- Establish a vision
- Identify resilience priorities

Project Website

www.OakIslandResilience.com



**Oak Island
Coastal Resilience
Strategy**

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Oak Island, North Carolina

Coastal Resilience Strategy

North Carolina Resilient Coastal Communities Program



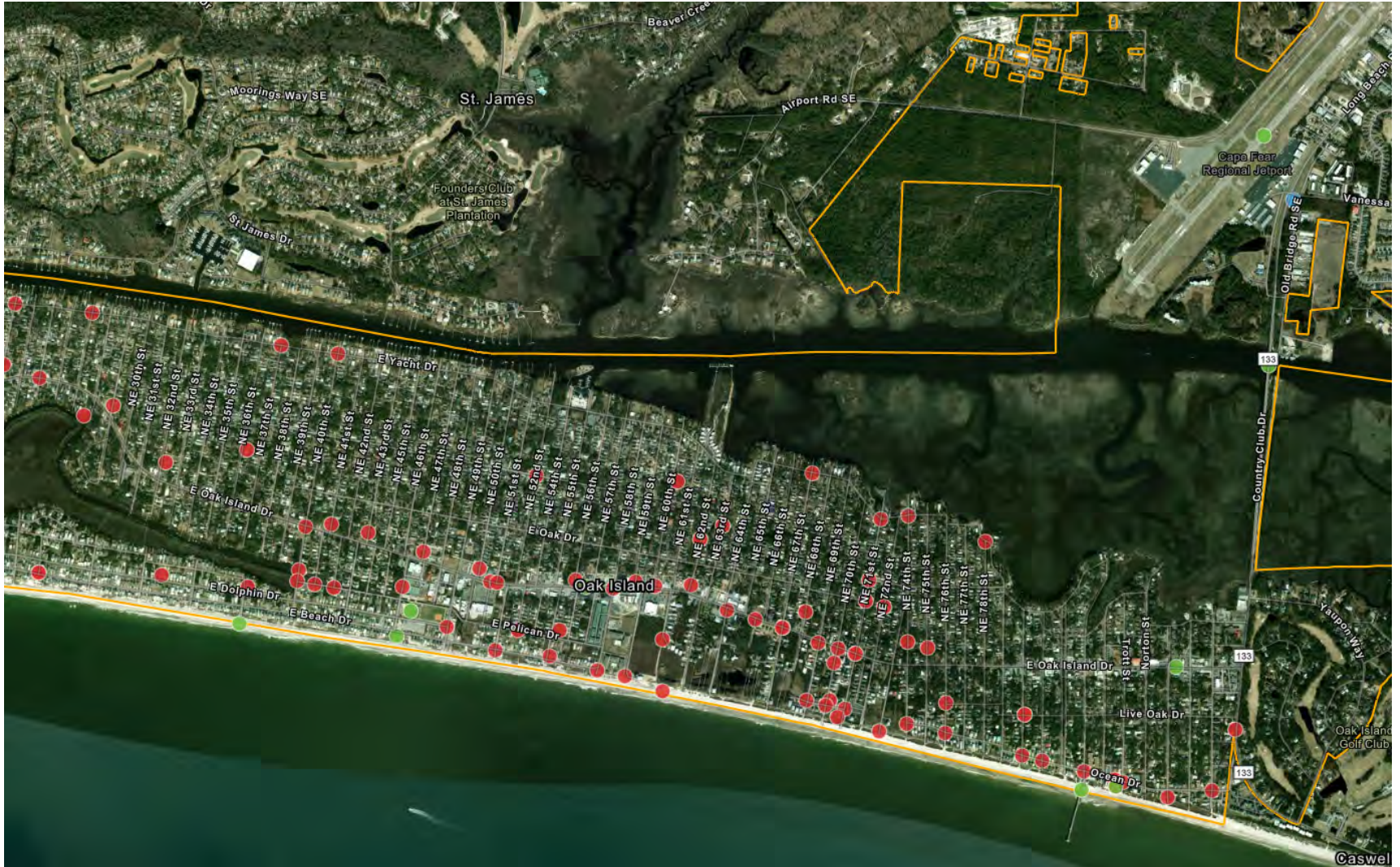
Community Survey



What we heard:

- Most participants are concerned about **flooding, storm surge, sea level rise, and marsh migration/degradation**
- **Electricity and cable/internet** are the top services typically lost in a hazard situation
- **Dune/beach restoration** and **forest/wetland preservation** are popular resilience solutions
- Most participants think **preservation of environmental assets and critical public services** is the greatest benefit of increased resilience

Interactive Map



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03

Risk Assessment

Critical Assets

Roads & Utilities

- Water towers
- Reuse towers
- Lift stations
- Vacuum stations
- Power station
- Bridges
- Evacuation Route
- Primary Roads

Services

- Fire Departments
- Police Department
- Water Rescue
- Recreation Center
- Town Offices
- Medical Center
- Senior Living
- Regional Jetport

Natural

- Waterways
- Beachfront
- Dunes
- Wetlands
- Tree Cover
- Parks
- Golf Courses
- Nature Center

Vulnerability

Exposure

Exposure refers to the presence of people, assets, and ecosystems in places where they could be adversely impacted by hazards



Sensitivity

Sensitivity is the degree to which an asset is potentially affected when exposed to an impact



Adaptive Capacity

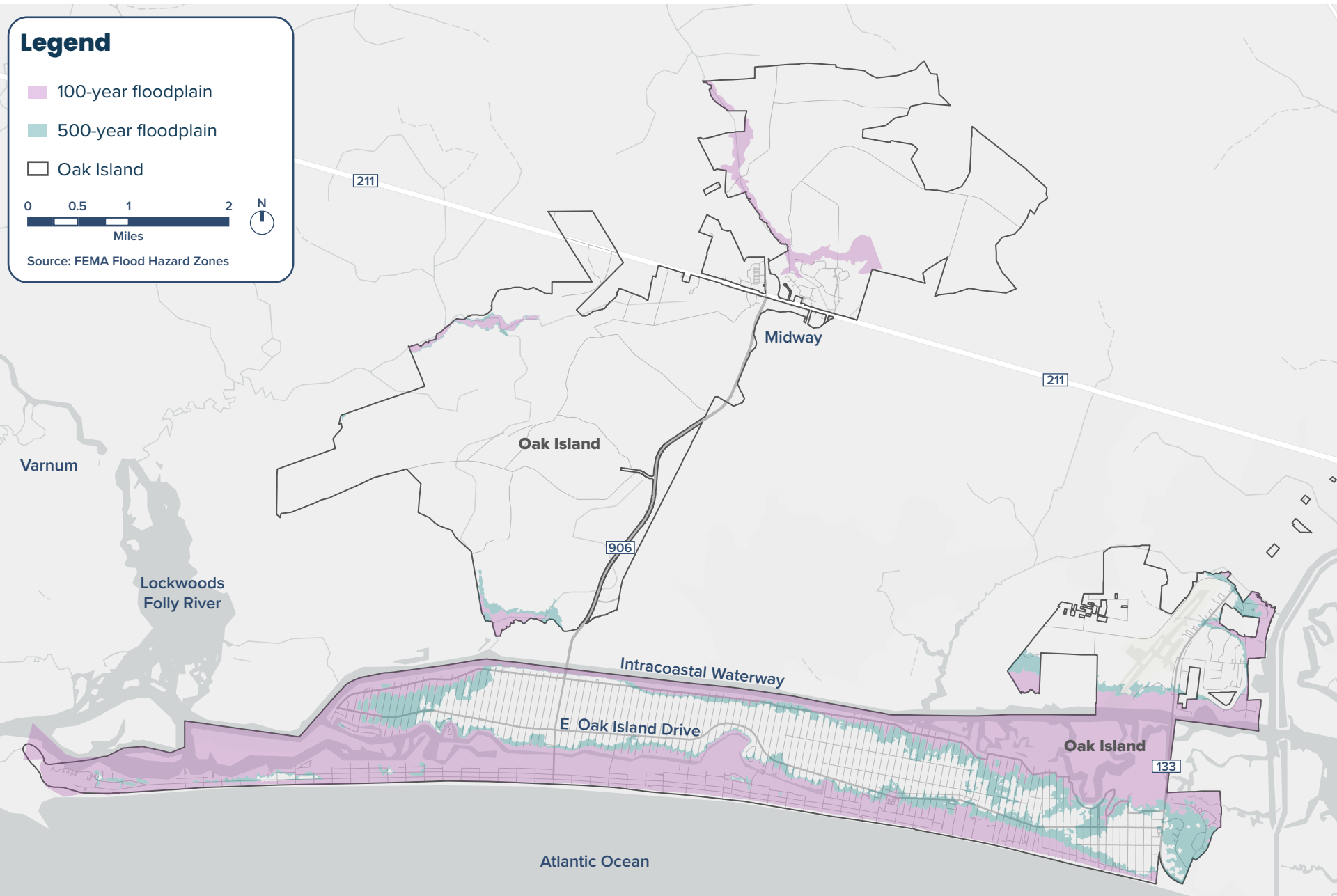
Adaptive capacity is the ability of the asset and/or population to adjust to potential impacts from hazards with minimal disruptions or cost



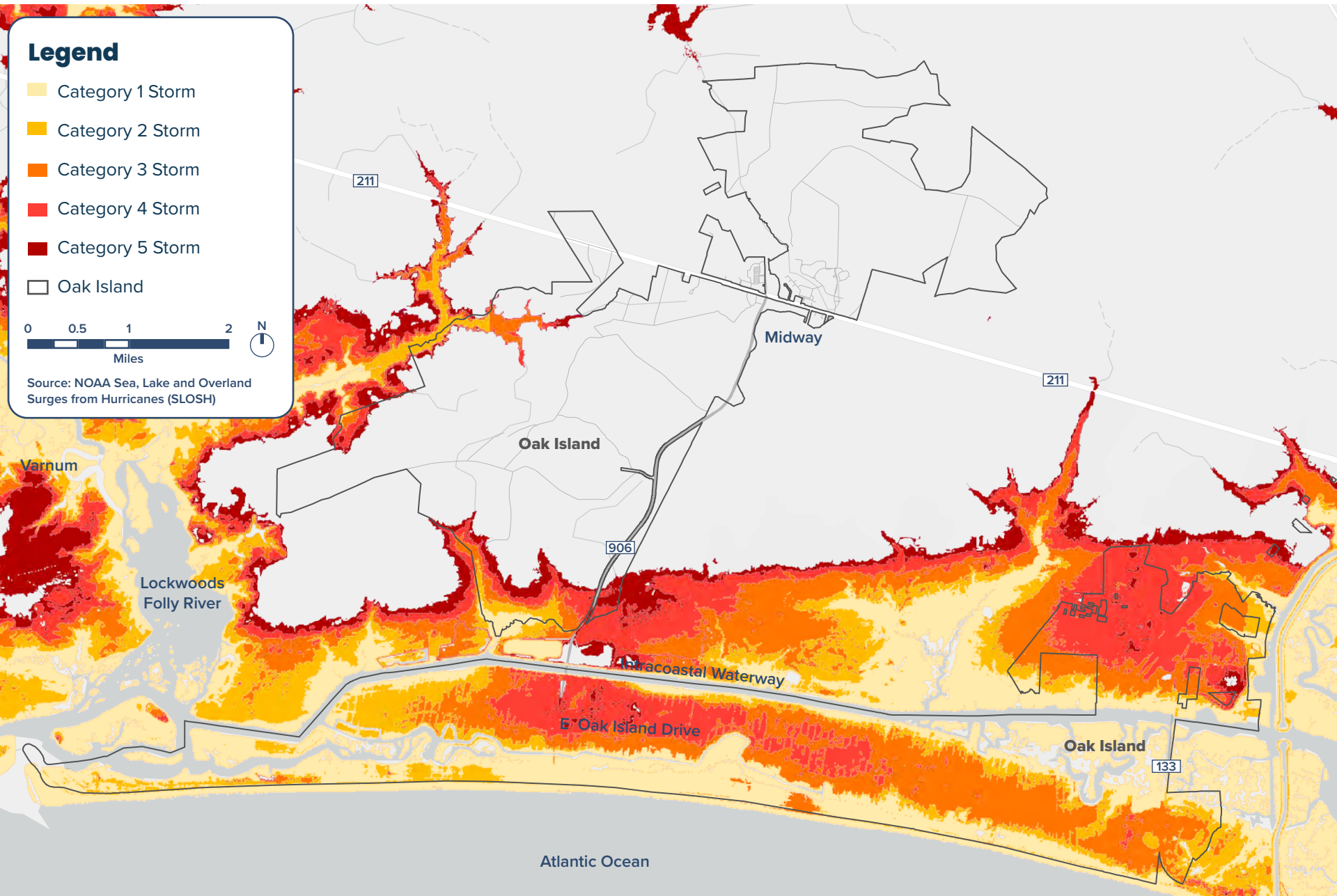
Vulnerability

Vulnerability refers to the susceptibility or predisposition of coastal systems and assets to be adversely affected by hazards like sea-level rise, erosion, and storms

