

# Resilient Coastal Communities Program



November 2023

# Agenda

- + Introduction/Roles
- + Plan Assessments
- + Community Engagement Strategy and Project Schedule
- + Critical Asset Mapping
- + Appoint CAT Champion
- + Schedule First Public Meeting
- + Schedule next CAT Meeting
- + Next Steps



# MEET OUR TEAM



## Town Staff

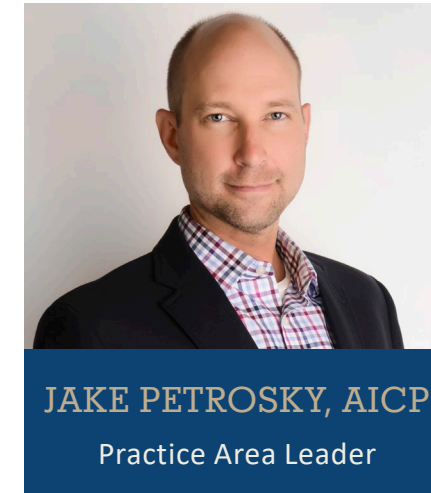
- Rob Testerman

## Ex-officio

- Mackenzie Todd, NC DCM
- Kasen Wally, NC Sea Grant

## Stewart Civil Engineering

- Vernal Sibble
- Scot MacIver



# Community Action Team

Team of dedicated members concerned about the resiliency of the town

Responsible for:

- Document and data review
- Discussion
- Outreach
- Project prioritization

- Rob Testerman, Planning Director
- Craig Merrill, Planning Board
- David Morton, Retired Building Inspector
- Carlos Gomez, Civil Engineer
- Amy Wells, Kitty Hawk resident
- Willie Midgett, Director of Public Works
- Mike Talley, Fire Chief
- Jimmy Helms, Police Lieutenant
- John Delucia, Town Engineer
- Pete Mantz, Recreation Committee
- Paul Henriques, Recreation Committee

