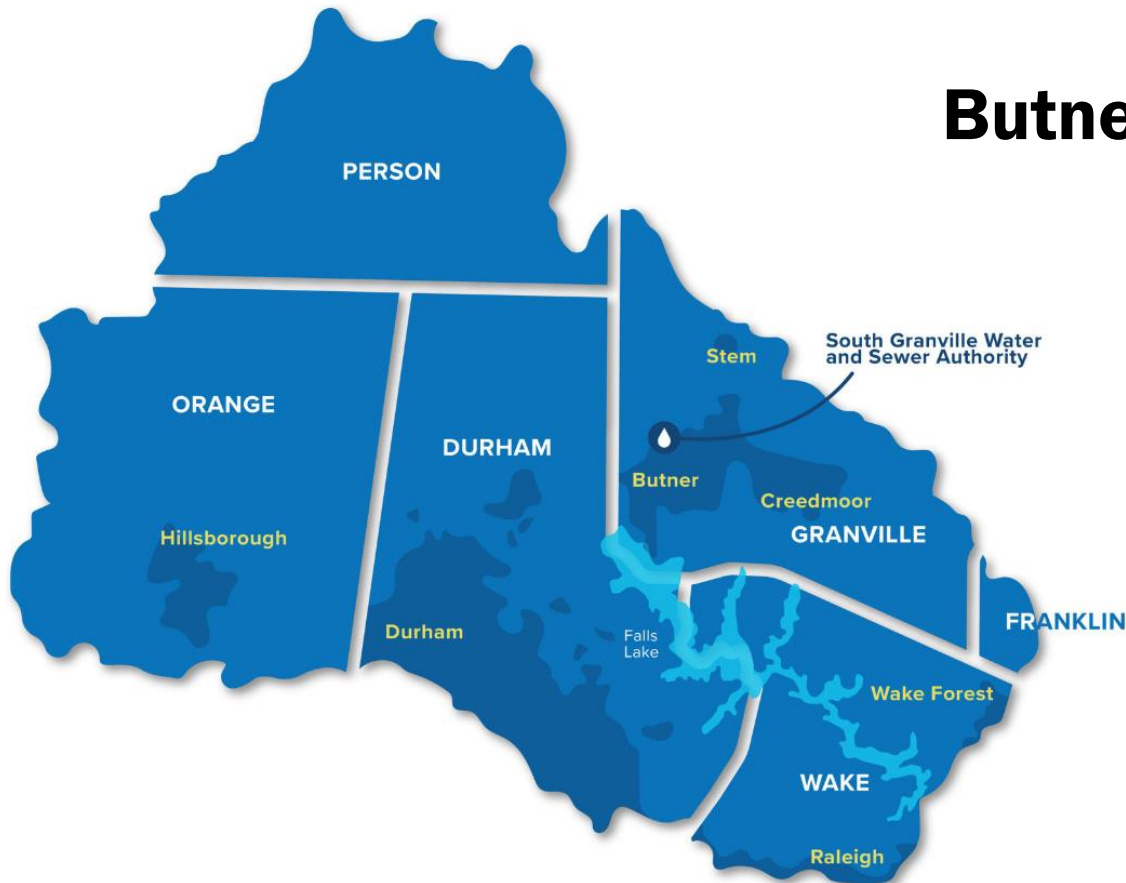




# UNRBA Board Meeting November 16, 2022

## Butner Town Hall



# Remote Access for UNRBA Board Meetings

Equipment Type	Access Information	Notes
Computers with microphones and speakers	<a href="#">Join Microsoft Teams Meeting</a> Please mute your microphone unless you want to provide input.	Press control and click on this link to bring up Microsoft Teams through the internet. You can view the screen share and communicate through your computer's speakers and microphone.
Computers without audio capabilities, or audio that is not working	<a href="#">Join Microsoft Teams Meeting</a> (888) 404-2493 Passcode: 379 349 920 # Please mute your phone unless you want to provide input.	Follow instructions above. Turn down your computer speakers, mute your computer microphone, dial the number through your phone and enter the passcode.
Phone only	(888) 404-2493 Passcode: 379 349 920 # Please mute your phone unless you want to provide input.	Dial the toll-free number and enter the passcode.

