

Post Office Box 549
101 Veterans Memorial Drive
Kitty Hawk, NC 27949



Phone (252) 261-3552
Fax (252) 261-7900
www.townofkittyhawk.org

CAMA LAND USE PLAN TOWN OF KITTY HAWK

IMPLEMENTATION STATUS REPORT 2013

I. All local, state, federal, and joint actions that have been undertaken successfully to implement its certified CAMA land use plan

Management Topics

Public Access – strategies for maximizing community access to beaches and public trust areas.

1. Acquired ownership of 30 oceanfront properties no longer suitable for building.
2. Established nine (9) new public beach access points north of Kitty Hawk Road, bringing the total number of public beach accesses to fifteen (15).
3. Improved the beach access walkway at Byrd Street.
4. Constructed an ADA accessible beach access at Lillian Street.
5. Acquired a property at E. Kitty Hawk Road on which a new public beach access was constructed.
6. Completed improvements to on-street, parallel parking spaces near the public beach access points at Balchen, Hawks, Wilkens, Bleriot, Luke, Bennett, Maynard, and Fonck streets.
7. Completed significant improvements to the paved parking area serving the public beach access at Byrd Street.
8. Constructed a new paved parking area and shower adjoining the public beach access at Lillian Street.
9. Constructed a sidewalk providing safer pedestrian access to the public bath house and beach access near Kitty Hawk Road.
10. Staff three (3) lifeguard stations from Memorial Day through Labor Day at strategic locations along the beach.
11. Constructed the Wright Brothers Multi-Use Path, a public walking/bicycle trail with interpretive signs, stretching over 2,000 feet along Kitty Hawk Bay.
12. Repaired the boardwalk and reconstructed the deck at the Town's Windgrass Circle Park on the soundfront.
13. Constructed Sandy Run Park, a 16 acre public park featuring a canoe/kayak launch, fishing pier, nature observation tower, and walkways that provide public access to natural areas, including several public trust waterways.
14. Worked with Dare County on the purchase and development of an eleven (11) acre public park with recreational facilities and walking trails.

15. Coordinated with Dare County on improvements to the parking area and planned installation of a kayak launch at the public boat ramp located off of Bob Perry Road.
16. Supported efforts of the N.C. Coastal Reserve to purchase additional property to be included in the Kitty Hawk Woods Coastal Reserve.
17. Added information about public access locations on the Town of Kitty Hawk website and developed a brochure about area parks and recreational activities.
18. Participate in the Dare County Shoreline Management Commission to oversee and advocate for the preservation and restoration of shorelines.
19. Completed initial studies and negotiations on the design, permitting, and funding of a storm damage reduction/beach renourishment project.

Land Use Compatibility – management of land use and development in a way that minimizes its primary and secondary impacts on natural and man-made resources.

1. Studied and amended Town development standards in keeping with the stated goal of maintaining a relatively low density, residential scale of development throughout most of the Town.
2. Compatibility with the CAMA Land Use Plan has been evaluated and referenced during the review of every development project, rezoning, and text amendment considered by the Planning Board and Town Council.
3. Conducted a detailed analysis of filling and grading activities in consideration of appropriate standards for such activities in the future.
4. Enforce erosion and sediment control standards.
5. Adopted revised stormwater management standards to minimize the impacts of commercial and other higher intensity development on the surrounding environment.
6. Adopted revised standards for subdivision development to minimize impacts on the natural environment.
7. Adopted an ordinance permitting wind turbines and other wind energy facilities as renewable energy sources.
8. Constructed a new Town Firehouse in a historic architectural style containing many features of low impact development, including permeable paving, rainwater recycling system, and wetlands for stormwater filtration.
9. Conduct numerous public education efforts via the Town website, Town newsletter, mailings, and public forums on a variety of environmental topics including dune management, marsh restoration, low impact development techniques, flood damage prevention, and similar topics.

Infrastructure Carrying Capacity – strategies to ensure that infrastructure is available to support anticipated and planned development and that it is managed to protect areas of environmental concern and other fragile areas.