# Study Area

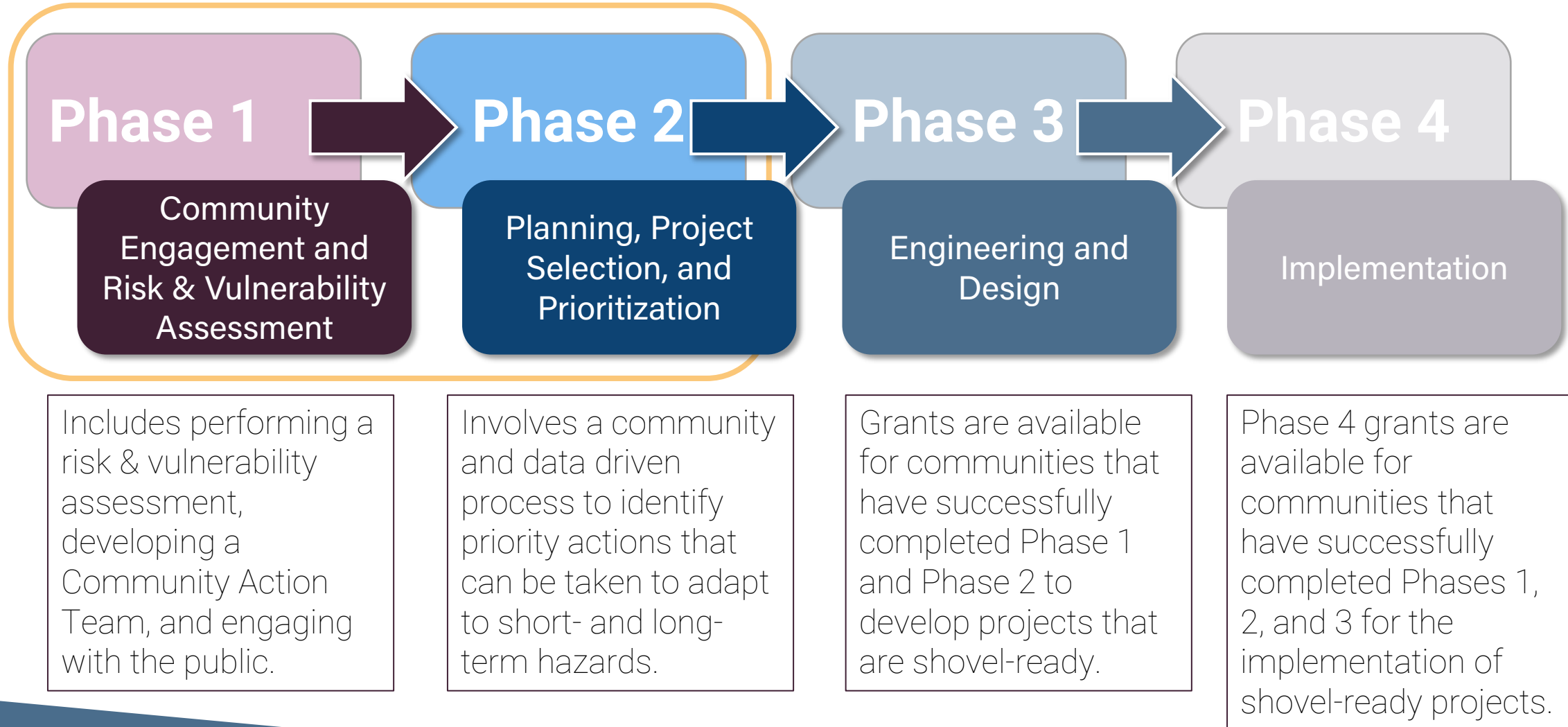




# Resilient Coastal Communities Program Objectives



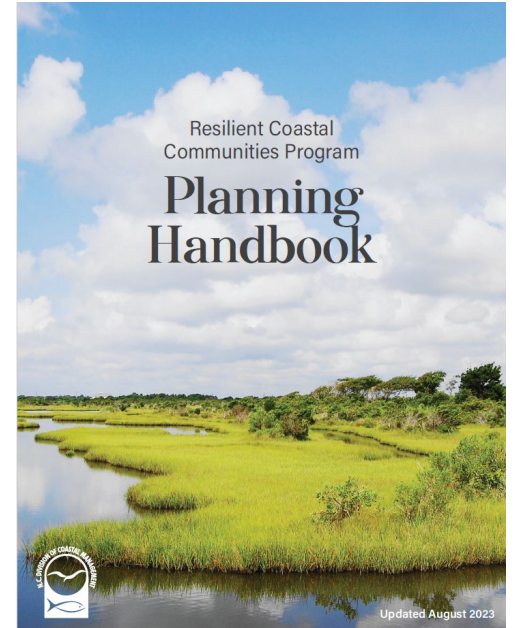
# Resilient Coastal Communities Program Phases



# The RCCP Handbook

## Phase 1: Community Engagement and Risk & Vulnerability Assessment

- Step 1: Develop a Community Action Team
- Step 2: Review Existing Plans and Efforts
- Step 3: Set Vision and Goals
- Step 4: Develop a Community Engagement Strategy
- Step 5: Identify and Map Critical Assets, Natural Infrastructure, and Socially Vulnerable Populations
- Step 6: Conduct Risk and Vulnerability Assessment

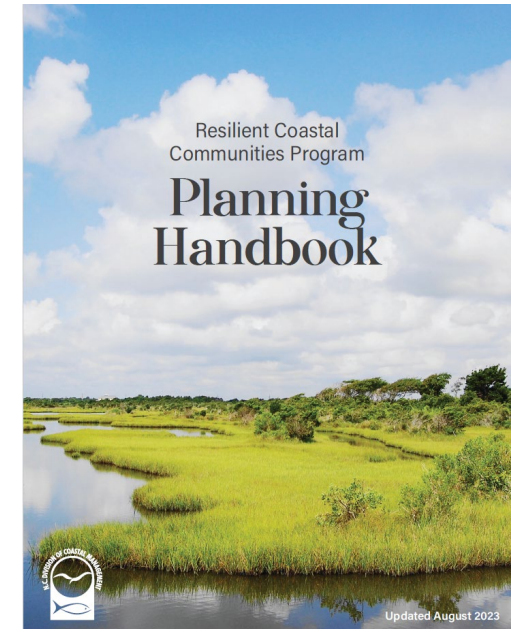




# The RCCP Handbook

## Phase 2: Planning, Project Selection, and Prioritization

- Step 1: Identifying a Suite of Potential Solutions
- Step 2: Consolidate and Prioritize Projects



# Plan Assessment



# Plan Assessment

## Existing Efforts to Draw Upon

### Non-regulatory Programs

Non-regulatory programs involving support or services that governments offer to residents, businesses, or others in the community, which may include:

- FEMA Community Rating System
- Hazard Disclosure
- Land Trusts

### Ordinances

Ordinances that overlap with the community's vision and goals, including:

- Unified Development Ordinance
- Zoning or Subdivision Ordinance
- Flood Damage Prevention Ordinance
- Conservation and Hazard Overlays

### Regional and Local Plans

Other regional and local plans should also be reviewed to identify overlaps with this initiative, such as:

- CAMA Land Use Plans
- Local and Regional Disaster Preparedness and Recovery Plans
- Capital Improvement Plans
- Economic Development Plans
- Stormwater Management or Watershed Restoration Plans
- Open Space Plans
- Asset Management Plans

# Hazard Mitigation Plan

- Required for FEMA disaster assistance
- 5-year update cycle
- Closely tied to Community Rating System
- Identifies “Mitigation Actions” for implementation. Mostly procedural or policy.