# Remote Access Guidelines

- This meeting will open 30 minutes prior to the official meeting start time to allow users to test equipment and ensure communication methods are working
- If you dial in through your phone, mute your microphone and turn down your speakers to avoid feedback
- Unless you are speaking, please mute your computer or device microphone and phone microphone to minimize background noise
- UNRBA meetings are open meetings; however, for this remote access meeting, please limit the discussion to UNRBA Board Members to facilitate moving through action items

# November 16, 2022, UNRBA Board Agenda

- **Opening—Sig Hutchinson, Chair**
- **Action Items of UNRBA Board of Directors**
  - Approval of September 21, 2022, Meeting Minutes
  - Approval of the Treasurer’s Report
  - Approval of 2023 Board and PFC Meeting Dates
  - Appointment of the Officer Nominating Committee
  - Appointment of the Personnel Committee
- **Action Items of CGC**
  - Approval of Year 1 Summary Report for the IAIA
- **Status Reports and Informational Items**
  - FY2024 Budget Discussion
  - Implementation Plan and Stakeholder Engagement for High Rock Lake
  - Modeling and Regulatory Support for the Re-examination of Stage II
  - Developing Recommendations for a Revised Nutrient Management Strategy and a Petition for a Site-Specific Chlorophyll-a Water Quality Standard
  - Communications Support
  - Ongoing Discussions/Issues
- **Closing Comments**

# Opening—Sig Hutchinson

# Opening

- Introductions and announcements
- Roll call for quorum
- Identification of any conflicts
- Review and approval of agenda

# **Action Items of UNRBA Board of Directors**

**Approval of  
September 21, 2022,  
Meeting Minutes**



# Approval of the Treasurer's Report

<b>Balance Forward: (per bank statement - 8/31/2022)</b>	Checking	\$	733,233.91
	Savings		574,816.73
<b>Debits:</b>			
McGill Asso. (2022 Invs)		\$	34,749.40
Sauber Water Quality Consulting (2022 Invs)			5,600.00
Brown & Caldwell (MRS, FY 22, Invs)			44,059.47
Brown & Caldwell (MRS, FY 23, 2022 Invs)			200,327.55
Phthisic Consulting, Inc. (2022 Invs)			93.75
Barnes & Thornburg (Legal, 2022 Inv)			1,117.50
Penn National (Gen Liability Ins Inv)			646.00
The Insurance Shoppe (O & D Insur. Inv)			1,186.00
MFG Consulting, LLC (2022 Invs)			510.00
Total Debits		\$	288,289.67
<b>Credits:</b>			
Interest (checking)		\$	197.87
Interest (savings)			1,679.88
Transfer to Savings Acct			600,000.00
Membership Fees (FY 2023)			570,697.15
<b>Account Balance (per bank statement - 10/31/2022)</b>	Checking	\$	415,839.26
	Savings		1,176,496.61
<b>Total UNRBA Account Balance :</b>		<b>\$</b>	<b>1,592,335.87</b>
<b>Outstanding invoices/deposits in process since the close of bank statement (9/30/2022):</b>			
<b>Debits:</b>			
McGill Asso. (2022 Invs)		\$	-
Brown & Caldwell (MRS, FY 22, 2022 Invs)			-
MFG Consulting, LLC (2022 Invs)			-
Sauber Water Quality Consulting (2022 Invs)			-
Phthisic Consulting, Inc. (2022 Invs)			-
Brown & Caldwell (MRS, FY 23, 2022 Invs)			-
<b>Credits:</b>			
Transfer from Savings to Checking		\$	-
<b>Current Account Balances:</b>	Checking	\$	415,839.26
	Savings		1,176,496.61
<b>Total UNRBA Account Balance :</b>		<b>\$</b>	<b>1,592,335.87</b>