Exposure: 100 YR / 500 YR Flooding



Exposure: Storm Surge



Exposure: Sea Level Rise

Legend

Sea Level Rise 1.5 FT

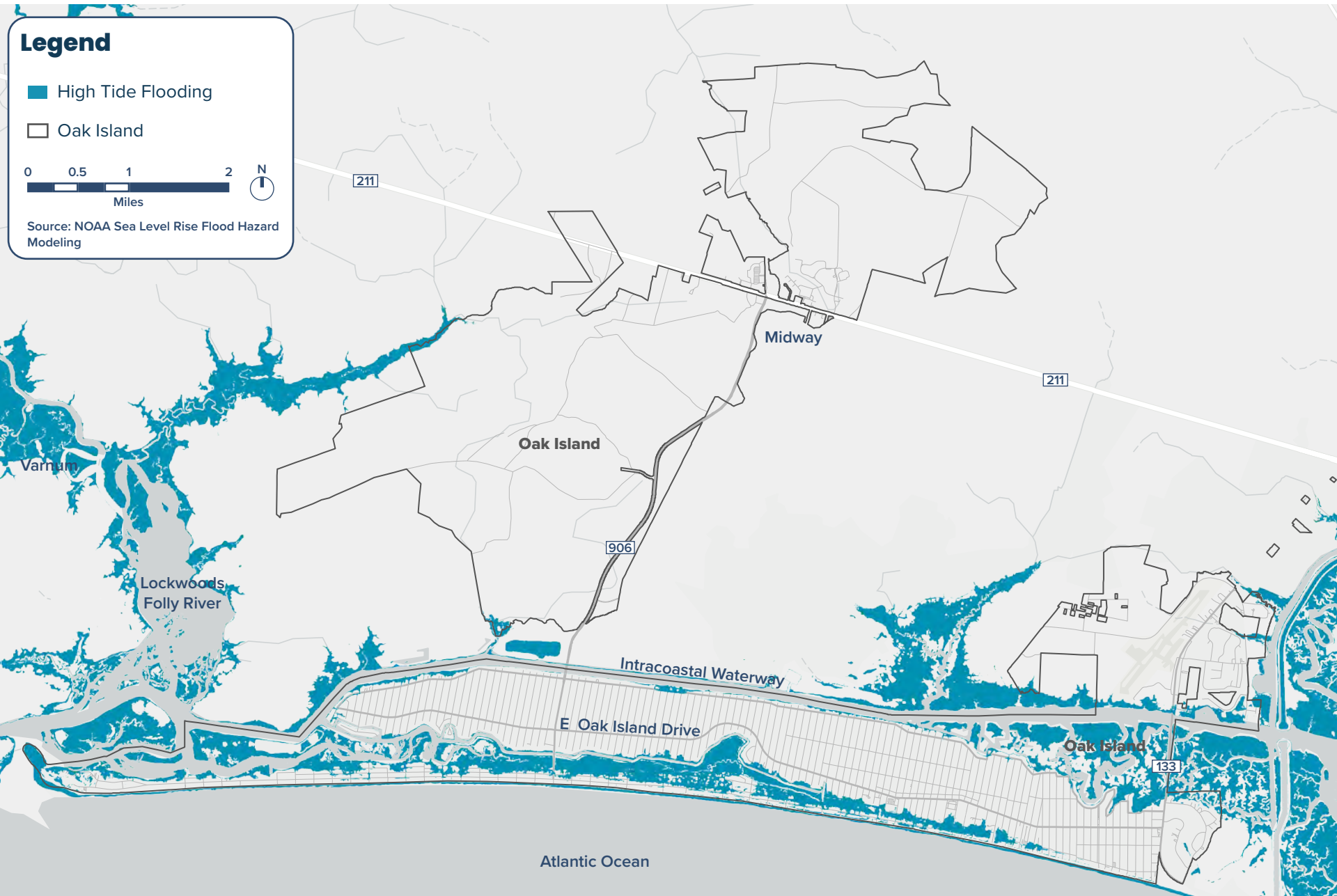
Oak Island



Source: NOAA Sea Level Rise



Exposure: High Tide Flooding



Asset Vulnerability

Moderate

- Beaches
- Dunes
- Wetlands
- Water Towers

Low

- Lift Stations
- Vacuum Stations
- Power Station
- Nuclear Plant
- Bridges
- Regional Jetport
- Emergency Services
- Medical Services

Minimal

- Nature Center
- Recreation Center
- Parks
- Golf Courses

Asset Vulnerability

Legend

- Minimal Vulnerability
- Low Vulnerability
- Moderate Vulnerability
- Oak Island



Any questions?

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04

Potential Projects

Project Organization

Project Category

**Shoreline
Actions**

**Infrastructure
Actions**

**Policy & Land-
Use Actions**

Anticipated Benefit

High
Moderate
Low

Estimated Cost

\$
(less than \$100K)

\$ \$
(100K - \$1M)

\$ \$ \$
(\$1M - \$5M)

\$ \$ \$ \$
(more than \$5M)

Estimated Timeframe

1-2 Years
3-4 Years
5+ Years

Beach Nourishment

Shoreline Action

Description

Add sand to eroding beaches to create a buffer against waves and flooding while improving recreational value



Benefit: High

Cost: \$\$\$\$

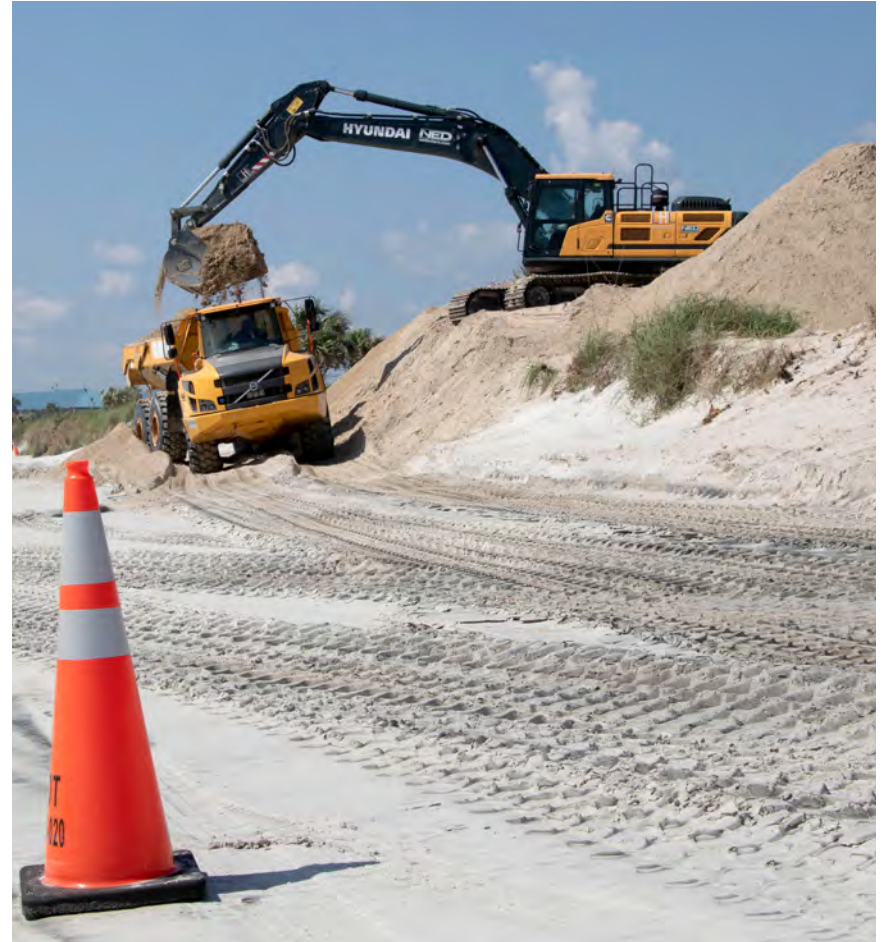
Timeframe: 3-4 Years

Dune Restoration

Shoreline Action

Description

Build up existing dunes or create artificial dunes by mounding sediment at the back of the beach



Benefit: High

Cost: \$\$\$

Timeframe: 3-4 Years

Install Jetties

Shoreline Action

Description

Construct jetties to trap sand and reduce beach erosion by interrupting long-shore sediment transport



Benefit: Moderate

Cost: \$\$\$\$

Timeframe: 5+ Years

Living Shoreline

Shoreline Action

Description

Naturally stabilize coastal edge, control erosion, and protect land from waves and storms



Benefit: Moderate

Cost: \$\$\$

Timeframe: 5+ Years

Shoreline Action Discussion

Critical Lift Station Generators

Infrastructure Action

Description

Outfit all critical lift stations with a permanent backup generator to continue system function during a power outage



Benefit: High

Cost: \$\$\$

Timeframe: 3-4 Years

Install Bulkheads

Infrastructure Action

Description

Construct bulkheads in areas that require protection from erosion and wave action



Benefit: Moderate

Cost: \$\$\$\$

Timeframe: 5+ Years

Open Drainage Maintenance

Infrastructure Action

Description

Improve stormwater facilities like ditches and storm drains

- Keep drainage ditches and storm drains free of debris
- Plant drainage ditches with native plants to improve water quality, minimize soil erosion, and support local wildlife while still managing excess runoff



Benefit: Moderate

Cost: \$\$ annually

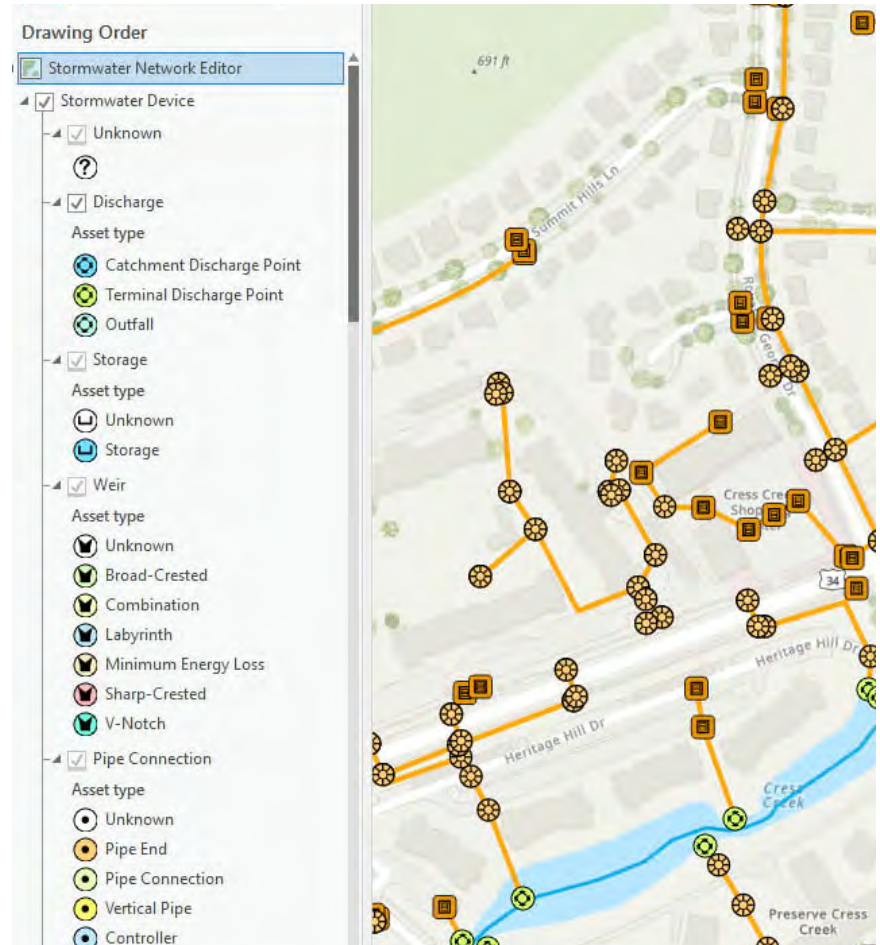
Timeframe: 1-2 Years

Stormwater Infrastructure Mapping

Infrastructure Action

Description

Map all stormwater infrastructure within the Town limits to determine service gaps and needs



Benefit: Moderate

Cost: \$\$

Timeframe: 1-2 Years

Infrastructure Action Discussion

Permeable Surfacing Incentives

Policy & Land-Use Action

Description

Provide financial rewards or credits to property owners who replace traditional hard surfaces with porous materials or green space



Benefit: Moderate

Cost: \$\$

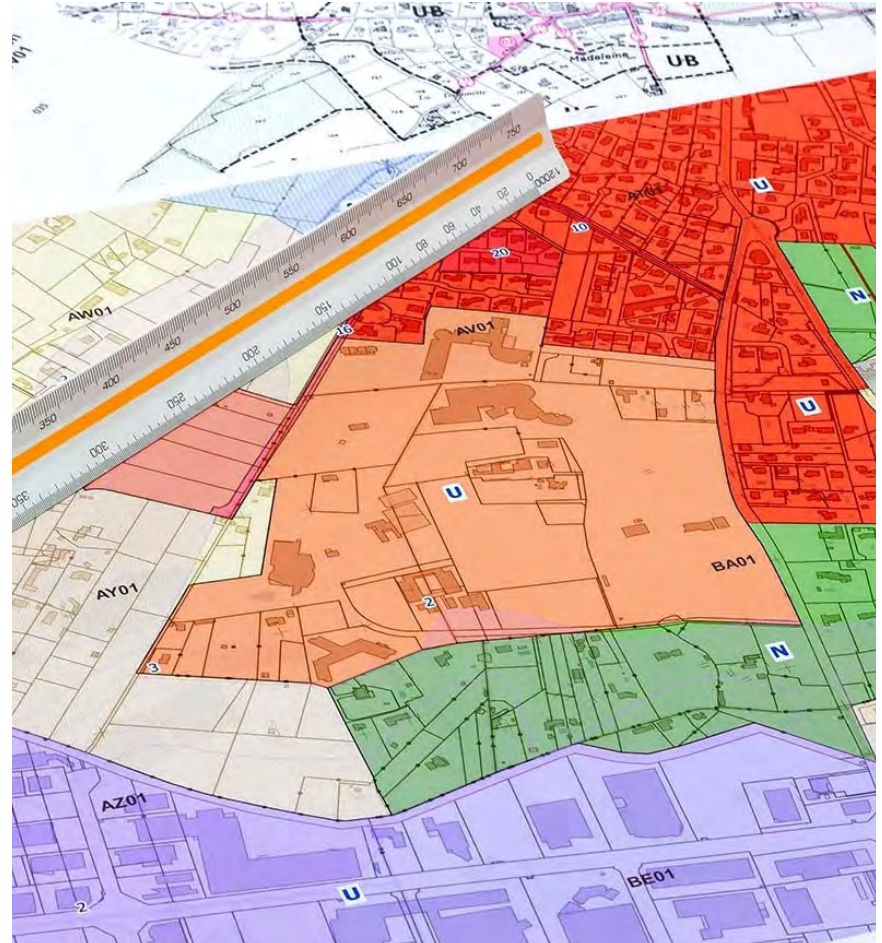
Timeframe: 3-4 Years

Land Use Regulations

Policy & Land-Use Action

Description

Review current land use regulations, ordinances, and plans to re-evaluate current standards and policies relating to coastal development and flood-impacted neighborhoods