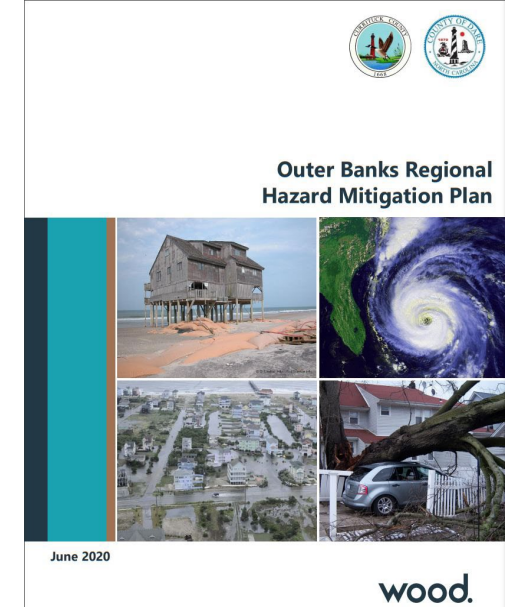


Table 7.2 – Mitigation Action Plan, Dare County

Action #	Action Description	Hazard(s) Addressed	Goal & Objective Addressed	Priority	Lead Agency / Department	Potential Funding Source	Implementation Timeline	2020 Status	2020 Implementation Status Comments
Prevention									
DAR1	Identify Funding to improve stormwater drainage and land management preparation for flooding	Hurricane & Tropical Storm, Flood, Coastal Hazards	3.3	7-High	Dare County Planning	General Fund, Grant Funds	1-3 years	Carry Forward	Group saw need to expand participants to include adding Soil and Water staff to help identify funding sources.
DAR2	Expand the number of lifeguarded beaches in unincorporated Dare to bring lifeguards to all villages in addition to ocean rescue response personnel.	Coastal Hazards	3.3	3-Medium	National Park Service Dare County	General Fund, Grant Funds	2-3 years	New	N/A
DAR3	Update Dare County's 2001 comprehensive stormwater management plan.	Hurricane & Tropical Storm, Flood, Coastal Hazards, Severe Weather, Transportation Infrastructure Failure	3.1	6-High	Dare County Planning	General Fund, Grant Funds	1-3 years	New	N/A
DAR4	Grow Local Emergency Planning Committee membership by expanding industry participation while fully implementing Community Right to Know reporting requirements to enhance knowledge of hazardous material risk across the region	Radiological Emergency, Hazardous Materials Incident	3.3	5-High	Dare County Emergency Management	General Fund, Grant Funds	1-2 years	New	N/A
DAR5	Expand involvement with the North Carolina Information Sharing and Analysis Center to ensure actionable intelligence on immediate and emerging threats to the region are identified and shared with first responders, private sector, emergency management, local law enforcement and other partner agencies in a timely manner.	Terrorism, Radiological Emergency	4.2	3-Medium	Dare County Emergency Management, Dare Sheriff's office	General funds	1-3 years	New	N/A
Property Protection									
DAR6	Utilize existing post storm information and GIS mapping to identify the most vulnerable structures in the County.	Hurricane & Tropical Storm, Severe Weather, Coastal Hazards, Flood	3.3	5-High	Dare County Planning, Dare County Emergency Management	General Fund, Grant Funds	1 year	Carry Forward	Group saw the need to revisit this effort.
DAR7	Become a FIREWISE Community that is able to protect people, property, and natural resources from wildland fire.	Wildfire	3.3	7-High	Dare County Emergency Management, Fire Marshal, US Fish & Wildlife, NC Forestry	Grant funds, General Fund	1-3 years	New	N/A
DAR8	Maintain or increase the number of flood insurance policies in place across Dare County when new flood hazard maps become effective and many properties are reclassified as Shaded X and/or X zone no longer requiring flood insurance associated with a federally insured mortgage.	Hurricane & Tropical Storm, Severe Weather, Coastal Hazards, Flood	3.3	5-High	Dare County Planning, Emergency Management	General Fund	1-2 years	New	N/A
DAR9	Pursue the installation of flood gauges at all towns and villages. Have those gauges tied into the county alert and notification system allowing users to be alerted to changing conditions as they occur.	Hurricane & Tropical Storm, Severe Weather, Coastal Hazards, Flood	2.2	5-High	Dare County Emergency Management	Grant Funds, NC Emergency Mgmt.	2 years	New	N/A