# Approval of 2023 Meeting Dates

## Board Meeting Dates:

January 18, 2023  
March 15, 2023  
May 17, 2023  
June 21, 2023  
September 5, 2023  
November 15, 2023

## Path Forward Committee:

January 3, 2023  
February 7, 2023  
March 7, 2023  
April 4, 2023  
May 2, 2023  
June 6, 2023  
July 5, 2023 (?)  
August 1, 2023  
September 7, 2023  
October 3, 2023  
November 7, 2023  
December 5, 2023

PFC meeting dates may include a Modeling and Regulatory Support Workgroup (MRSW) meeting. The times of these meetings will be included in the invitations and announcements for these meetings. Please verify all meeting times on the UNRBA website at: <https://www.unrba.org/meetings> .

# **Appointment of Officer Nominating Committee**

## **Personnel Committee:**

**The Personnel Committee will meet in December to assess this year's activities and review the work provided under the Executive Director Services Contract**

**Motion to Recess the Regular Session of  
the UNRBA Board to Sit as the  
Compliance Group Committee**

# **Action Items of Compliance Group Committee (CGC)**

## Approval of Year 1 Summary Report for Interim Alternative Implementation Approach (IAIA)

- Implementation of the IAIA began July 1, 2021
- Year one of the program ended June 30, 2022
- Press releases were developed for the UNRBA and the jurisdictions (template)
- Annual reports from participants reflecting first-year investment commitments were submitted to DWR to assess individual compliance
- Copies were provided to the UNRBA CGC for summary reporting
- The Executive Director provided a cover letter and a final summary tables to the CGC for review and approval
- [Summary tables follow](#)

# Summary of Year 1 Funding Allocations

Participant	Total Funds Committed	Total Funds Allocated
Wake County	\$88,968	\$ 1,973,493
City of Raleigh	\$466,081	\$ 1,745,485
City of Durham	\$337,587	\$ 960,268
Orange County	\$161,943	\$ 342,878
Durham County	\$133,300	\$ 148,394
Person County	\$114,394	\$ 114,394
Granville County	\$100,453	\$ 100,453
Town of Hillsborough	\$34,221	\$ 41,871
Town of Butner	\$23,393	\$ 23,393
Franklin County	\$19,058	\$ 19,058
City of Creedmoor	\$16,926	\$ 16,926
Town of Wake Forest	\$13,692	\$ 13,692
<b>Total</b>	<b>\$1,521,621</b>	<b>\$ 5,511,909</b>

All IAIA participants have [met or exceeded](#) their commitment levels.



# Year 1 Summary by Project Type

Project Type	Total funds allocated
Land conservation	\$3,951,898
Green infrastructure and other best management practices (BMPs)	\$964,729
Stormwater control measures (State-approved SCMs)	\$237,179
Planning and administrative costs associated with the participation in the IAIA or planning for projects (watershed studies, design, permitting, etc.)	\$162,086
Illicit discharge detection and elimination	\$152,377
Programmatic measures	\$21,338
Stream and riparian buffer restoration and enhancement	\$14,074
Projects and activities that focus on flooding that have an associated water quality benefit	\$4,846
Projects in greenways and parks with water quality and quantity benefits	\$3,383
<b>Total</b>	<b>\$5,511,909</b>

**Motion to Recess the Compliance Group  
Committee to Resume Regular Session of the  
UNRBA Board**

# **Status Reports and Informational Items**

# **FY2024 Budget**

# **DWR Implementation Plan and Stakeholder Engagement for High Rock Lake**

# **DWR Implementation Plan and Stakeholder Engagement for High Rock Lake**

- The first DWR stakeholder meeting was held on September 29, 2022
- The DWR process is anticipated to take approximately 2 years to develop draft rules
- The Executive Team will track this process and provide updates to the UNRBA as needed

# **Modeling and Regulatory Support for the Re-examination of Stage II**

# Watershed Modeling and Report Status

- The Watershed Analysis Risk Management Framework (WARMF) model for the Falls Lake watershed has been calibrated for stream flows and water quality
- The draft modeling report has been submitted to the Modeling and Regulatory Support Workgroup (MRSW) and DWR for review.
- The modeling team is compiling and responding to comments to prepare a final draft for review by the PFC followed by formal submittal to DWR.
- The final report and appendices will be distributed to the Board following the review process.