Benefit: Moderate

Cost: \$

Timeframe: 1-2 Years

Native Tree Canopy Expansion

Policy & Land-Use Action

Description

Increase native tree cover and plant materials

- Build off the Tree Preservation Program
- Plant and protect native trees throughout the Town
- Continue to fund the Adopt-a-Tree program



Benefit: Low

Cost: \$\$\$

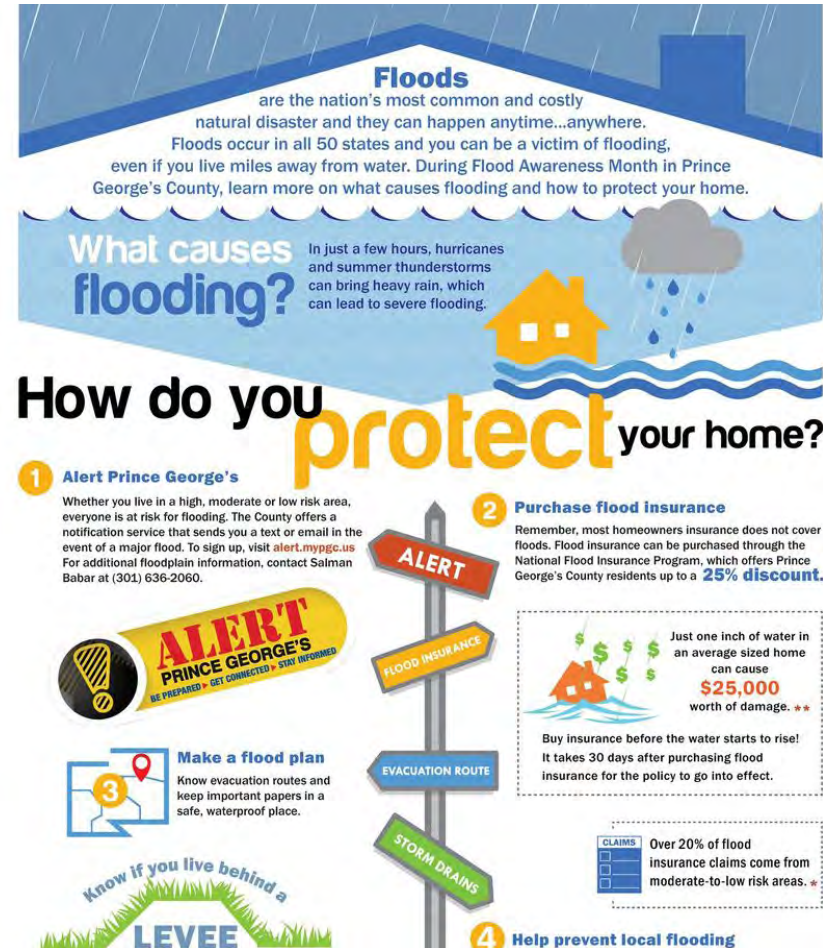
Timeframe: 1-2 Years

Environmental Education

Policy & Land-Use Action

Description

Provide educational materials to homeowners and business owners on what can be done to address flooding on private property



Benefit: Low

Cost: \$

Timeframe: 1-2 Years

Evacuation & Emergency Management

Policy & Land-Use Action

Description

Improve evacuation route signage and public emergency communication

- Routinely publicize evacuation routes and protocols
- Diversify emergency communication methods



Benefit: Low

Cost: \$

Timeframe: 1-2 Years

Policy & Land-Use Discussion

Projects by Benefit

High

- Beach Nourishment
- Dune Restoration
- Critical Lift Station Generators

Moderate

- Install Bulkheads
- Install Jetties
- Living Shoreline
- Open Drainage Maintenance
- Stormwater Infrastructure Mapping
- Permeable Surfacing Incentives
- Land Use Regulations

Low

- Native Tree Canopy Expansion
- Environmental Education
- Evacuation & Emergency Management

Projects by Cost

\$\$\$\$

more than \$5M

- Beach Nourishment
- Install Bulkheads
- Install Jetties

\$\$\$

\$1M - \$5M

- Dune Restoration
- Critical Lift Station Generators
- Living Shoreline
- Native Tree Canopy Expansion

\$\$

\$100K - \$1M

- Open Drainage Maintenance
- Stormwater Infrastructure Mapping
- Permeable Surfacing Incentives

\$

less than \$100K

- Land Use Regulations
- Environmental Education
- Evacuation & Emergency Management

Projects by Timeframe

1–2 Years

- Open Drainage Maintenance
- Stormwater Infrastructure Mapping
- Land Use Regulations
- Native Tree Canopy Expansion
- Environmental Education
- Evacuation & Emergency Management

3–4 Years

- Beach Nourishment
- Dune Restoration
- Critical Lift Station Generators
- Permeable Surfacing Incentives

5+ Years

- Install Bulkheads
- Install Jetties
- Living Shoreline

**Are there any other projects
that should be considered?**

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05

Next Steps

Next Steps

01 Project Selection

02 Draft Strategy

03 CAT Meeting #4

04 Public Meeting #2

Project	Priority		
	High	Med	Low
Beach Nourishment	4	5	0
Dune Restoration	8	0	0
Living Shorelines	6	3	0
Lift Station Generators	0	0	8
Install Bulkheads	2	4	2
Open Drainage Maintenance	5	2	0
Stormwater Infrastructure Mapping	1	5	2
Permeable Surfacing Incentives	0	2	5
Land Use Regulations	6	2	0
Native Tree Canopy Expansion	0	2	6
Environmental Education	2	5	1
Evacuation & Emergency Management	5	2	0
Install Jetties	Remove from list - illegal in NC		
Street Elevation	Consider Adding to the List		
Total # of Projects in each Priority Level	5	4	3

Appendix C

Project Website Content



Our interactive map is now live. [Click here to participate!](#)



Oak Island, North Carolina

Coastal Resilience Strategy

North Carolina Resilient Coastal
Communities Program

Sign up to receive occasional project updates!

Email *

e.g., email@example.com

Join

☐ I want to subscribe to your mailing list for occasional project updates.

ABOUT

[Learn more about the Oak Island
Coastal Resiliency Plan!](#)

GET ENGAGED

[Learn more about upcoming events
and other ways to get involved in
the planning process](#)

CONTACT US

[Get in touch!](#)

About the Project

The Town of Oak Island is participating in the **North Carolina Resilient Coastal Communities Program (RCCP)**, a state initiative administered by the Division of Coastal Management that helps coastal communities build resilience to climate-related hazards. Through this program, Oak Island is working with technical assistance providers to assess vulnerabilities to risks such as sea level rise, coastal storms, shoreline erosion, and storm surge, and to develop a **Coastal Resiliency Strategy** tailored to the community's specific needs. The resulting strategy will identify prioritized policies, programs, and projects designed to protect residents, visitors, and critical infrastructure — helping Oak Island adapt to the impacts of climate change and ensure the long-term sustainability of the community.



Phase 4

Project Implementation

Communities implement 'shovel-ready' projects, leveraging RCCP support and external funding to build long-term coastal resilience.



The Town of Oak Island received funding for Phases 1 & 2.

NC RCCP Program Overview

56

Communities
Engaged

89

Grants Awarded

\$15,732,730

Funds Distributed

[Learn more about RCCP](#) >

What is Resilience?

What is Resilience?

Resilience is the ability to prepare for challenges, handle difficult situations, and recover quickly after a disaster or major change. A resilient community can adapt to changing conditions and continue moving forward after storms, flooding, or other emergencies. Resilience applies to people, homes, roads, businesses, natural areas, and entire communities.

What is Coastal Resilience?

Coastal resilience is a community's ability to protect itself from coastal hazards such as hurricanes, flooding, erosion, and severe storms. It includes the strength of natural areas, infrastructure, local businesses, emergency services, and the people who live there. A resilient coastal community can recover more quickly and adapt to future challenges while maintaining a safe, healthy, and high-quality place to live and visit.

Benefits of Resilience

- **Protection of homes,** businesses, and community infrastructure
- **Protection of the Atlantic** Ocean and its plant, animal, and marine life
- **Protection of beaches,** wetlands, and coastal attractions
- **Proactive preparation** for future natural disturbances
- **Local capacity building** and local collaboration at multiple scales

Call to Action

Everyone has a role in building a stronger and more resilient Oak Island. By supporting smart planning, protecting natural resources, preparing for storms, and investing in resilient infrastructure, we can help protect our homes, environment, and way of life for future generations. Together, we can make Oak Island safer, stronger, and better prepared for the future.

Why Resilience Matters

The Town of Oak Island is surrounded by water, making it highly vulnerable to the risks associated with climate change, including rising sea levels, coastal storms, shoreline erosion, strong winds, and storm surges. In addition to the Town's beautiful coastline, several waterways run through and around Oak Island, draining into the Atlantic Ocean. Vulnerable areas in the Town are residential beach neighborhoods, marinas, commercial corridors, and important town facilities including roads, fire departments, emergency services, and other critical services. This Coastal Resiliency Strategy will provide the Town of Oak Island with an understanding of the risks posed by climate change and rising sea levels. Based on this understanding of future risks, new policies, programs, and projects will be proactively identified to ensure the long-term sustainability and well-being of the community and the surrounding region

The Survey

Community Survey

A community survey was made available to help the project team understand what environmental stressors or disturbances are most prevalent in Oak Island and how coastal hazard events impact the community.

[Click here to see the survey results!](#)

Project Feedback Survey

Can't make the open house? Participate in this survey to share your input on project prioritization. [Click here for the survey.](#)

Interactive Map

Interactive Map

This interactive map is an opportunity for you to provide feedback to the Project Team on local assets, issues, and opportunities as they relate to resilience. **Let your voice be heard!**

Place a pin on the map of Oak Island to identify the following attributes of the Town as they relate to coastal resilience:

1. **Assets:** What resources does the Town have to make it an attractive place to live, work, or invest?
2. **Issues:** Where are the problem areas for flooding, erosion, and other hazards? What are your current and future concerns?
3. **Opportunities:** Where do you see opportunities for increased coastal resilience in the Town?

Additional instructions can be found on the righthand side of the map window.

[Click here to view the map in a new window.](#)

[Need help? Click here for some step-by-step instructions!](#)

Town of Oak Island RCCP Community Input Map

Find address or place

Assets: What resources does the Town have to make it an attractive place to live, work, or invest?

Issues: Where are the problem areas for flooding, erosion, and other hazards?

Editor

Settings

Edit features

Select

Create features

Filter types

Asset

INSTRUCTIONS!

To Place a Pin:

1. Click "New Feature" under asset, issue, or opportunity above.
2. Click a location on the map that you would like to comment on.
3. Type your comment into the box. Your name and email are optional.
4. **Optional:** Attach an image to support

NC, CGIA, Earthstar Geographics | State of North Carolina DOT, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NA... Powered by Esri

Project Updates

Past Events

Open House

September 16, 2026 | Oak Island Town Hall Council Chambers

Pop-Up Event: Seafood Festival

May 2, 2026 | Middleton Park Complex

Pop-Up Event: Earth Day Festival

April 22, 2026 | Middleton Park Complex

Public Workshop #1

April 30, 2026 | Oak Island Town Hall Council Chambers

Related Documents

A variety of recent studies and ongoing initiatives created the framework for this project.

01. Comprehensive Land Use Plan Update (2025)

02. NC Climate Risk Assessment and Resilience Plan (2020)

03. Southeastern NC Regional Hazard Mitigation Plan (2021)

04. NC 211 East Coast Greenway Feasibility Study (2021)

05. Parks, Recreation and Open Space Master Plan DRAFT (2026–2031)

06. South Eastern North Carolina Regional Hazard Mitigation Plan (2021)

Contact Us

Have any questions or comments about the project? Want to share any ideas or feedback? Let us know by using the form below!

Sign up to receive occasional project updates!

Email *

e.g., email@example.com

Join

☐ I want to subscribe to your mailing list for occasional project updates.