# Stormwater Management Plan

- Identifies areas that experience flooding with heavy rainfall and ocean over wash
- Includes recommendations for improvement areas
- Identifies permit requirements, estimates improvement costs, and provides several options for funding methods

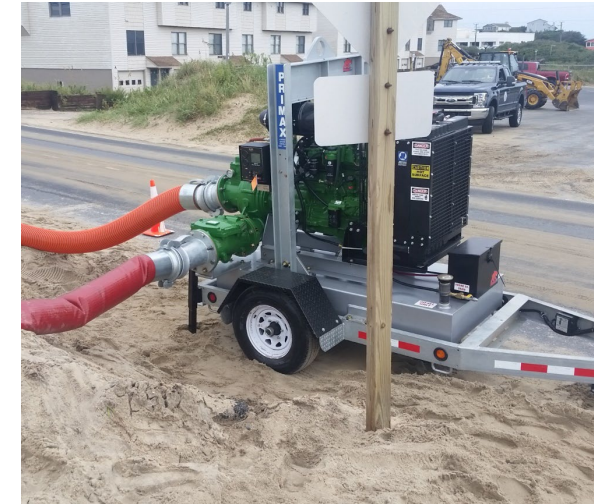
## Suggested Priority

1  
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## Study Area

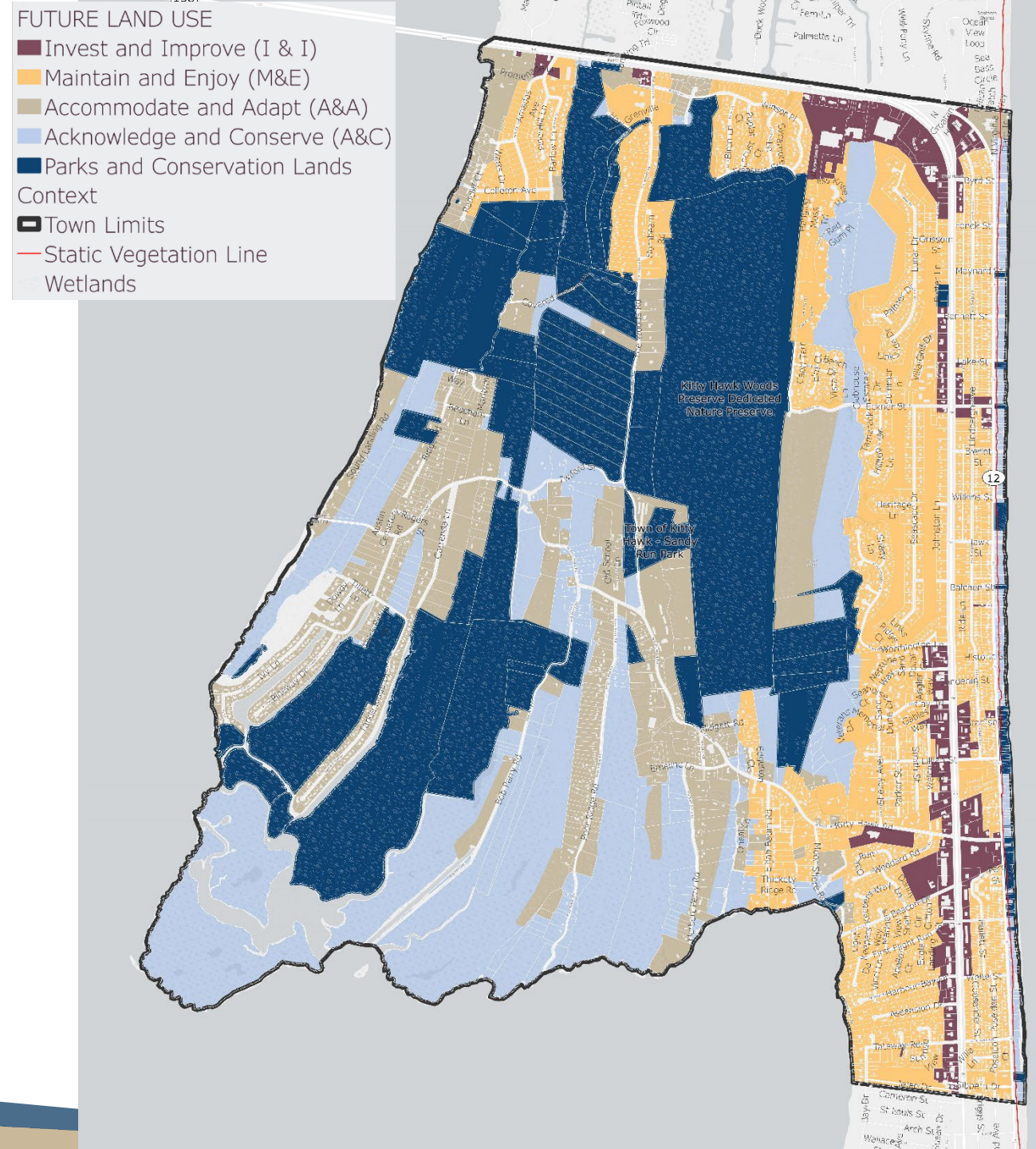
Lindbergh Ave. between Historic and Starfish St.  
Lindbergh Ave between Bleriot St. & Hawk St.  
East Kitty Hawk Rd. and Hurdle St.  
Poseidon St. and Goosander St.  
Byrd St. & Lindbergh Ave.  
Lindbergh Ave. & Fonck St.  
Lindbergh Ave. & Bennett St.  
Tateway Road and the Rabbit Hollow Area.



