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# Lake Mattamuskeet Watershed Restoration Plan

*November 7, 2017 Public Meeting*

# Agenda Overview

- 7:00 p.m. Welcome
- 7:05 p.m. Update on Stakeholder Progress: Erin Fleckenstein
- 7:15 p.m. Water Quality Trends and SAV in the Lake: Michelle Moorman
- 7:30 p.m. Waterfowl Trends in the Lake: Doug Howell
- 7:45 p.m. Results of Watershed Mapping and Survey Effort: Randall Etheridge
- 8:15 p.m. Next Steps of Plan Development: Erin Fleckenstein
- 8:20 p.m. Question and Comment Period
- 8:30 p.m. Adjourn





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# Update on Stakeholder Progress

# Major Progress To Date

- January 31, 2017 Funding partners commit to developing a watershed restoration plan
- May 8, 2017 Funding partners contract with the N.C. Coastal Federation to develop a watershed restoration plan
- Stakeholder Team has met four times since the contract was signed



# Stakeholders:

*Team Members*  
*Roles and Responsibilities*



# Stakeholder Charge

Responsible for directing the development of the watershed restoration plan for the Lake and its surrounding watershed and representing the various viewpoints, uses and goals of the Lake watershed's many stakeholders. They will serve as a sounding board and advisory committee for the duration of the plan development and prioritize key action items for inclusion in the final plan.

# Stakeholder Team

Daniel Brinn- Hyde Drainage

Pete Campbell- U.S. Fish and Wildlife Service

Michael Cahoon- Farming Community

Doug Howell- N.C. Wildlife Resources Commission

Art Keeney- Residential Community

Bill Rich- Hyde County Manager

Ben Simmons- Farming Community/Fairfield Drainage

Pat Simmons- Hospitality Industry

J.W. Spencer- Hyde County Soil and Water Board

James Topping- Residential Community

Joey Ben Williams- Impoundments



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# Draft Goals for Plan

Protect the **way of life in Hyde County**, including opportunities for fishermen, hunters, and other recreational users, promoting tourism, and enhancing agricultural and commercial fishing interests, **by supporting thriving populations of fish, waterfowl and other wildlife.**



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# Draft Goals for Plan

Manage lake levels to **reduce flooding** of residential, business, and farming properties in the watershed by implementing water level management strategies that improve the ability to move water from the lake to the sound and that mitigate other sources of flooding.



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# Draft Goals for Plan

Implement management actions, based on identified sources of **water quality** impairments to Lake Mattamuskeet, **to restore** an aquatic system that maintains *low nutrient inputs, low sediment loads and resuspension of sediments, low salinity levels, high water clarity, abundant SAV coverage, and minimal levels of phytoplankton.*



Goal- the ultimate desired result

**Benchmark-** Clearly Identified steps/progress points along the way leading to or helping to achieve the goal

**Action-** work that can be completed to move towards a benchmark or ultimate goal



Next Steps of Plan Development-  
*Erin Fleckenstein*

# Watershed Restoration Plan Development Process

Assemble Planning Team

Determine Water Quality and Quantity Conditions and Impairments

Complete Watershed Characterization

Establish Plan Goals, Objectives and Action Items

Calculate Runoff Reduction or Volume Control Needed

Identify Stormwater Reduction or Water Management Techniques

Develop Management Plan



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# Comments Collected Online

Secure | <https://www.nccoast.org/lake-mattamuskeet-watershed-restoration/>

## Subscribe to Lake Mattamuskeet updates

Email \*

First Name

Last Name

County


Please leave a comment for the watershed restoration planning team here. Please understand that the comments will be provided to the stakeholder team for their consideration. Comments received will not necessarily receive a personal response, but all will be taken into consideration in the development of watershed management strategies for the Lake watershed.

Notes

### Additional Resources

- Study Shows New Flap Gates at Lake
- ▶ Mattamuskeet Bring Minimal Water Flow Change — N.C. Wildlife Resources Commission
- ▶ Mattamuskeet National Wildlife Refuge Website — U.S. Fish and Wildlife Service
- Updates on current and historic status of the lake's ecosystem and wildlife — U.S. Fish and Wildlife Service
- ▶ Continuous Water-Quality Monitoring at Lake Mattamuskeet, North Carolina — U.S. Geological Survey
- ▶ Mattamuskeet Foundation

### What's New

 Lake Mattamuskeet public meeting set for Aug. 8  
July 24, 2017

Sign-up for emails and press releases;  
Submit Comments



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Questions?