Contact Form

First & Last Name *

Email *

Write a Message

☐

I'm not a robot



reCAPTCHA

Submit

Appendix D

Public Meetings

Public Meeting #1

Town of Oak Island Coastal Resilience Strategy

Resilient Coastal Communities Program
Public Meeting #1

April 30, 2026



Agenda

- 01 Project Purpose**
- 02 Roles & Responsibilities**
- 03 Scope & Schedule**
- 04 Community Engagement**
- 05 Next Steps**
- 06 Questions**
- 07 Visioning**

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01

Project Purpose

Resilient Coastal Communities Program

Overview

- Provides financial and technical assistance to help coastal counties assess vulnerabilities, set resilience goals, evaluate their capacity, and develop prioritized, shovel-ready projects tailored to their specific risks
- **Phase 1: Community and Risk & Vulnerability Assessment**
- **Phase 2: Planning, Project Selection, and Prioritization**
- Phase 3: Engineering & Design
- Phase 4: Project Implementation

NC RCCP Program Overview

56

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89

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Project Goals

Understand the impacts of climate change on Oak Island's systems

Take a holistic view of climate change and consider a range of climate impacts

Identify projects to build resilience to the impacts of climate change



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02

Roles & Responsibilities

The Project Team

Town of Oak Island

- Manage and guide project
- Identify key stakeholders
- Support public engagement
- Review project deliverables
- Facilitate strategy implementation

Resilient Coastal Communities Program (RCCP)

- Funding agency
- Advisory role
- Technical support
- Ensure alignment with state priorities
- Review and approve project deliverables

Jennifer Fickler, Coastal Resiliency Specialist, Division of Coastal Management, DEQ

Consultant Team

- Provide technical support / expertise
- Develop tools to support the project
- Produce all project deliverables
- Facilitate and conduct community engagement

→ *with a lot of support from...*

Community Action Team
Stakeholders
Public

The Consultant Team



Engineering
& Design

Kara Drane, FAICP
Project Manager

Bridget Snover, RLA
Project Support

Ian Walczak, PE, CST
Project Support

Overview

- Interdisciplinary firm with experience developing resilience strategies and implementing resilience projects
- Community engagement specialists
- Vulnerability assessment and project development
- Develop Resilience Strategy

Community Action Team (CAT)

Responsibilities

- Oversee and guide the planning process
- Meet regularly throughout the project
5 total meetings
- Review all draft deliverables
- Provide direction and assistance with public outreach

CAT Members

Mike Sprayberry (CAT Champion)

Bill Millard

Chris Brown

Kent Jackson

Lee Price

Margaret Johnson

Margaret Mendez

Mark Dolak

Scott Thornall

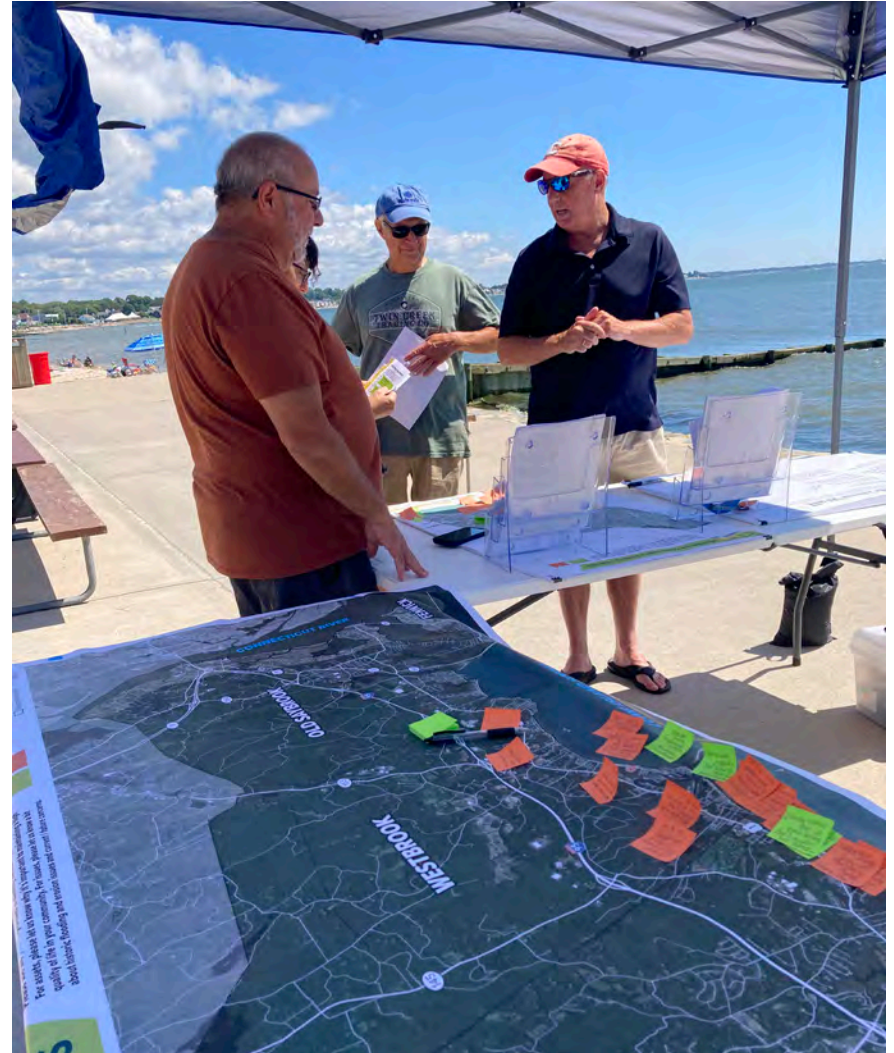
Sue Stewart

Taylor Davis

Stakeholders & the Public

Responsibilities

- Contribute to and vet community asset mapping
- Provide feedback on issues and opportunities
- Assist with project identification and prioritization
- Provide input on draft Resilience Strategy



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03

Scope & Schedule

Scope of Work

Building on existing related plans and initiatives, this project will:

establish a **Community Resilience Vision** to guide the planning process



develop an **Asset Inventory** collaboratively w/ Oak Island and the public



conduct a **Risk Assessment** to identify vulnerable assets, with a focus on flood risk



identify **Projects & Strategies** to increase community resilience to climate change

Project Timeline

March Introduction to project and group visioning

April CAT Asset Inventory Review

May CAT Risk Assessment Review

July CAT Proposed Projects and Strategies Review

August CAT Draft Strategy Review
Public Draft Strategy Review

September Submission of Final Resilience Strategy

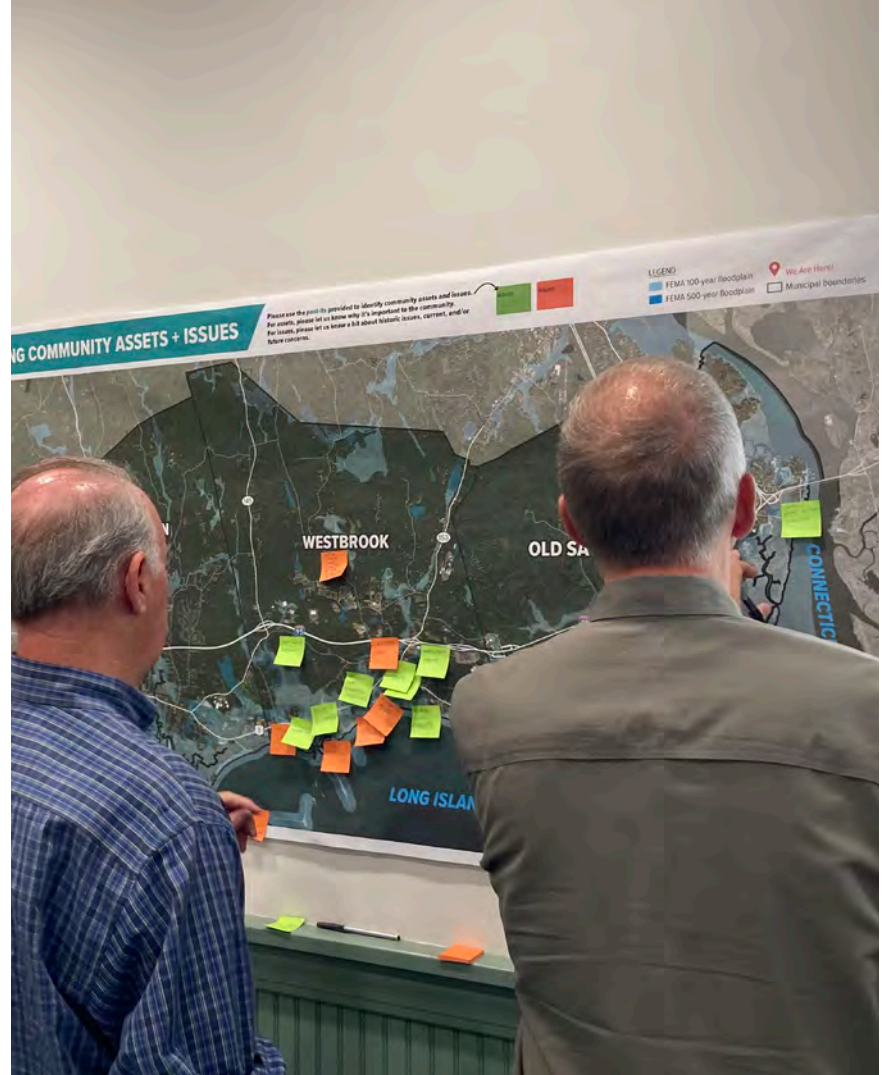
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04

Community Engagement

Purpose

- Shape the Strategy's vision and goals
- Provide feedback on community assets and vulnerability
- Prioritize resilience strategies and projects



Community Engagement Strategy

5

**Community Action
Team Meetings**

2

Pop-Up Events

2

Public Meetings

**Stakeholder
Discussions**

Project Website

Interactive Map

Pop-Up Events

Pop-up events are hosted at events where the community is already going to be. **So we come to you!**

Past Event

Earth Day Festival

April 22, 2026



Upcoming Events

Cabana Pop-Up

May 1, 2026

Seafood Festival

May 3, 2026



Public Meetings

Public meetings are a great opportunity for the public to learn more about the project and share their feedback with the project team. **So we come to you!**

Public Meeting #1

Establish a vision, gather feedback on assets and risks, and identify resilience priorities.



Public Meeting #2

Gather feedback on the draft Strategy and priority projects.



Project Website

www.OakIslandResilience.com



**Oak Island
Coastal Resilience
Strategy**

[Home](#) [About](#) [Get Engaged](#) [Project Deliverables](#) [Contact](#)

Oak Island, North Carolina

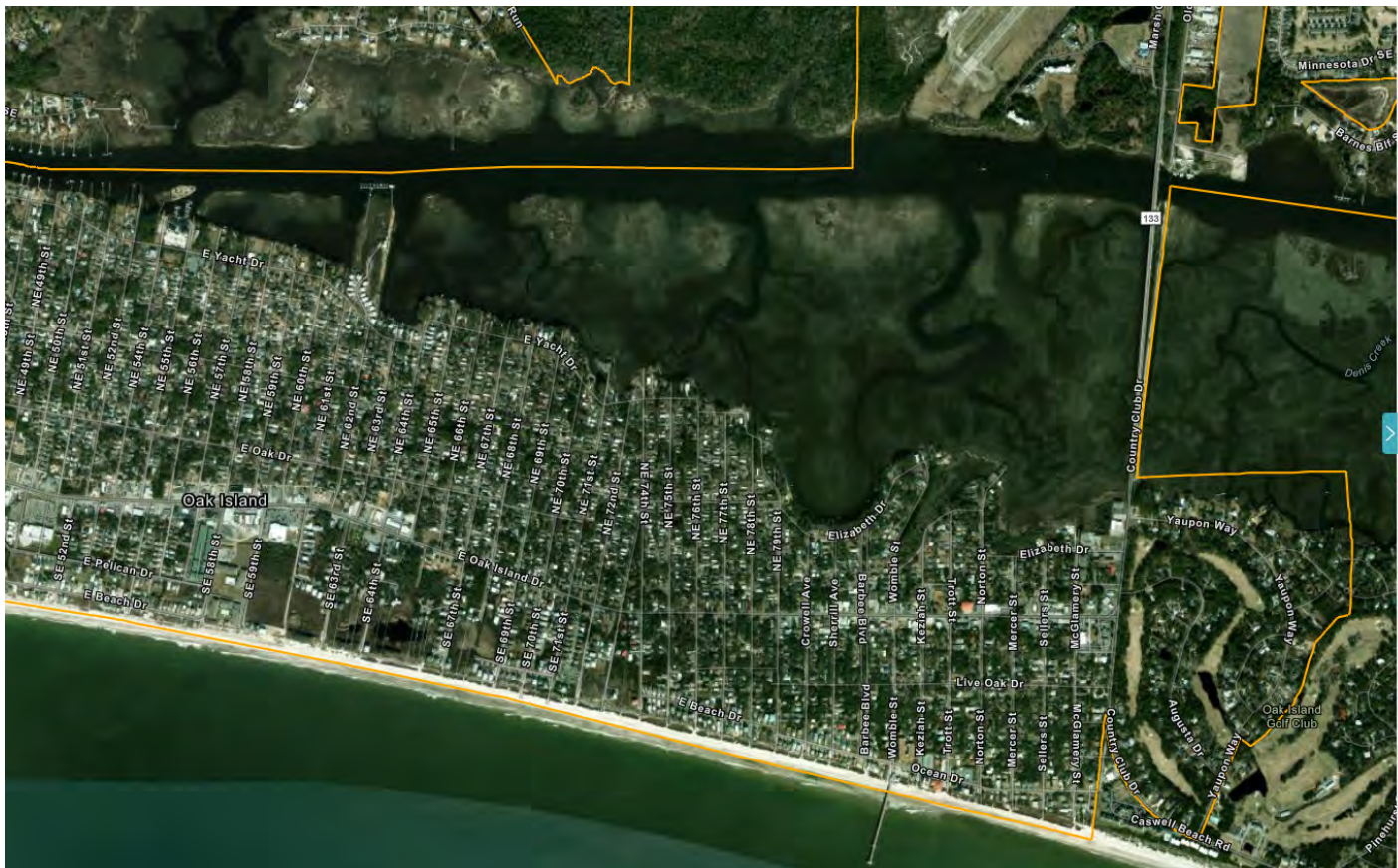
Coastal Resilience Strategy

North Carolina Resilient Coastal Communities Program



Interactive Map

Access the interactive map through the project website!



Create features

Filter types

Asset

- New Feature

Issue

- New Feature

Opportunity

- New Feature

INSTRUCTIONS!

To Place a Pin:

1. Click "New Feature" under asset, issue, or opportunity above.
2. Click a location on the map that you would like to comment on.
3. Type your comment into the box. Your name and email are optional.
4. **Optional:** Attach an image to support your comment.
5. Click "Create" to share your comment with the community.

If you have any questions concerning how to navigate this page, please contact Bridget Snover at bridget.snover@collierseng.com.

