

# NC Nutrient Scientific Advisory Board Meeting Summary

November 1, 2019 @ TJCOG

9:30 Am – 12:00 Pm

## Attendees

### Members / Advisors

Sally Hoyt - UNC  
Josh Johnson - AWCK  
J.V. Loperfido – Durham  
Andy McDaniel - NCDOT  
David Phlegar - Greensboro  
Haywood Phthisic - LNBA  
Allison Schwarz Weakley - Chapel Hill  
Sarah Waickowski – NCSU  
Forrest Westall - UNRBA  
Sandra Wilbur - Durham

### Guests

Joey Hester - NC Division of Soil and Water Conservation  
Keith Larick – NC Farm Bureau  
Alix Matos - Brown and Caldwell  
Sushama Pradhan - NC DHHS  
Jamie Smedso – UNC Chapel Hill  
Rahn Sutton - Contech

### DWR Staff [www.deq.nc.gov/nps](http://www.deq.nc.gov/nps)

Patrick Beggs  
Jim Hawhee  
Karen Higgins  
John Huisman

## Agenda Topics

- October 4, 2019 Meeting Summary
- Falls Lake Nutrient Management Strategy & UNRBA Re-examination
  - UNRBA Monitoring and Data Analysis to Support
  - Analysis of Loading to Falls Lake
  - UNRBA Modeling

**Meeting Materials and NSAB Charter are available online:** [www.deq.nc.gov/nps](http://www.deq.nc.gov/nps)

**The NSAB will plan to meet January 3, 2020, 9:30 am at TJCOG.**

## Meeting Summary

Patrick Beggs (DWR) opened the meeting with introductions and a review of the agenda.

**The Oct 4, 2019 meeting summary was approved.**

## Falls Lake Nutrient Management Strategy & UNRBA Re-examination

Alix Matos, of Brown and Caldwell, and Forrest Westall of the Upper Neuse River Basin association, presented on the Falls Lake Nutrient Strategy and Re-examination including Monitoring Loading to the lake, Data Analysis, Modeling, and an Alternative Implementation Approach for Stage I Falls Existing Development Rule. The [presentation can be found online](#). Data can be found at <http://monitor.unrba.org>.

The following is a summary of questions and comments during the presentation.

- 2007 was the worst year of drought. Nitrogen deposition has decreased greatly since 2007.
- Monitoring and modeling captures lake sediment but not legacy sediment form upstream.
- USACE did not amend the soil before the lake was filled.
- Alternative approach:
  - Seems to be many benefits, including cooperation across sectors.
  - Concerned about collaborative enforcement and financial responsibility.
  - Need to be sure to give credit for any investment in Existing development ahead of implementation.
  - Need to remember this a pilot study.
  - Still many details to work out at this point including, construction costs, operation and maintenance, in-kind service, larger governments being agents for smaller governments if needed.
- Everything learned in Falls can be used in Jordan and vice versa.
- Modeling and monitoring costs are being paid for by UNRBA dues.
- USACE lake operations are a very important aspect of rule implementation, communication and planning. We all need to work to continue to develop hat relationship throughout NC.

## Updates and Comments

- Street Sweeping and Storm Drain Cleaning Nutrient Credit Practices have been approved.
- Please have a JLOW update at each meeting.
- Rain in the past 15 months has made local flooding a huge concern. Any way we can tie reducing flooding to water quality will help get buy-in for future actions.
- Agree with the flooding comment – no one is talking about water quality, just flooding.
- DOT has an established research program. Maybe NSAB can keep a running inventory of research needs.
- Practices are designed to treat the 1 inch storm, but most nutrient loading comes from storms greater than 1 inch.

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