# IMAGINE KITTY HAWK 2050

## Four Character Areas:

- Invest and Improve (I&I)
- Maintain and Enjoy (M&E)
- Accommodate and Adapt (A&A)
- Acknowledge and Conserve (A&C)





# IMAGINE KITTY HAWK 2050

- + **Goal:** Evaluate the long-term viability of roadways and other infrastructure in high hazard and high vulnerability areas.
- + **Goal:** Improve water quality while managing stormwater and maintaining Kitty Hawk's natural resources.



# Community Engagement Strategy and Project Schedule



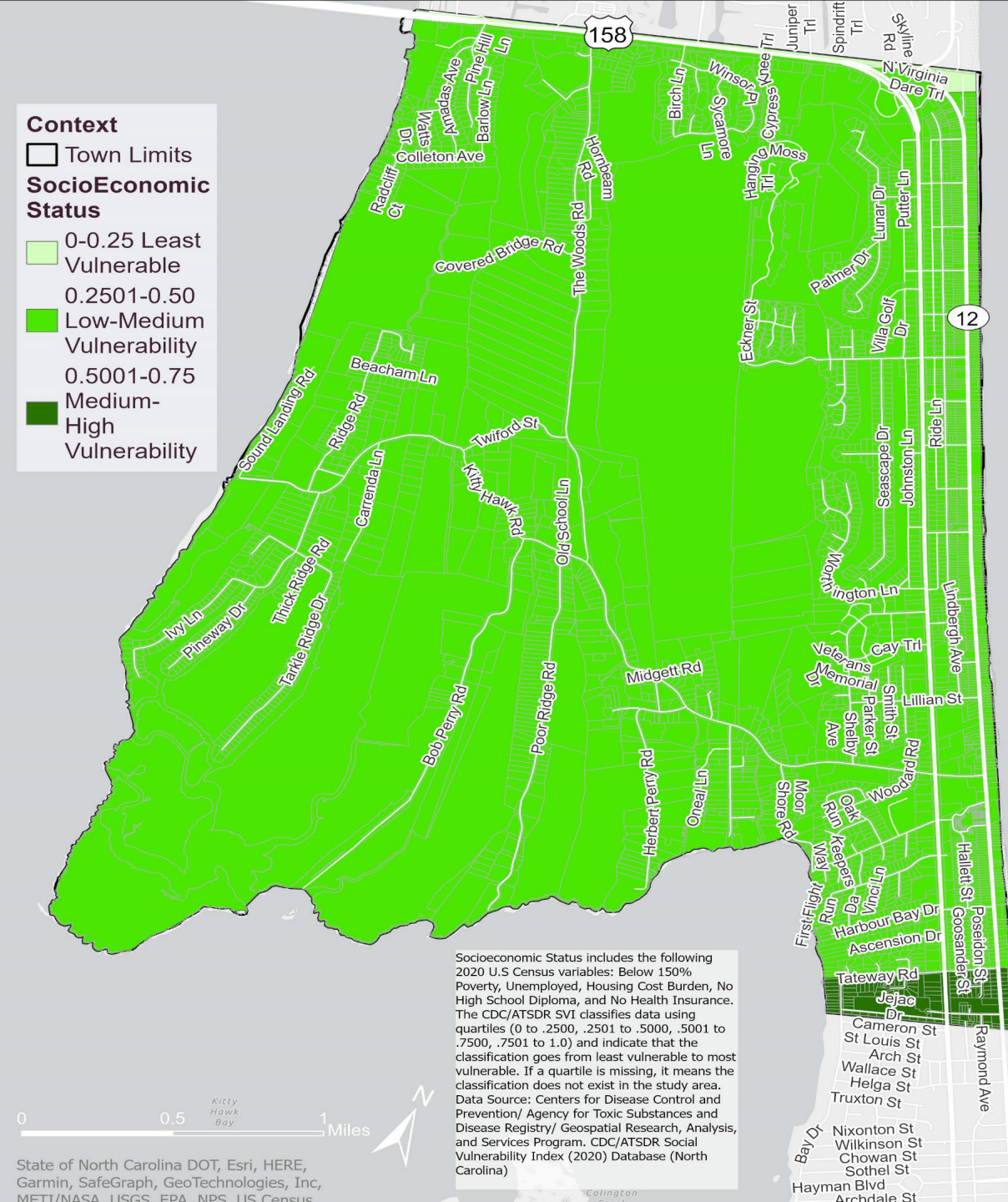
# CAT Meeting Schedule

RCCP Grant-specific engagement			
<b>CAT Meeting #1</b>	November 15, 2023	Introduce the RCCP and planning process Appoint a CAT Champion Discuss member roles Assign tasks to members on identifying contacts in vulnerable communities Schedule first public workshop, discuss targeted outreach & next CAT meeting	RCCP Handbook Phase 1, Steps 1-4
<b>CAT Meeting #2</b>	December/January 2023/2024	Discuss existing plans and efforts, Schedule targeted outreach, prepare draft goals and vision	RCCP Handbook Phase 1, Steps 2-4