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05

Next Steps

Next Steps

1 Stakeholder Discussions

2 Continued Public Outreach

3 Asset & Risk Analysis

4 Project Development

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06

Questions

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07 **Visioning**

Visioning Question 1

**Which environmental stressors
are you most concerned about
now and in the future?**

Visioning Question 2

In one word or phrase, what is Oak Island's greatest asset that should be preserved in the future?

Visioning Question 3

In one word or phrase, how would you like to describe Oak Island in 50 years?

Visioning Question 4

What do you see as the greatest challenge to achieving your vision?

Visioning Question 5

What project would you like to see implemented to increase Oak Island's resilience and achieve your vision?

Town of Oak Island Coastal Resilience Strategy Public Meeting #1 – April 30, 2026

Vision Question 1: Which environmental stressors are you most concerned about now and in the future?

- Hurricanes
- Overdevelopment
- Sea level rise
- Aging infrastructure
- Drinking water pollution
- Climate impact – energy generation
- Dune protection
- Flooding / water surge
- Water availability
- Pump station vulnerability
- Stormwater runoff
- Wetland destruction
- Wave action on intracoastal
- Nuclear plant proximity
- No urgent care on Island
- PFAS and derivative contamination in ocean, river, streams and drinking water
- Burning pollution air
- Changes in weather patterns
- Rising sea level
- Industrial pollution
- Beach erosion causing flooding

Visioning Question 2: In one word or phrase, what is Oak Island's greatest asset that should be preserved in the future?

- Neighborhood atmosphere
- Trees
- Our clean beaches
- Shoreline protection
- Trees
- Tree canopy
- Environmentally sound
- Ecofriendly and family oriented policies attract quality tourist which fuels economy

Visioning Question 3: In one word or phrase, how would you like to describe Oak Island in 50 years?

- Environmentally sound
- At it was (but better)
- Livable, environmentally friendly community
- Not overbuilt
- Most admired beach community
- Still here!
- Similar feeling but updated with the times
- Barely changed from how it is now (topographically)

Visioning Question 4: What do you see as the greatest challenge to achieving your vision?

- Regulatory authority – changing population and vision
- Apathy
- Changing weather patterns
- Development stimulated by influx of new residents
- Overdevelopment and tree devastation / destruction
- Overdevelopment and the wrong development
- Town leaving green spaces for our small island

Visioning Question 5: What project would you like to see implemented to increase Oak Island's resilience and achieve your vision?

- Community involvement
- Pedestrian safety
- USACE – Federal Beach Designation
- Some mitigation methodology that will minimize flooding
- Increase freeboard to 2 feet or higher – floodplain management
- Stormwater and facility management, fiscal and regulatory support
- Comprehensive stormwater management
- Upgrade infrastructure, pedestrian and vehicle traffic

Public Meeting #2 (Open House)

Oak Island Resilience Strategy Open House

Open House Instructions

Resilience Strategy Purpose

This strategy is being conducted through the Resilient Coastal Communities Program (RCCP). The RCCP provides financial and technical assistance to help coastal counties assess vulnerabilities, set resilience goals, evaluate their capacity, and develop prioritized, shovel-ready projects tailored to their specific risks.

Open House Purpose

The project team worked closely with the Community Action Team (CAT) to identify projects that will help Oak Island prepare for, withstand, and recover from coastal hazards. We invite community members to share their input on which projects should be prioritized and which can be implemented in the future.

For more information, visit the project website:

www.OakIslandResilience.com

1

Grab a marker

2

Visit each of the boards around the room

3

For each project, place a ✓ under the priority level you believe is most appropriate:

High priority = this project should move forward first

Medium priority = this project is important but not immediate

Low priority = this project is valuable but less urgent or more challenging

Beach Nourishment

Benefit: High

Cost: more than \$5M

Timeframe: 3-4 Years

Description

Add sand to eroding beaches to create a buffer against waves and flooding while improving recreational value



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Dune Restoration

Benefit: High

Cost: \$1M - \$5M

Timeframe: 3-4 Years

Description

Build up existing dunes or create artificial dunes by mounding sediment at the back of the beach



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Living Shoreline

Benefit: Moderate

Cost: \$1M - \$5M

Timeframe: 1-3 Years

Description

Naturally stabilize the coastal edge, control erosion, and protect land from waves and storms



Potential Location

The Point
Intracoastal Waterway

How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Install Bulkheads

Benefit: Moderate

Cost: more than \$5M

Timeframe: 5+ Years

Description

Construct bulkheads in areas that require protection from erosion and wave action



Potential Location

Street ends along the
Intracoastal Waterway

How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Open Drainage Maintenance

Benefit: Moderate

Cost: \$100K - \$1M annually

Timeframe: 1-2 Years

Description

Improve stormwater facilities like ditches and storm drains

- Keep drainage ditches and storm drains free of debris
- Plant drainage ditches with native plants to improve water quality, minimize soil erosion, and support local wildlife while still managing excess runoff



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Elevate Select Roads

Benefit: High

Cost: \$1M - \$5M

Timeframe: 3-4 Years

Description

Raise the road profile above projected future flood levels on select primary roads that experience routine flooding

Potential Location

E Oak Island Drive



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Land Use Regulations

Benefit: Moderate

Cost: less than \$100K

Timeframe: 1-2 Years

Description

Review current land use regulations, ordinances, and plans to re-evaluate current standards and policies relating to coastal development and flood-impacted neighborhoods



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Emergency Management

Benefit: Low

Cost: less than \$100K

Timeframe: 1-2 Years

Description

Improve evacuation route signage and public emergency communication

- Routinely publicize evacuation routes and protocols
- Diversity emergency communication methods



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Environmental Education

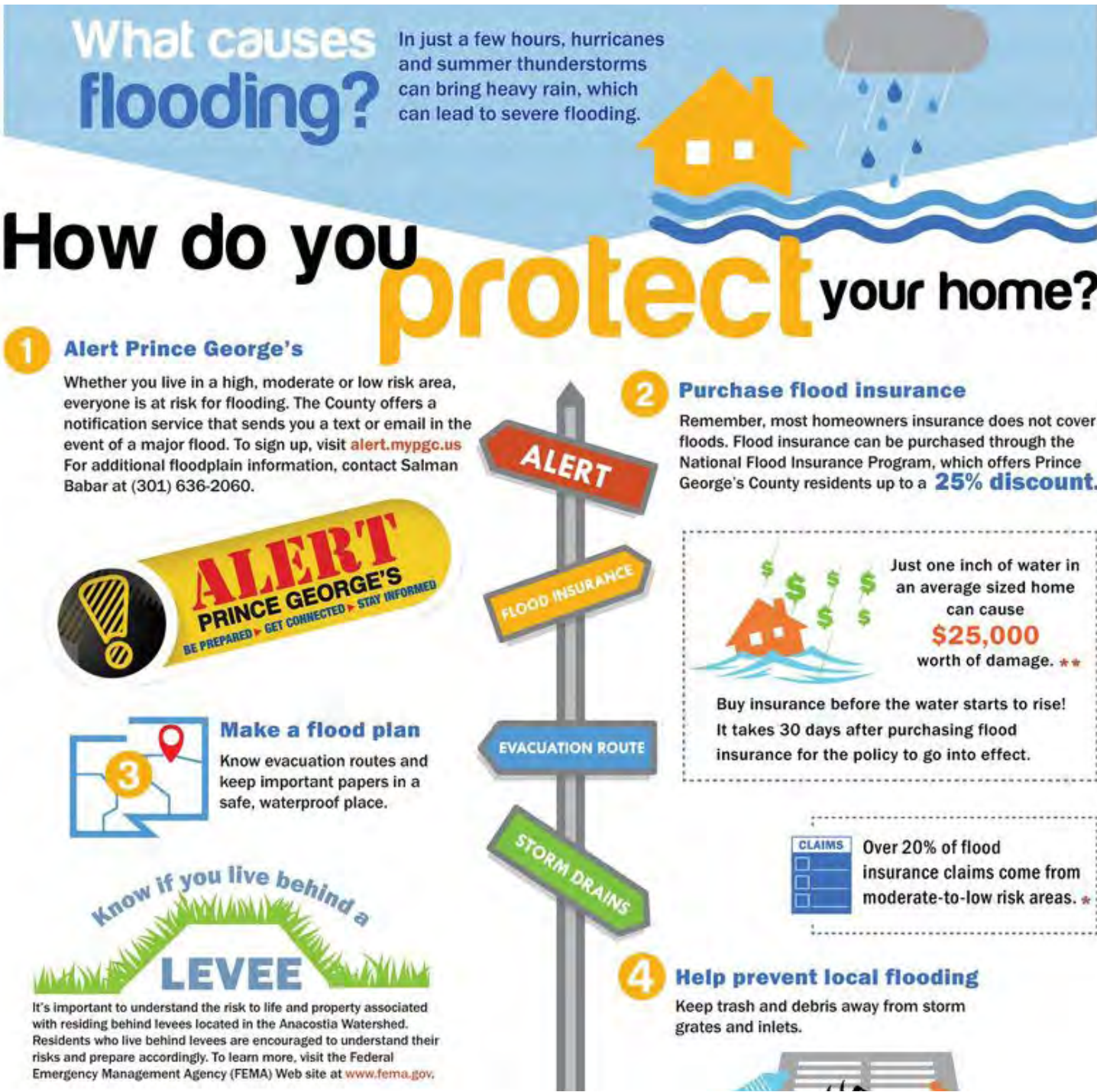
Benefit: Low

Cost: less than \$100K

Timeframe: 1-2 Years

Description

Provide educational materials to homeowners and businesses owners on what can be done to address flooding on private properties



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

Low Priority

Permeable Surfacing Incentives

Benefit: Moderate

Cost: \$100K - \$1M

Timeframe: 3-4 Years

Description

Waive application fees for property owners who install permeable or green surface treatments in place of traditional hardscape



How high of a priority should this project be for improving resilience in Oak Island? Use the marker provided to indicate a priority level.

High Priority

Medium Priority

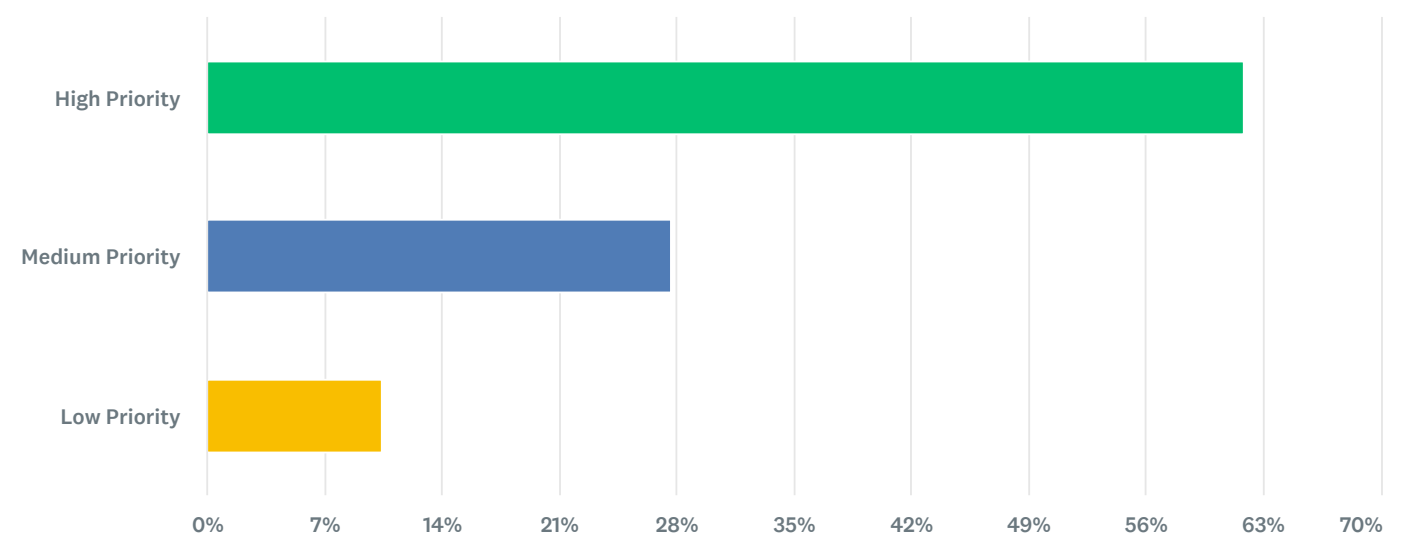
Low Priority

General Comments

Is there anything you would like to share with the project team?
Write it in the box below.

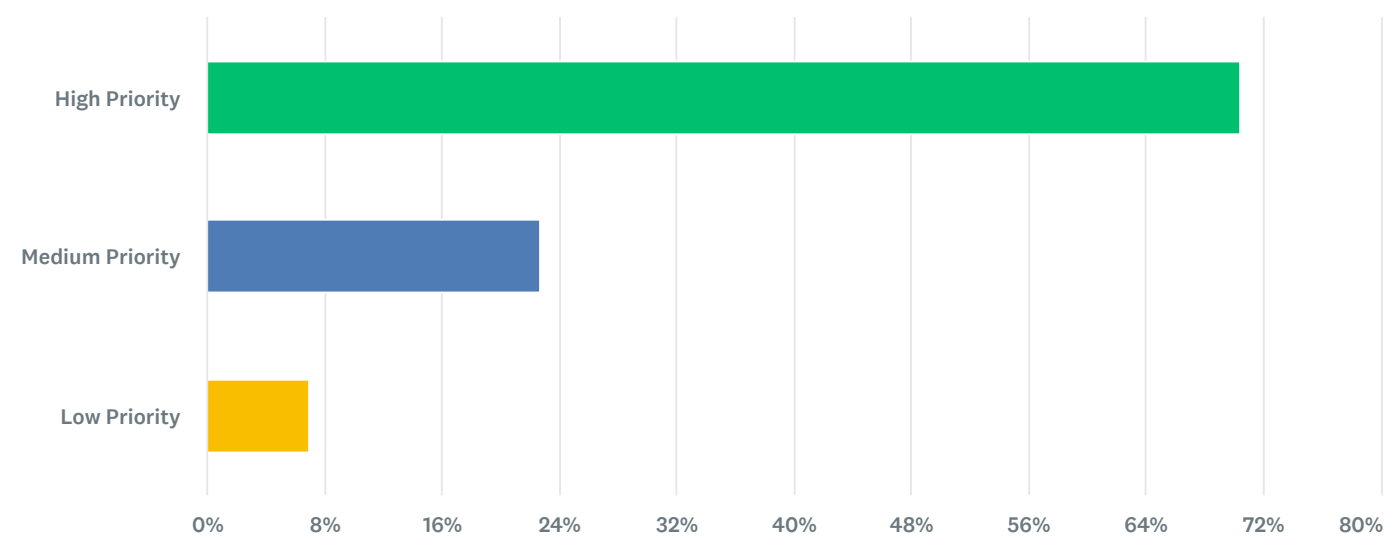
Q1 202 responses

Beach Nourishment
Project Description: Add sand to eroding beaches to create a buffer against waves and flooding while improving recreational value
How high of a priority should this project be for improving resilience in Oak Island?