1. Coordinated with local and State agencies on the review and approval of proposed development projects to ensure that infrastructure standards are met and capacity is not exceeded.
2. In cooperation with other communities in Dare County, the Town adopted a ten-year Solid Waste Management Plan in 2012 and has a 26-year solid waste disposal contract to

ensure that waste management needs are met in the future. This plan includes policies on enhancing the Town's recycling efforts.

3. Established a recycling center for residents of Kitty Hawk and surrounding areas.
4. Completed a stormwater management study that identifies solutions to recurring stormwater management issues in the Town.
5. Per the stormwater management study, let a contract to construct a pumping system to relieve stormwater drainage issues in one area of Town. Additional construction projects are likely to follow in future years.
6. Engages in an annual planning process to prioritize road repair and maintenance needs paid for by the Town with State Powell Bill funds and other funding sources.
7. Partnered with NCDOT and local funding sources on the construction of over 3.2 miles of new multi-use paths, bringing the total to over seven (7) miles of multi-use paths.
8. Maintain and repair existing multi-use paths using State Powell Bill funds and local funding sources.
9. Had the widening of W. Kitty Hawk Road and an extension of the multi-use path along W. Kitty Hawk Road included on the NCDOT's list for future funding.
10. Actively participated in the soon-to-be adopted comprehensive transportation plan for Dare County.
11. Evaluate road and transportation improvements as an active member of the Albemarle Regional Planning Organization.

Natural Hazard Areas – policies to reduce the community's vulnerability to natural hazards.

1. Adopted updated flood maps and a flood damage prevention ordinance to meet all requirements of State and federal agencies.
2. Adopted an updated multi-jurisdictional Hazard Mitigation Plan in cooperation with other communities in Dare County identifying solutions to reduce or eliminate the risks to human life and property from hazards.
3. Adopted a Public Information Strategy outlining many projects and activities to educate residents, visitors, and businesses about the risks of flooding and other natural hazards, as well as opportunities to prevent or minimize damage during these events.
4. Review and adopt an Emergency Preparedness, Response, and Recovery Plan on an annual basis.
5. Continue policies and regulations that limit the scale and compatibility of development in hazard prone areas.
6. Established a land disturbance permit regulating grading and stormwater issues on lots smaller than those requiring a State stormwater permit.
7. Completed a stormwater management study in 2011 that identifies solutions to recurring stormwater management issues in the Town.
8. Per the stormwater management study, let a contract to construct a pumping system to relieve stormwater drainage issues in the Hawks Street area. Similar construction projects are likely to follow in future years.
9. Constructed stormwater management improvements along Byrd Street, along Lindbergh Avenue, and in the Kitty Hawk Landing neighborhood.
10. Adopted revised stormwater management standards to minimize the impacts of commercial and other higher intensity development on the surrounding environment.

11. Worked with NCDOT on the installation of new culverts to improve drainage along several sections of W. Kitty Hawk Road.
12. Raised the roadway elevations of Tateway Road, Ascension Drive, and portions of W. Kitty Hawk Road to minimize the impacts of flooding.
13. Worked with NCDOT on funding (through the RPO) to have portions of U.S. Highway 158 raised in an effort to mitigate highway flooding from heavy rainfall and ocean overwash.
14. Established a program with NCDOT environmental engineers to monitor the shoreline erosion along Moor Shore Road.
15. Obtained funding through FEMA and State agencies to reconstruct the primary dune, providing further protection for N.C. Highway 12 and numerous private residences.
16. Offered educational brochures, newsletter/website articles, and programs to property owners on topics such as water quality, low impact development, flood damage prevention, and dune stabilization.
17. Conducted a dune planting project with Town employees and volunteers to stabilize the primary dune in Kitty Hawk. Such plantings are done annually to repair areas damaged by storms (0.4 mile of dunes were replanted in 2013).
18. Partnered with the Dare County Shoreline Management Commission on the installation of sand fencing and dune planting along the entire primary oceanfront dune. Such improvements are repaired and updated on an annual basis (0.7 mile of sand fence was replaced in 2013 to repair storm damage).
19. Posted “Keep Off” and “dune care” signs along the primary oceanfront dune.
20. Supported efforts of the N.C. Coastal Reserve to purchase additional property to be included in the Kitty Hawk Woods Coastal Reserve.