# Lake Modeling Status

- The three lake models are being developed
  - Water quality (WQ):
    - WARMF Lake (presented calibrated model in November to MRSW; planning a training workshop for later this year)
    - Environmental Fluid Dynamics Code (EFDC) (will present to the MRSW in December)
  - WQ and designated uses:
    - Statistical/Bayesian model under development
- The modeling team is coordinating local and national researchers to supplement the extensive database developed by the UNRBA, our members, and DWR.
- Extensive vetting through identified SMEs, third-party reviewers, our membership representatives, and DWR

**Developing Recommendations  
for a Revised Nutrient  
Management Strategy and  
Petition for a Site-Specific  
Chlorophyll-a Water Quality  
Standard**

## **Developing Recommendations for a Revised Nutrient Management Strategy and a Petition for a Site-Specific Chlorophyll-a Water Quality Standard**

- The UNRBA has been meeting with DEQ and DWR leadership to discuss coordination efforts to
  - Finalize the models
  - Develop a revised nutrient management strategy
  - Develop a petition for site specific criteria
- DWR will identify a contact for standards development
- The UNRBA will continue to work with other stakeholders on these items as well
- The subject matter experts continue to evaluate other State's site-specific standards for chlorophyll-a and nutrient-related standards
- Dr. Marty Lebo continues to integrate his work into the statistical modeling and regulatory support efforts

# Timeline for Developing Recommendations for a Revised Nutrient Management Strategy

- December through March PFC meetings - discuss **PRELIMINARY DRAFT** concepts, administration, and reporting
- Workshop with Board members following PFC discussions
- Spring 2023 - draft concepts document and expanded stakeholder engagement
- Draft program document by late summer
- Stakeholder workshop in Fall 2023 to review a final draft
- Legislation requires that the NC Policy Collaboratory submit their final Falls Lake report by December 2023
  - We would like to provide our report to the Collaboratory for reference before they finalize theirs
  - Legislation also indicates that information from other groups also should be submitted by December 2023
- DWR to begin rule making within 6 months/no later than December 2024 which would begin their stakeholder process
- DWR anticipates rules readoption by 2026/2027

# Basis for Concepts and Current Intent

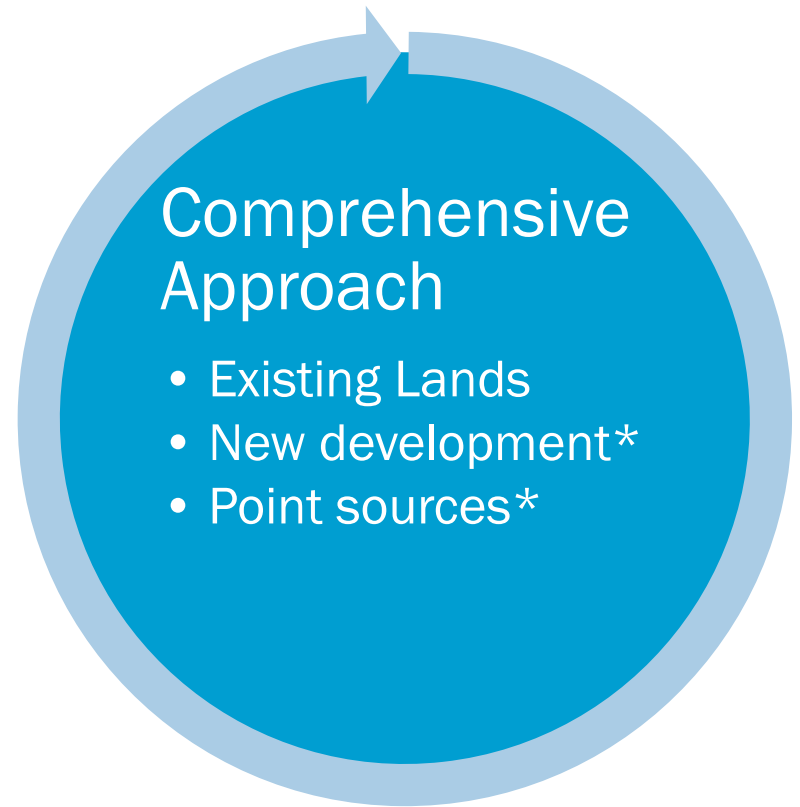
- Preliminary concepts gathered from discussions and input from internal and stakeholder stakeholders
- Discussions based on scientific studies and evaluations
  - Findings from the UNRBA's Monitoring Program
  - Results of the watershed modeling effort
  - Ongoing development of the lake models
  - Support and development of the IAIA
  - Research efforts to date from Collaboratory funded projects
- Current intent
  - Frame the concepts, alternatives, and considerations that have been identified to this point
  - Evolve as input from other stakeholders is received