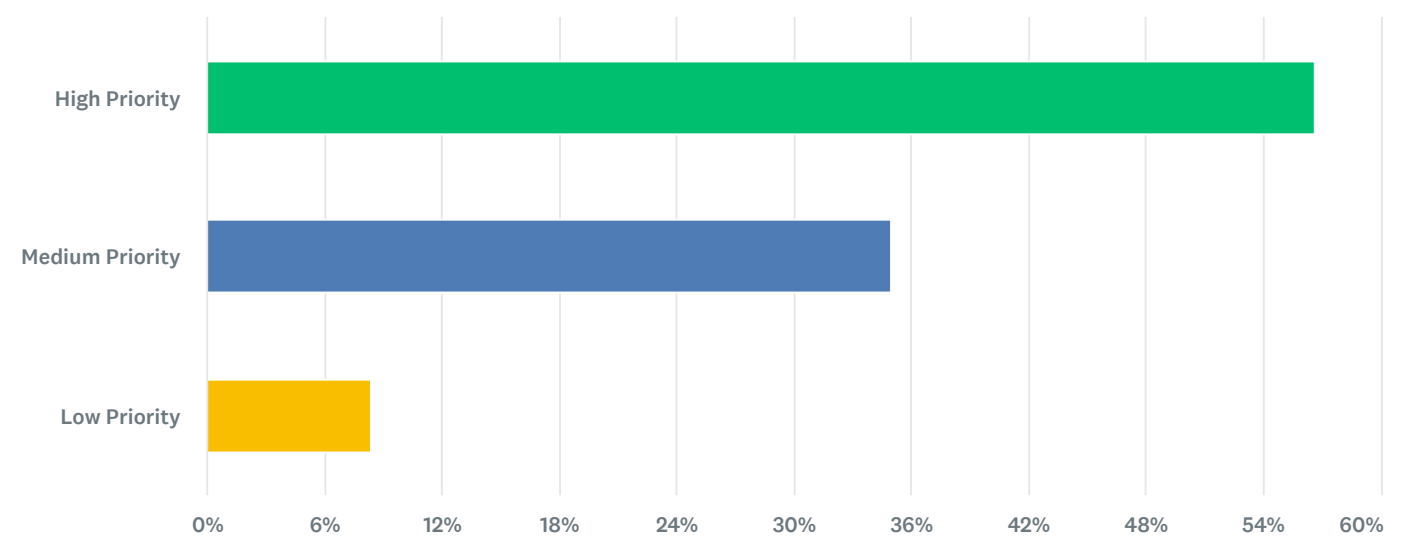
Q2 203 responses

Dune RestorationProject Description: Build up existing dunes or create artificial dunes by mounding sediment at the back of the beachHow high of a priority should this project be for improving resilience in Oak Island?



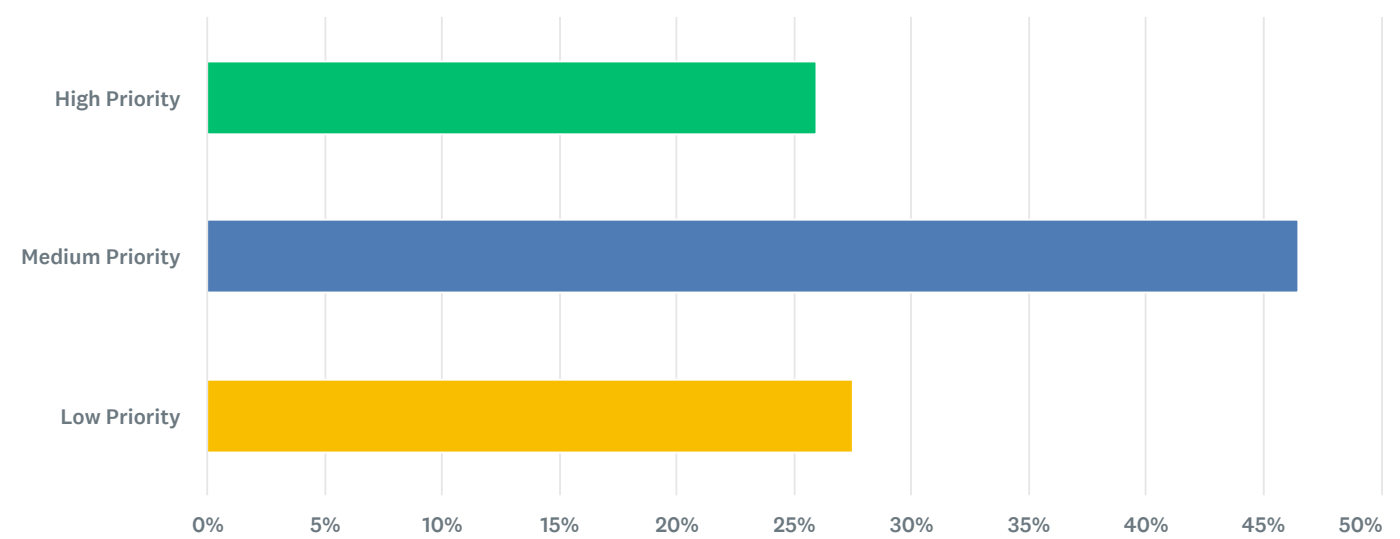
Q3 203 responses

Living Shoreline
Project Description: Naturally stabilize the coastal edge, control erosion, and protect land from waves and storms
How high of a priority should this project be for improving resilience in Oak Island?



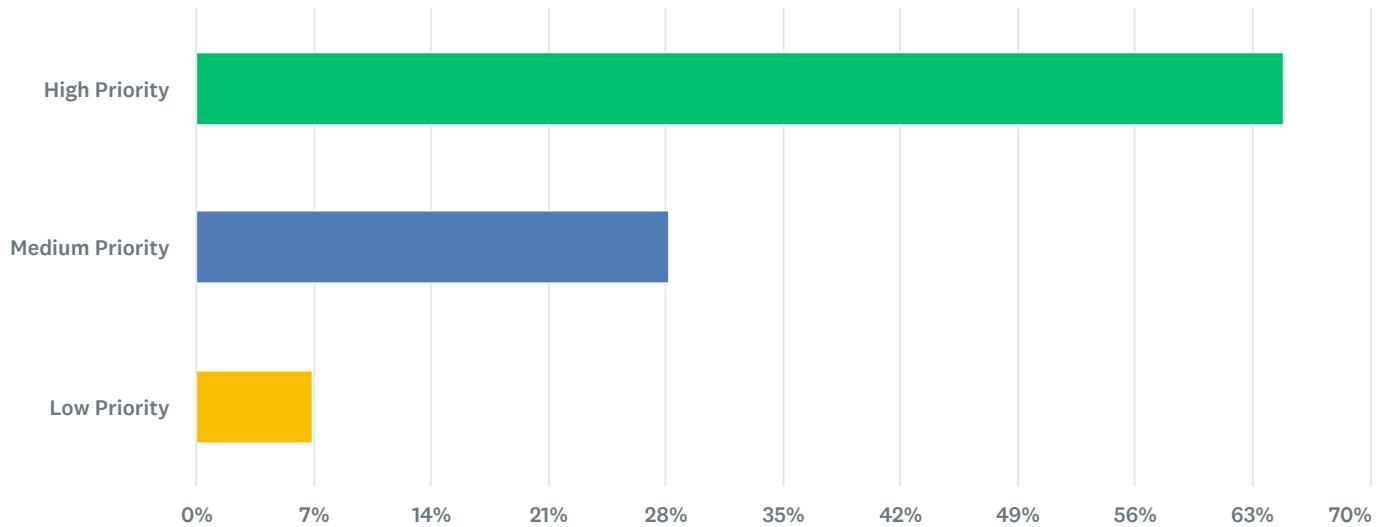
Q4 200 responses

Install Bulkheads
Project Description: Construct bulkheads in areas that require protection from erosion and wave action
How high of a priority should this project be for improving resilience in Oak Island?



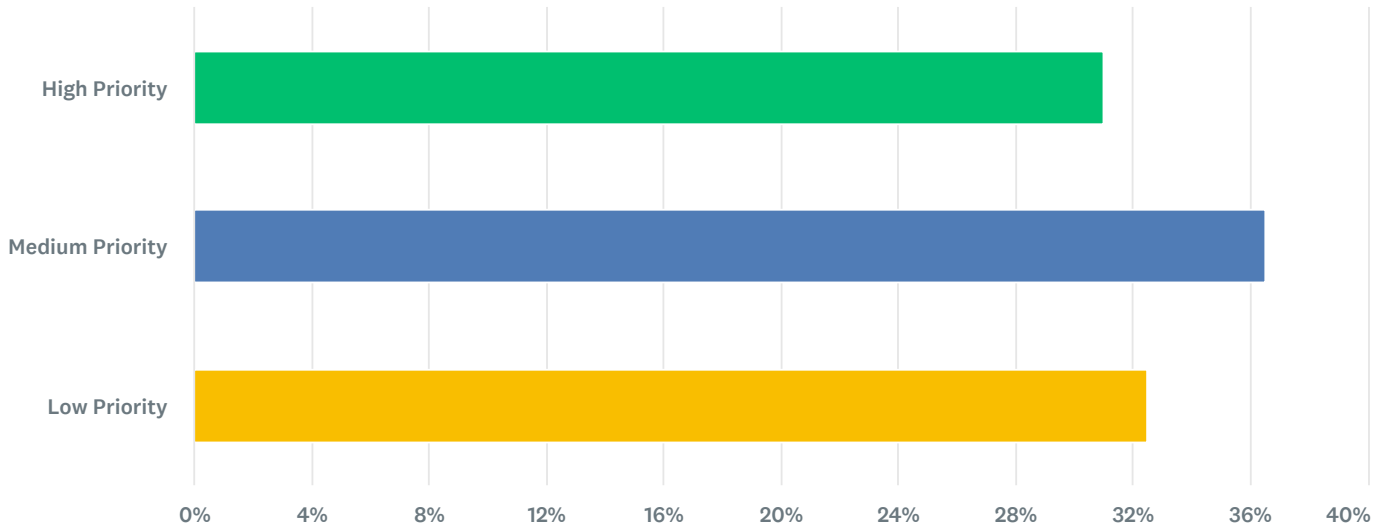
Q5 202 responses

Open Drainage MaintenanceProject Description: Improve stormwater facilities list
ditches and storm drains• Keep drainage ditches and storm drains free of debris•
Plant drainage ditches with native plants to improve water quality, minimize soil
erosion, and support local wildlife while still managing excess runoffHow high of a
priority should this project be for improving resilience in Oak Island?



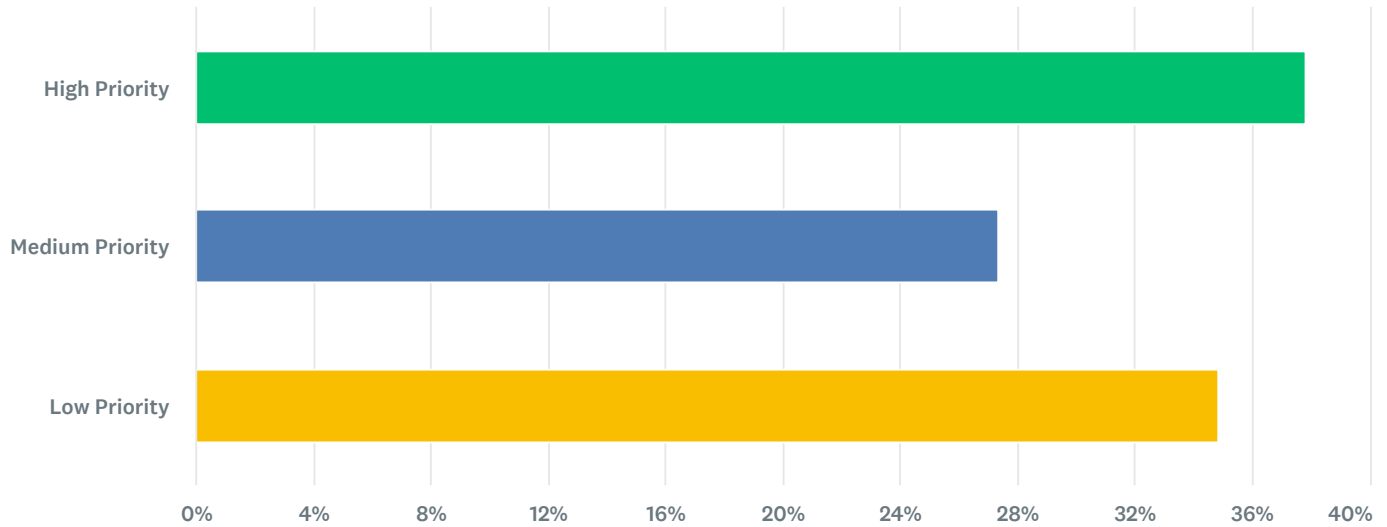
Q6 200 responses

Elevate Select RoadsProject Description: Raise the road profile above projected future flood levels on select primary roads that experience routine floodingHow high of a priority should this project be for improving resilience in Oak Island?