Water Quality – land use and development policies and strategies to protect quality waters and to restore quality in waters that are non-supporting.

1. Conducted a series of three (3) public workshops on water quality.
2. Offered educational programs and information on rain gardens and other low impact development practices to the general public.
3. Constructed a rain garden as a pilot project highlighting local best management practices.

Local Areas of Concern:

Separate topics identified as Local Areas of Concern are intended to incorporate specific issues, concerns, and opportunities identified by the Town of Kitty Hawk, including:

- Atlantic Ocean Shoreline
- Beach Driving
- Beach Nourishment and Dune Stabilization
- Commercial Development
- Community Appearance
- Currituck Sound Shoreline, Kitty Hawk Bay, and Albemarle Sound
- Development Design Standards
- Federal Properties and Programs
- Intergovernmental Relations

- Parking and Loading/Off-loading Areas
 - Public Safety
 - Redevelopment
 - Residential Development
 - Septic Tank Use
 - Sexually Oriented Businesses
 - Solid Waste Management
 - Storm Water Management
 - Tourism
 - Transportation
 - Uses of and Activities In and On Ocean and Sound Waters
1. Expanded the Town's extraterritorial jurisdiction one mile into Kitty Hawk Bay and Albemarle Sound to limit undesirable development and activities.
 2. Studied and amended Town development standards in keeping with the stated goal of maintaining a relatively low density, traditional scale of development throughout most of the Town.
 3. Conducted a study concerning beach driving along the southern stretch of beach in Kitty Hawk. (NOTE: it was determined that beach driving should not be permitted)
 4. Entered into mutual aid agreements with other communities to provide services in emergency situations.
 5. Initiated meetings among town managers and town planners on the Outer Banks to share ideas and improve communication between the communities.
 6. Participated in a Joint Information Center with other communities in Dare County during emergency situations.
 7. Adopted the National Incident Management System (NIMS) for dealing with emergency situations.

II. Any actions that have been delayed and reasons for the delay

1. Establishment of additional public beach access points toward the southern end of Kitty Hawk has been delayed due to the unwillingness of private property owners to sell or lease oceanfront property or provide easements for this purpose.
2. Construction of planned multi-use path providing a connection to other multi-use paths along Bay Drive was delayed due to objections from adjoining property owners and the higher costs of alternative solutions.
3. Although the Town is actively pursuing such projects, implementation of storm damage reduction projects (such as stormwater management and beach renourishment) has been delayed until permits and funding can be secured for such projects.
4. Several road improvement projects have been delayed until funding can be obtained for such projects.
5. A planned, funded shoreline stabilization/marsh restoration project along Kitty Hawk Bay was not constructed due to difficulty in obtaining riparian easements from property owners abutting the marsh.

III. Any unforeseen land use issues that have arisen since certification of the CAMA land use plan

1. A development proposal to construct the oceanfront Hilton Garden Inn resulted in a review of the project impacts and amendment of the Town's development standards relating to projects of this scale in the Beach Hotel zoning district.
2. Interest by local residents and businesses caused the Town to engage in a thorough review of wind energy issues and the development of a wind energy ordinance.
3. Revision of the flood insurance rate maps and amended standards in the flood damage prevention ordinance has led to challenges in defining/redefining appropriate development standards in the areas affected by the changes.

IV. Consistency of existing land use and development ordinances with current CAMA land use plan policies

1. The Town of Kitty Hawk has closely followed the goals, policies, and objectives of the adopted CAMA Land Use Plan. As mentioned previously, compatibility with the land use plan has been evaluated during the review of every development project, rezoning, and text amendment considered by the Town. Many of the current Town ordinances were adopted in an effort to support the goals, policies, and objectives found in the CAMA Land Use Plan. Among many benefits, these ordinances help preserve the Town's relatively low density residential character, limit development's impact on the environment, and minimize property damage during storms.