<b>CAT Meeting #3</b>	January/February 2024	Community Action Team meeting to review and discuss risk and vulnerability assessment Schedule second public workshop & next CAT meeting	RCCP Handbook Phase 1, Steps 5-6
<b>CAT Meeting #4</b>	February/March 2024	Community Action Team meeting to discuss development of potential resilience projects	RCCP Handbook Phase 2, Step 1
<b>CAT Meeting #5</b>	March/April 2024	Community Action Team meeting to discuss prioritization and draft plan	RCCP Handbook Phase 2, Step 2



# Public Engagement

- Public Open House, Community Workshop #1 – January 2024
- Targeted outreach- January/Feb 2024
- Public open house/community workshop #2



# People to Include in the Process

- People who live or work here
- People who own businesses, or interest groups such as community organizations
- Town Representatives

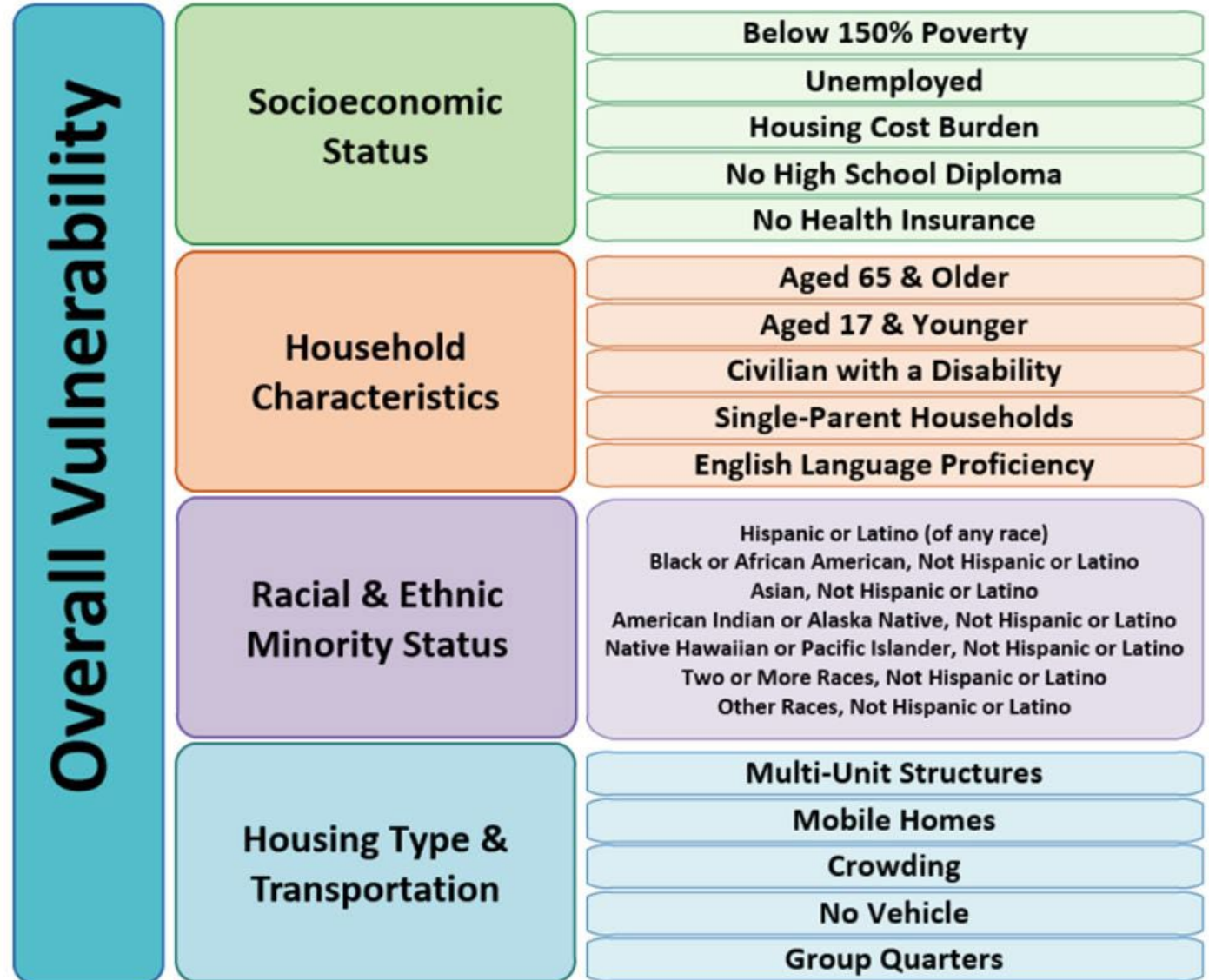
Table 1. Categories of Stakeholders Adapted from NOAA's [Introduction to Stakeholder Participation](#)