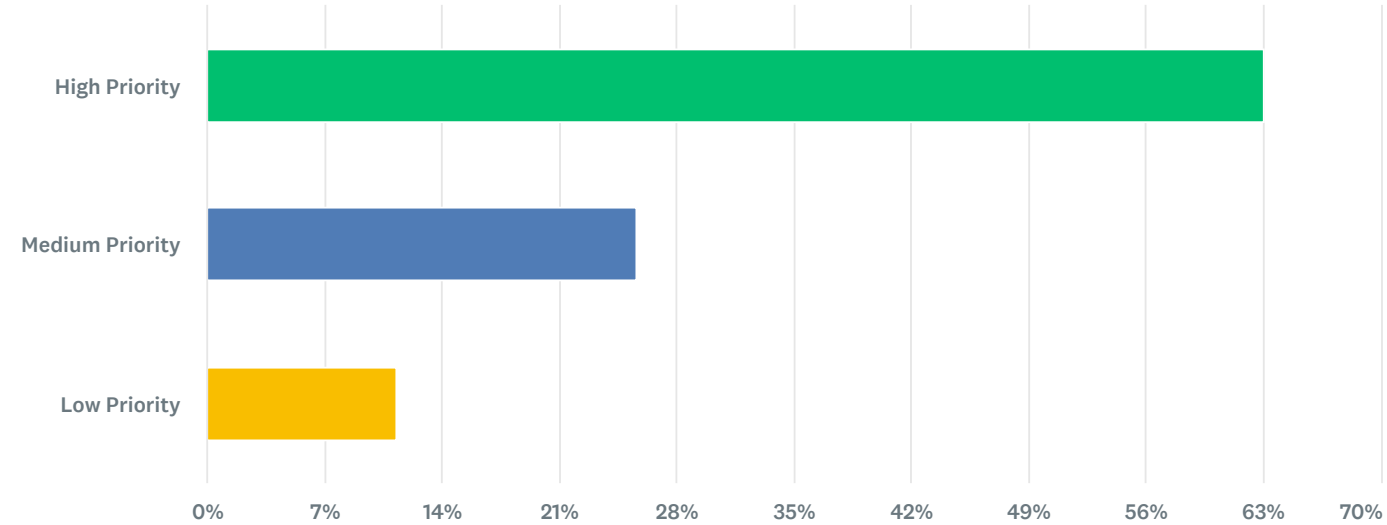
Q7 201 responses

Permeable Surfacing Incentives Project Description: Waive application fees for property owners who install permeable or green surface treatments in place of traditional hardscape How high of a priority should this project be for improving resilience in Oak Island?



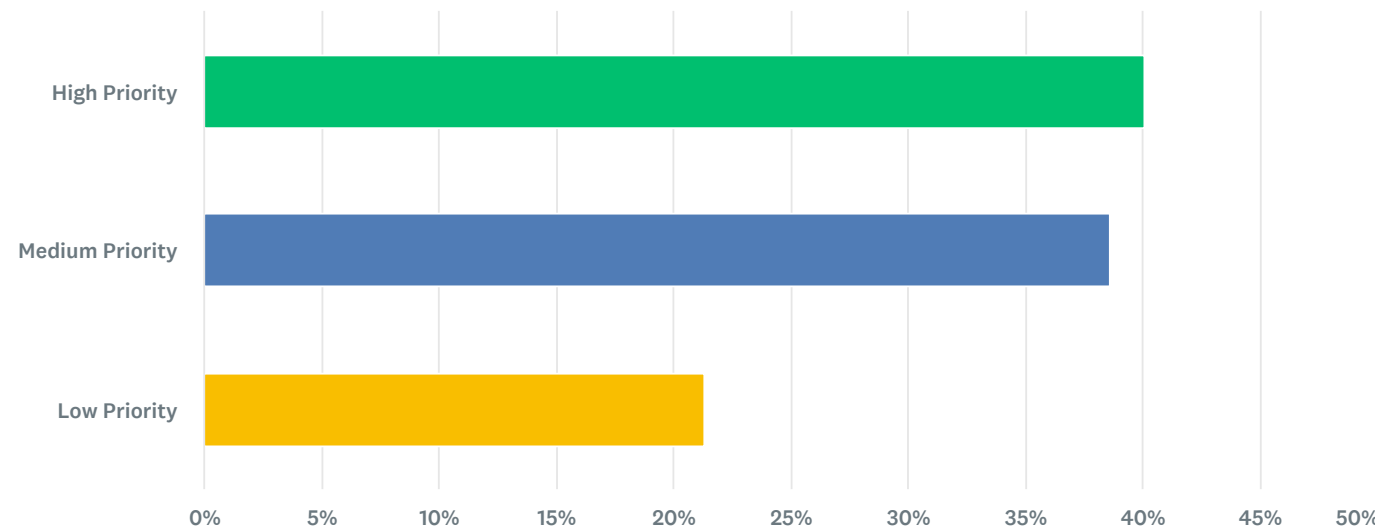
Q8 203 responses

Land Use Regulations
Project Description: Review current land use regulations, ordinances, and plans to re-evaluate current standards and policies relating to coastal development and flood-impacted neighborhoods
How high of a priority should this project be for improving resilience in Oak Island?



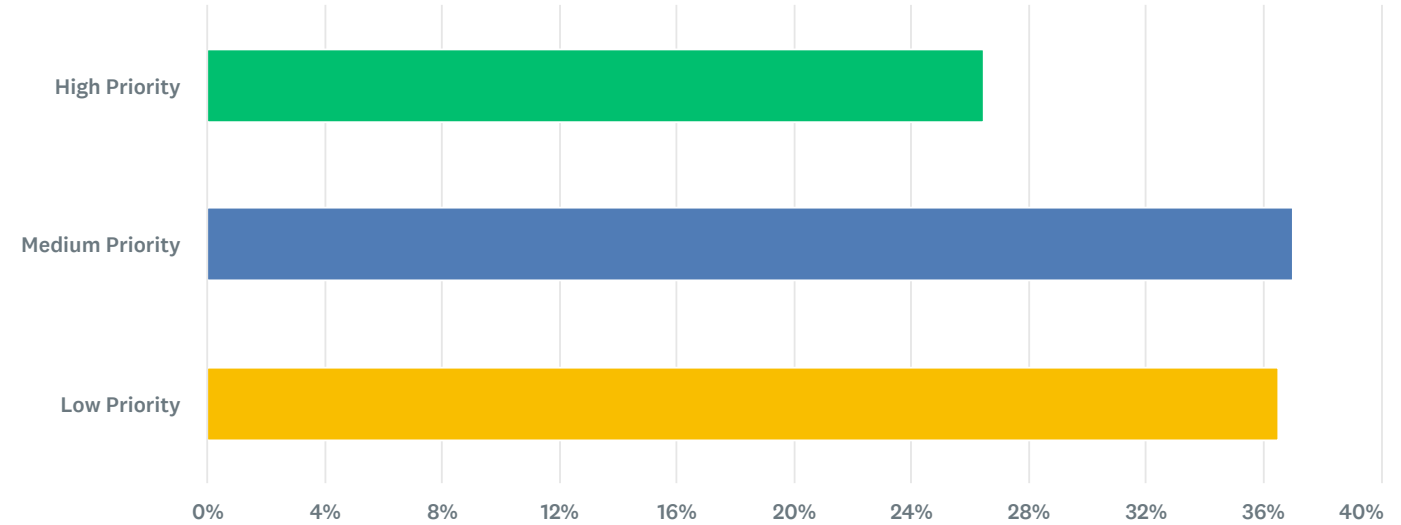
Q9 202 responses

Emergency Management
Project Description: Improve evacuation route signage and public emergency communication
• Routinely publicize evacuation routes and protocols
• Diversity emergency communication methods
How high of a priority should this project be for improving resilience in Oak Island?



Q10 200 responses

Environmental EducationProject Description: Provide educational materials to homeowners and businesses owners on what can be done to address flooding on private properties How high of a priority should this project be for improving resilience in Oak Island?



Q11 Is there anything you would like to share with the project team?

Answered: 51 Skipped: 152

#	RESPONSES	DATE
1	Overdevelopment is an epidemic and needs to stop. Not every square footage of space needs to be developed on. This is what creates a lot of the issues we see, then we have to throw expensive solutions at it, which destroy ecosystems.	9/23/2026 8:39 PM
2	Emergency alert notices due to storm surge/flooding need to be addressed.	9/23/2026 7:43 PM
3	Please come up with a five year plan.	9/23/2026 7:41 PM
4	In an area with many houses on pilings, there is no "lowest floor" in case of weather threats such as tornadoes. Are there any dedicated emergency shelters in Oak Island?	9/23/2026 7:19 PM
5	Get it done.	9/23/2026 6:37 PM
6	Let me know how I'm going to evacuate with hundreds of houses going up at 211 and Midway!	9/23/2026 6:24 PM
7	take better care of the Canal system on the island through dredging to provide better water flow and help water recede after storms	9/23/2026 6:06 PM
8	Don't keep approving all of the home development projects and tell us to cut back on electrical usage.	9/23/2026 5:51 PM
9	There is a lot of debris in the marshes, especially by the walkovers. The debris needs to be regularly cleaned out for the safety of the wildlife and for the potential impact it can have on flooding.	9/23/2026 5:50 PM
10	I would like to see insulation of storm water ditches on side streets (ie) ne 34th street where water is not now diverted and floods private property yards.	9/23/2026 5:34 PM
11	Would like additional info about existing and prior projects such as the status and performance of other flood management projects such as the project at Crowell/Ocean	9/23/2026 5:19 PM
12	The role of native vegetation, tree, bushes and other natural barriers to prevent erosion must be considered as well. The amount of vegetation, native shrubs that are cleared by developer and construction must be very limited.	9/23/2026 5:07 PM
13	Our storm drains on the 200 block of NE 47th St are always plugged. That is the top priority for the 12 homes closest to Holly!	9/23/2026 4:39 PM
14	Dredge the Davis canal for the the longevity of the canal for the community.	9/23/2026 4:28 PM
15	As far as, Hurricane Evacuation or Strengthening The Stay at Home Protocol, What about handicapped and people with disabilities. How should they plan?	9/23/2026 4:27 PM
16	Stop overdeveloping!!!	9/23/2026 4:24 PM
17	PLEASE FINISH PAVING OF STREETS THAT NEED ATTENTION (such as on West end of OKI drive	9/23/2026 4:19 PM
18	We need to slow development which is taking away naturalized areas that allow water run off and decrease flooding.	9/23/2026 4:16 PM
19	Stop overbuilding!!	9/23/2026 4:13 PM
20	I live next to the tidal ditch on E. Pelican Dr. The road E. Pelican Dr. floods regularly between SE 42nd and 40th street. Would the project team consider options and advise if homeowners and help out. Jude Joseph (jude.joseph1@gmail.com, 641-583-0329)	9/23/2026 3:52 PM
21	Adding educational info related to individuals securing loose objects like lawn furniture, etc. (including trash and recycling roll carts - at least not leaving them at the street for days/weeks) to reduce hazards to other people and the environment.	9/23/2026 3:38 PM

22	Population expansion. To be compatible with the area both physically and services on the island	9/23/2026 3:34 PM
23	Keep up bridge maintenance.	9/23/2026 3:00 PM
24	Design storm drains on the major flooding roads that flood or puddle every rain.	9/23/2026 2:58 PM
25	need safety crosswalks for families crossing E Oak Island Dr in Yaupon area	9/23/2026 2:45 PM
26	We need to be responsible with development and not cause damage to habitats to rectify man made issues due to poor planning	9/23/2026 2:15 PM
27	Stop the building and burning of land use development. Contractors are building in areas where the land is pushed around. affecting current livable locations and causing additional erosion issues.	9/23/2026 2:08 PM
28	The biggest area of concern to so many is the overdevelopment off island. When there's no where for the water to go, we flood. While educating the publix is good, most people don't avail it until the storm is close.	9/23/2026 2:06 PM
29	We should prioritize long-term solutions, like land use regulation, over short-term fixes like beach renourishment. This is a barrier island. Barrier islands move. We can only fight the inevitable for so long.	9/23/2026 1:49 PM
30	Stop overbuilding	9/23/2026 1:49 PM
31	Stop allowing development in low lying areas just because we have sewer now. If the ground won't perk, it will flood.	9/23/2026 1:23 PM
32	Would love to see projects occur on the west end of OKI. The 6th street cross over, end of road clean up and make home owners move their boats etc from end of road right away	9/23/2026 1:11 PM
33	Clean out drainage NOW!!! Too many homeowners have filled in drainage areas all over the island.	9/23/2026 1:04 PM
34	I feel we need more drainage	9/23/2026 1:00 PM
35	Stop approving new construction on all wooded lots & areas. It should be common sense that clear-cutting trees & vegetation promotes flooding to the surrounding areas.	9/23/2026 12:56 PM
36	Stop over development in the area as we do not have the infrastructure to support the development that is currently going on.	9/23/2026 12:54 PM
37	All 10 listed above merit attention. Realizing capital, manpower and time limitations, I attempted to prioritize as most detrimental to the well being of Oak Island. Thank you for what you do to protect and maintain our beautiful island!	9/23/2026 12:52 PM
38	Increased effort to save the trees on Oak Island.	9/23/2026 12:48 PM
39	PLEASE, Dredge the ICW	9/23/2026 12:47 PM
40	I have a house on OKI and have been fishing here since 1968. I have noticed that the water has become more shallow on the beaches and the piers. This did not start to effect the times you could fish 10 years ago. Now a lot of the places I fish on the ocean is not fish-able an hour before low tide and an hour after low tide. all the sand that has been hauled into our beaches has caused this. I think we need to utilize the sand in the water on our beach to re-nourish our beach. The point is also filling in the worst it has ever been also. Thanks for your time.	9/23/2026 12:46 PM
41	The dunes need to be rebuilt all over the island with sand and sea oats.	9/23/2026 12:34 PM
42	Dredging can be replaced with natural systems and there is a lot of research on lower impact initiatives with the same effect. Peer-reviewed reviews consistently document that nourishment/dredging operations bury shallow reefs, depress sea turtle nesting, reduce invertebrate prey densities for shorebirds and surf fish, cause direct mortality of benthic organisms at borrow sites, increase turbidity and can lower dissolved oxygen, and disturb both the beach and offshore borrow-site communities — sometimes for years afterward. It's also not a permanent fix; it requires repeated "renourishment," meaning these ecological costs recur.	9/22/2026 10:50 PM
43	Reduce wetland impacts. This will mitigate many of the flooding issues. Raising roadbeds have the potential to impact ground water and surface water movements creating higher flood risks. The water cycle does not follow the new wetland definition. Environmental education is very	9/15/2026 8:29 AM

important with all the new construction/land clearing. This should include water mitigation, habitat, and the importance of the dune network.