V. Current policies that create desired land use patterns and protection of natural systems

1. Reference to the Future Land Use Map and other policies regarding development patterns have provided the Town of Kitty Hawk with guidelines for siting development in appropriate areas. The existing zoning and actual development pattern of the Town are very similar to the recommendations of the plan.
2. Several policies relating to the safety of new development and the protection of private investment were used to support the Town's recent adoption of updated flood maps, a flood damage prevention ordinance, and stormwater management standards.
3. Policies relating to the protection of natural resources and water quality have been the guiding principles behind the Town's adoption and enforcement of requirements for stormwater management, erosion and sediment control, grading, and other land disturbing activities.
4. Emphasis placed on the preservation of Kitty Hawk's village atmosphere has led to the adoption of development standards that reflect the relatively modestly scaled, low density residential character of the Town.
5. Policies regarding the protection of sound waters support the Town's establishment of extraterritorial jurisdiction in Kitty Hawk Bay and the Albemarle Sound to limit undesirable and harmful activities in these waters.

ACTION PLAN AND SCHEDULE

1. Update the capital improvements plan (CIP).

Initiation: 2004

Completion: Updated on an Annual Basis

The Town of Kitty Hawk has annually updates its capital improvements plan (CIP), most recently adopting a five-year CIP in June, 2013.

2. Seek State funding assistance to develop a shoreline access plan.

Initiation: 2005

Completion: 2006 (implementation ongoing)

The Kitty Hawk Recreation Committee completed a study identifying existing beach access points, publicly owned properties along the oceanfront, and opportunities for new beach accesses in Kitty Hawk in 2006. The Town has acquired many properties, developed and improved beach access points, and continues to explore opportunities to fully implement the recommendations of this study.

3. Develop a parks, trails, and recreational facilities master plan.

Initiation: 2005

Completion: 2006/Updated 2013 (implementation ongoing)

The Kitty Hawk Recreation Committee developed a recreation master plan (including recommendations for parks, multi-use paths, and other recreational facilities) that was reviewed by the Planning Board and adopted by Kitty Hawk Town Council in August, 2007. The recreation master plan has been updated twice since that time, the most recent version adopted in May 2013. Several of the recommended parks, multi-use paths, and other improvements have been constructed.

4. Seek State funding assistance to develop a corridor study and plan for the NC 12 corridor and the oceanfront to include identification of: needs and opportunities; areas that may be targeted for improvement(s); and, improvement(s) options and alternatives. The study should also examine beach re-nourishment and preservation issues and options.

Initiation: 2005

Completion: 2013

The Town is participating in the development of a comprehensive transportation plan for Dare County that includes a thorough study and an evaluation of the N.C. Highway 12 corridor.

5. Seek State funding and technical assistance to develop a *corridor study and plan to address land use compatibility issues along U.S. 158 Bypass* to include: residential and commercial building and development design guidelines and standards; parcel inter-connectivity and reverse frontage developments; and general strategies to improve vehicular and pedestrian movement and visual aesthetics and reduce land use conflicts.

Initiation: 2005

Completion: 2013

The Town of Kitty Hawk has adopted a policy for interconnectivity between lots. The Town is participating in the development of a comprehensive transportation plan for Dare County that will explore vehicular, bicycle, and pedestrian improvements along U.S. Highway 158 Bypass. It is unlikely that any action will be taken toward the development of design guidelines in the near future.

6. Continue *citizen participation* in the Town planning process.

Initiation: On-going

Completion: On-going

The Town of Kitty Hawk has offered public education programs and sought considerable public input in a variety of ways (day/evening workshops, mailings, surveys, Town website, Town newsletter, etc.) when evaluating significant public projects, stormwater management and beach renourishment projects, wind energy facilities, and amendments to development standards.

7. Update *1999-2000 Storm Water Management Study*.

Initiation: 2004

Completion: 2005 & 2011

In late-2004, engineering firm Albemarle & Associates completed an updated stormwater management report and recommendations for implementation. Engineering firm Rivers & Associates prepared site specific storm drainage evaluations and cost estimates in March, 2005. The Town has funded several stormwater drainage improvement projects since that date. In 2011, Albemarle & Associates completed an updated stormwater management study that identifies solutions to recurring stormwater management issues in the Town.