Stakeholder Category	Description	Examples
People who live, work, play, or worship at or near a resource	Those whose everyday lives and well-being are directly connected to a resource or issue. These stakeholders should be invited to participate because their lives may be substantially impacted.	Residents, resource users, businesses, community/civic organizations, interest groups, nongovernmental organizations (NGOs), government, Native American tribes, and the media
People interested in the resource, its users, its use, or its non-use	Those who assign values to a resource and are concerned about the way that resources are used. This group includes those who extract value from resources, as well as those more interested in conserving or protecting resources. This group should be invited to participate because of their sheer interest in the resource or issue.	Businesses, resource users, interest groups and NGOs, community/civic organizations, government, and Native American tribes
People interested in the decision-making process	Those deeply interested in the legal and procedural aspects of an issue. This group includes those who want to ensure that all relevant policies and procedures are observed in reaching a decision. They should be involved because of their attention to procedural detail and their ability to derail a process or litigate final decisions.	Interest groups and NGOs, government, the media, residents, and Native American tribes
People who are financially invested in the resource	Those whose money is directly or indirectly used to fund resource management through taxes, fees, and other means. This group wants to ensure that money is spent wisely and should be invited to participate because the government is accountable for how it spends public dollars.	Residents, resource users, businesses, and government
Representatives or those who are legally responsible for managing public resources	Those who have the legal authority and obligation to manage natural resources. Members of this group want to ensure the best final decision is reached and should be invited to participate because it is their duty.	Government



# Key Considerations for Public Engagement

- Date, Time and Place
- Identifying Constraints and coming up w/ solutions to encourage participation
- Involving underrepresented communities and vulnerable populations