44	STOP BUILDING NEW HOMES!!!! Where are new restaurants?! Where are road improvements for all the traffic?! DO YOUR JOB!!!!!!!!!!!!!!!!!!!!	9/15/2026 7:23 AM
45	The beach is the lifeblood of Oak Island, without it we don't get the tourism we need to support the local businesses. Keeping up with the nourishment and protection of the coast line should be a top priority.	9/14/2026 11:46 PM
46	Limit building	9/14/2026 6:20 PM
47	The town spent \$\$\$\$ putting in drainage along the west end of Ocean Drive and it still floods every time it rains more than 1". Need qualified engineers involved in those kinds of projects. Also need to have protected lands that are marshes where waters naturally drain, instead of selling to developers to backfill with dirt. There was a huge beach renourishment this year, so it's low priority for a couple years. This is the year to develop strategies and organize for 2-3 years out. Street paving NEEDS to be done and is not listed here.	9/9/2026 8:51 AM
48	Maintenance first. We wouldn't have the Stormwater issues if the Town has maintained the ditches and enforced its laws.	9/8/2026 1:01 PM
49	Anything that would cost the property owner/residents MORE to live here should be banned. Between taxes, assessments and over rated property values which = higher taxes & insurance. Not to mention the minimum (now) water bill at \$95.00 is absurd!!! An evacuation route that can hold the existing refugees from this island should be a number one priority. Signage doesn't help as we know where to go to get off and out of danger. The volume is the problem - and so long as permits to build are approved, the problem will escalate from there... Why evacuate when all you will be doing will be to sit in traffic in your car with a storm raging around you...?	9/7/2026 8:52 PM
50	Oak Island needs to have a plan in place when NC General Assembly opens up allowing breakwaters, groins, sea walls etc. Let's be proactive not reactive to other areas along the coast. We need to be first in line either this in place it will slow the times we have to pump sand on the beach.	9/7/2026 1:26 PM
51	Our focus should be on the shoreline and improving our defenses at the point of attack--where the ocean meets the beach. We should do this as cost-effectively as possible.	9/7/2026 11:49 AM

Appendix E

Data Used in Vulnerability & Risk Assessment

Asset Type	Asset Name	Location	Location (coordinates)	Ownership	Exposure		Exposure Score	Sensitivity Score	Adaptive		Vulnerability Score
					Exposure (Flooding / Precipitation)	(Floodplain)			Score Before Project	Capacity Score	
Utility	Water Tower	113 SE 31st St	33.916255,-78.130836	Public	Yes	No	3	3	6	2	4
Utility	Water Tower	104 SE 56th St	33.911583,-78.107617	Public	Yes	No	3	3	6	2	4
Utility	Water Tower	160 S Middleton Ave	33.914308,-78.161031	Public	Yes	Yes	3	3	6	2	4
Utility	Reuse Tower	406 Trott St	33.909501,-78.079530	Public		No	3	3	6	2	4
Utility	Lift Station	200 McGlamery St	33.903543,-78.075274	Public	Yes	No	3	3	6	3	3
Utility	Lift Station	900 Ocean Dr	33.904828,-78.083286	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	1108 79th St	33.905034,-78.086125	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	440 Womble St	33.912709,-78.080564	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	504 Trott St	33.911885,-78.079743	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	100-102 Elizabeth Dr	33.910787,-78.074656	Public	Yes	No	2	3	5	3	2
Utility	Lift Station	10 Yaupon Way	33.911583,-78.072225	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	10 Oak Island Dr	33.9115412,-78.0716663	Public		No	1	3	4	3	1
Utility	Lift Station	56 Oak Island Dr	33.905165,-78.069611	Public		No	1	3	4	3	1
Utility	Lift Station	15 Pebble Beach Dr	33.910809,-78.0680948	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	35 Augusta Dr	33.9077678,-78.0713817	Public	Yes	No	1	3	4	3	1
Utility	Lift Station	700 Caswell Beach Rd	40.741895,-73.989308	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	121 SE 59th St	33.9111784,-78.104693	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	4901 E Pelican Dr (49th St)	33.9140408,-78.1333358	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	SE 71st St (St James by the Sea)	33.9079991,-78.0939452	Public	Yes	Yes	2	3	5	3	2
Utility	Lift Station	SE 74th St (East Beach)	33.9074555,-78.0909944	Public	Yes	No	1	3	4	3	1
Utility	Lift Station	111 SE 69th St (Oceanside)	33.9095804,-78.0957088	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	113 SE 22nd	33.9199464,-78.1389046	Public	Yes	No	1	3	4	3	1
Utility	Lift Station	121 SE 21st	33.9189578,-78.1401145	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	121 SE 20th	33.9187219,-78.141223	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	121 SE 19th	33.9187842,-78.142173	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	119 SE 18th	33.9188363,-78.1431901	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	115 SE 17th	33.9189952,-78.1441044	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	114 SE 16th	33.919084,-78.1449355	Public		No	3	3	6	3	3
Utility	Lift Station	119 SE 15th	33.9190776,-78.1461943	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	117 SE 14th	33.9191739,-78.1471121	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	117 SE 13th	33.9192395,-78.1481495	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	123 SE 12th	33.9190886,-78.14913	Public	Yes	Yes	1	3	4	3	1
Utility	Lift Station	122 SE 61st	33.911135,-78.1031832	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	121 SE 63rd	33.9108798,-78.1019125	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	Panel 6401 115 wetwell SE 64th	33.9096529,-78.100691	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	106 SE 66th	33.9102904,-78.0989282	Public	Yes	No	2	3	5	3	2
Utility	Lift Station	109 SE 67th	33.908888,-78.097895	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	SE 68th	33.907537,-78.097081	Public	Yes	Yes	3	3	6	3	3
Utility	Lift Station	Vault 6425 SE 65th St	33.917456,-78.097808	Public		No	2	3	5	3	2
Utility	Lift Station	3 E Oak Island Dr (most critical - almost all flow leads here before being pumped)	33.9203222,-78.1606859	Public		No	3	3	6	3	3
Utility	Vacuum Station	5126 W Beach Dr	33.9143161,-78.2093768	Public	Yes	Yes	3	3	6	3	3
Utility	Vacuum Station	502 W Pelican Dr	33.915821,-78.1650105	Public	Yes	Yes	3	3	6	3	3
Utility	Vacuum Station	4004 E Dolphin Dr	33.9117021,-78.1221652	Public		No	3	3	6	3	3
Utility	Vacuum Station	2107 W Oak Island Dr	33.9221968,-78.1818329	Public	Yes	No	1	3	4	3	1
Utility	Vacuum Station	3 E Oak Island Dr	33.9203222,-78.1606859	Public		No	3	3	6	3	3
Utility	Vacuum Station	102 SE 31st	33.9172574,-78.1302708	Public	Yes	Yes	1	3	4	3	1
Utility	Vacuum Station	1807 E Yacht Dr	33.924634,-78.1415539	Public	Yes	No	1	3	4	3	1
Utility	Vacuum Station	5207 E Yacht Dr	33.9198925,-78.1091424	Public	Yes	Yes	1	3	4	3	1
Utility	Vacuum Station	247 NE 75th	33.9136909,-78.0900102	Public	Yes	Yes	1	3	4	3	1
Utility	Sub Station	501 E Yacht Dr	33.911092,-78.074866	Public		No	2	3	5	1	4
Utility	Municipal Fleet Fueling Station	4601 E Oak Island Dr	33.912486,-78.115275	Public	Yes	Yes	2	2	4	1	3
Utility	Brunswick Nuclear Plant	Power Plant Rd, Southport, NC	33.957877,-78.010547	Private		No	1	1	2		2
Bridge	Southwest 28th Street Bridge	SW 28th St	33.920869,-78.189039	Public	Yes	Yes	1	1	2	0	2
Bridge	Southwest 15th Street Bridge	SW 15th St	33.921121,-78.175913	Public	Yes	No	1	1	2	0	2
Bridge	G.V. Barbee Sr Bridge	NC 133 / Country Club Dr	33.921717,-78.072444	Public	Yes	Yes	1	3	4	0	4
Bridge	Swains Cut Bridge	NC 906 / EF Middleton Blvd	33.927745,-78.159201	Public	Yes	Yes	1	3	4	0	4
Road	Evacuation Route	Route 906	33.914531,-78.161083 to 33.972114,-78.130538	Public	Yes	No	1	3	4	1	3
Road	Primary Route	Oak Island Drive	33.908727,-78.073837 to 33.923022,-78.192080	Public	Yes	Yes	1	3	4	2	2
Road	Primary Route	Country Club Drive	33.901168,-78.070887 to 33.947732,-78.052508	Public	Yes	Yes	1	3	4	2	2
Public Safety	Oak Island Fire Department/EMS	101 E Oak Island Dr	33.920071,-78.159690	Public		No	1	3	4	2	2
Public Safety	Oak Island Fire Department 2 (HQ)	8510 E Oak Island Dr	33.909086,-78.079266	Public		No	1	3	4	2	2
Public Safety	Oak Island Fire Department 3	4151 Vanessa Dr	33.9283426,-78.067944	Public		No	1	3	4	2	2
Public Safety	Oak Island Police Department	4621 E Oak Island Dr	33.9130002,-78.1160582	Public	Yes	No	1	3	4	2	2
Public Safety	Oak Island Water Rescue Team	4901 SE 49th St	33.910826,-78.114237	Public	Yes	Yes	2	3	5	2	3
Government Services	Oak Island Recreation Center	3003 E Oak Island Dr	33.9180234,-78.1310986	Public		No	1	1	2	3	-1
Government Services	Oak Island Town Offices	4601 E Oak Island Dr	33.9130944,-78.1163691	Public	Yes	Yes	2	2	4	3	1
Medical Clinic	Dosher Medical	4700 E Oak Island Dr	33.913401,-78.11557	Private		No	1	2	3	1	2
Assisted Living/Senior Facility	The Landings of Oak Island	2910 Pine Plantation Prky	33.974487,-78.119424	Private		No	1	3	4	1	3
Airport	Cape Fear Regional Jetport	4015 Airport Road SE W1	33.9313066,-78.077959	Private		No	1	2	3	1	2
Water Resource	Davis Canal	N/A	N/A	-	-						
Water Resource	Intracoastal Waterway	N/A	N/A	-	-						
Water Resource	Atlantic Ocean	N/A	N/A	-	-						
Beach	Beachfront	N/A	N/A	-	-		3	3	6	2	4
Beach	Dunes	N/A	N/A	-	-		3	3	6	3	3
Preserved Land	Wetlands			-	-		2	3	5	2	3
Preserved/Private Land	Tree Cover			-	-		0	3	3	2	1
Recreational Land	Middleton Park Complex & Walking Trai	4610 E Dolphin Dr	33.9109471,-78.1167842		Yes	yes	2	1	3	3	0
Recreational Land	Malcom Register Park	409 NE 52nd St	33.9202492,-78.1093548		Yes	yes	1	1	2	3	-1
Recreational Land	May Moore Park	840 Elizabeth Dr	33.9106294,-78.0812541		Yes	No	2	1	3	3	0
Recreational Land	Veterans Park	1408 E Yacht Dr	33.9252104,-78.1454408		Yes	yes	2	1	3	3	0
Recreational Land	Yaupon Park	101 Barbee Blvd	33.9080564,-78.082866		Yes	yes	1	1	2	3	-1
Recreational Land	Commissioner's Observatory Park	113 McGlamery St	33.9028293,-78.0754926		Yes	yes	2	1	3	3	0
Recreational Land	Bill Smith Park & Athletic Fields	4410 Fish Factory Rd	33.9352124,-78.0623409		Yes	No	1	1	2	3	-1
Recreational Land	Hannon A. Templeton Park	4106 E Oak Island Dr	33.9122206,-78.0894762			No	1	1	2	3	-1
Recreational Land	Salty Dog Park	4410 Fish Factory Rd SE	33.9352124,-78.0623409			No	1	1	2	3	-1
Open Space	Golf Club	928 State Rte 1100	33.901399,-78.068683		Yes	No	1	1	2	2	0
Open Space	Oak Island Par 3 Golf	4188 Vanessa Dr	33.928486,-78.064882			No	1	1	2	2	0
Scenic Walkways	The Point	7001 W Beach Dr	33.914671,-78.1902308		Yes	Yes	2	1	3	3	0
Nature Land	Heron Lookout Park	151 SE 40th St	33.9135908,-78.1219927		Yes	Yes	2	1	3	3	0
Nature Land	Oak Island Nature Center	5202 E Yacht Dr	33.9200588,-78.1091331		Yes	Yes	1	1	2	2	0