# Evolving Principles for a Revised Strategy

- Embrace a systems approach focusing on right-sized solutions
- Create an adaptive program with look-back period
- Continue to build on the excellent cooperation and collaboration provided by the stakeholders – avoid silos
- Expand types of voluntary participants (ag, minor WWTPs, etc.)
- Allow tiered participation (those with quantifiable requirements versus potential partners like agriculture)
- Focus on whole watershed health and local implementation
- Develop a fair and equitable program
- Build on the IAIA, tracking compliance by investment levels and tracking nutrient reductions as supplemental information
- Address environmental and social justice issues
- Consider sustainability, energy reductions, and other water resource benefits in addition to nutrient reductions

# Nutrient Reduction Opportunities

- Existing lands
  - Urban development
  - State and Federal lands
  - Institutions
  - Stream bank erosion/restoration
  - Agriculture
  - Forest management
  - Atmospheric deposition and climate resilience
  - Sanitary sewer overflows
  - Onsite wastewater treatment systems
- New development\*
- Point sources\*



\*These are listed separately because they have separate regulatory requirements.

# Next Steps

- Discussions will continue with the PFC and external stakeholders
  - Preliminary concepts
  - Administration
  - Potential partnerships
- The Executive Director will continue to brief the Board and provide more details in the new year
- Workshop with the Board will occur once the PFC has worked through the preliminary concepts



# Communications

# American Rivers Announces the Neuse River as the 2022 National River of the Year



October 17, 2022



Wake County Growth and Sustainability Committee

# The UNRBA's Innovative Approaches to Stormwater Management: Focus on Water Quality and Sustainability

October 24, 2022



Flat River during a high  
flow sampling event



# Communications Outreach and Preparation

- Continued engagement with DWR
- Planned workshops and symposia
  - WARMF Model Training with UNRBA and DWR - Winter 2022
  - UNRBA Technical Stakeholder Workshop - Winter 2023
  - Workshop with local government communications staff – Spring 2023
  - Workshop with DWR/NC Policy Collaboratory/NGOs - Spring 2023
  - Joint symposium with NC Policy Collaboratory - Summer 2023
  - Stakeholder workshop to discussed final draft strategy - Fall 2023
- Recent staff changes at member local governments highlight the need for UNRBA engagement from multiple staff across the levels of each local government.
- The Executive Director will continue to reach out to local government staff to identify needs and support staff with implementation of the IAIA Program and participation in developing the revised nutrient management strategy.

# Ongoing Discussions/Issues

# Ongoing Discussions/Issues

- Management of expectations and resources—A lot to do between now and recommendations in 2023—We need to move the effort forward efficiently and focus on the objective of making our recommendations
- Consideration of reengaging DEQ about the MOA
- Neuse Watershed Model Information Session / Delivery Factors for WWTP

# Closing Comments

**Next UNRBA Board Meeting is Scheduled for January 18, 2023 (subject to meeting schedule decided during this meeting)**

**This meeting is currently planned as an in-person meeting with an option for remote access pending any changes in meeting protocol by the Board**