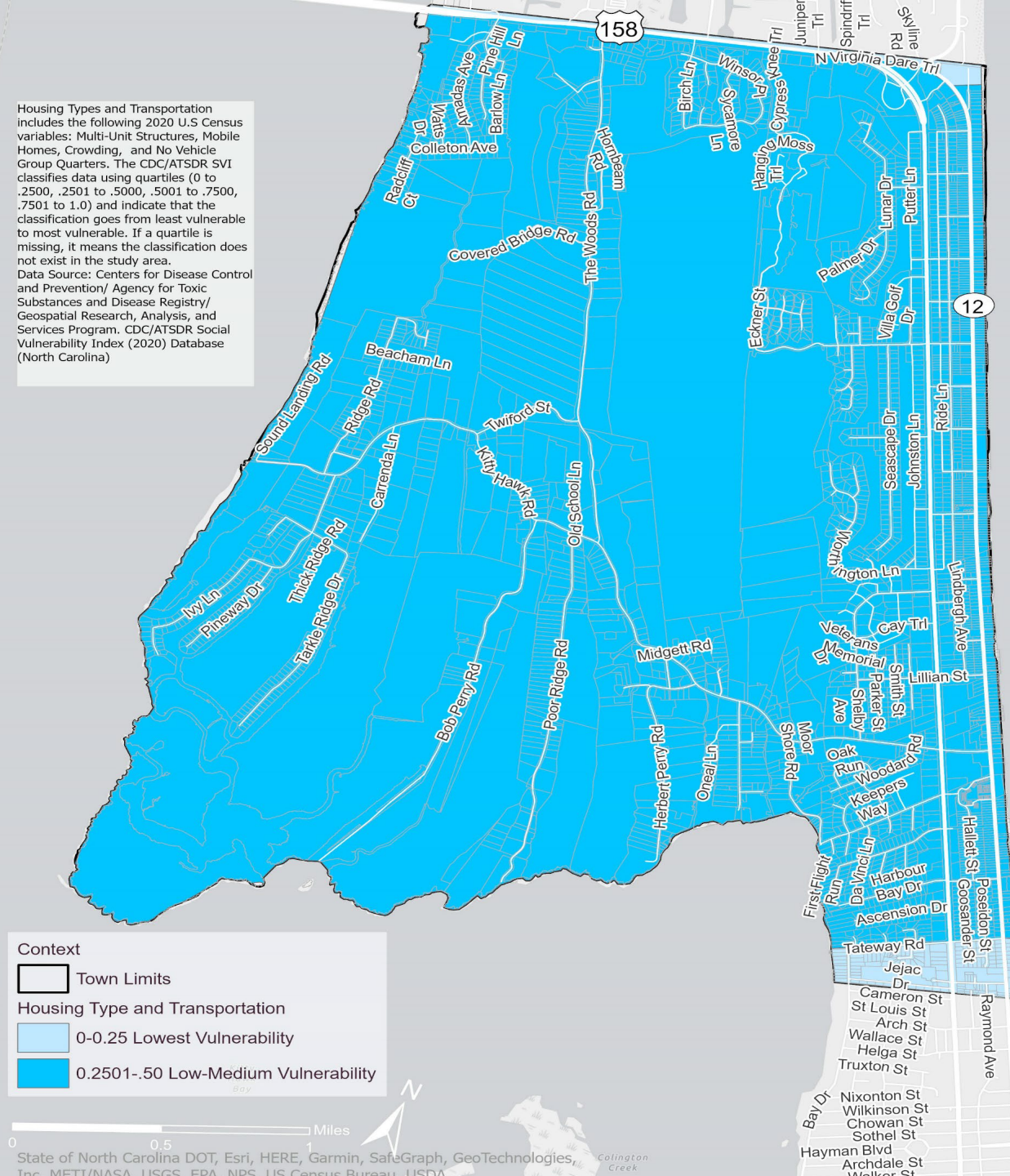




# Targeted Outreach Opportunities

- Field Trip
- Stakeholder Conversations
- Focus Groups
- Internet
- Survey

# CAT Team member ideas for outreach?



# Critical Asset Mapping



# Critical Assets that Must be Identified

- Roads/Evacuation Routes
- Water Lines
- Government Service Offices
- Schools
- Health Services
- Public Safety (Police, Fire, EMS)
- Natural Assets (wetlands, beaches, dunes, forests, floodplains)

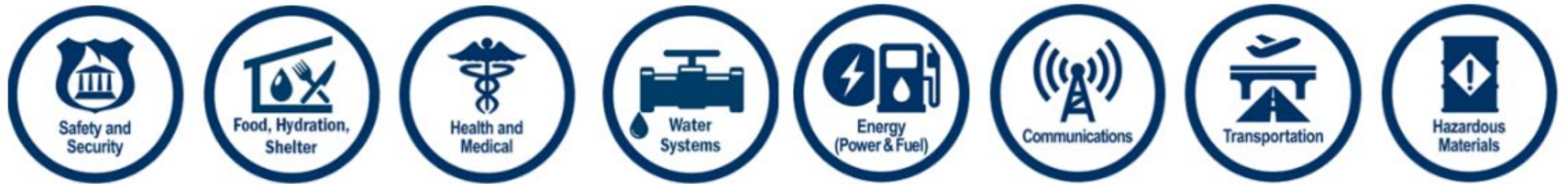


Figure 6 | Required Critical Assets to Map



# Additional Considerations

## FEMA Community Lifelines



# What's Next?

## Today

- Appoint CAT Champion
- Discuss and Set date/time and potential locations for 1<sup>st</sup> Public Meeting
- Discuss Targeted Outreach
- Set date/time for next CAT meeting
- Share your perspective

## Upcoming

- Review of existing plans and efforts
- Set Vision and Goals based on feedback from community
- Schedule Targeted Outreach meeting

**Project Website:**

<https://www.kittyhawknc.gov/departments-and-services/planning-and-inspections/>

Contact: Rob Testerman, Planning Director,

*Rob.Testerman@kittyhawktown.net*