



Nutrient Management Strategy Reexamination Milestones

2011 to 2018

Successful investments in nutrient reduction throughout the basin improve water quality in Falls Lake



DWR approves modeling framework and procedures | UNRBA begins model set-up



UNRBA hosts two technical workshops and compiles data from stakeholders



UNRBA develops framework for Stage II Reexamination



DWR approves monitoring program | UNRBA begin monitoring in 2014 and finishes in 2018



Program collects over 28,000 observations!

NC General Assembly sets a 2023 end date for the reexamination process



2019

MODELING CONTINUES

UNRBA releases its final Monitoring Report



Communication and support-building continue throughout the reexamination process



UNRBA continues to develop computer models of Falls Lake and its watershed



UNC Collaboratory begins its Falls Lake evaluation



2020

MODELING STREAM FLOWS AND LAKE LEVELS

Falls Lake Regulatory Forum



FOCUS I Briefing jurisdictional leaders on the status of reexamination

Third Technical Stakeholder Workshop



FOCUS I Calibration of stream flows and water levels

UNC Collaboratory continues its Falls Lake evaluation



UNRBA calibrates models to observed stream flows and lake water levels



Communication and support-building continue



2021

MODELING WATER QUALITY

UNRBA calibrates models to observed water quality in streams and Falls Lake



Fourth Technical Stakeholder Workshop



FOCUS I Calibration of water quality

The UNC Collaboratory releases its first interim report on Falls Lake



Falls Lake evaluation continues

UNRBA begins reaching out to stakeholders to develop and vet potential replacement strategies for managing nutrients



Communication and support-building continue



CONTINUE FOR 2022-2024



2022

COMPARING MANAGEMENT ACTIONS

UNRBA uses models to compare nutrient management actions



How do actions in the watershed and lake affect the lake's water quality?

How feasible and cost-effective are different kinds of management actions?

Is the current chlorophyll-a standard for Falls Lake attainable?

Are regulatory alternatives warranted for this man-made water body?

UNRBA releases its Final Modeling Report



DOCUMENTS | Model development, calibration, and scenario evaluations

Communication and support-building continue



Watershed and lake models complete!

UNRBA submits models to DWR for review and approval.



Fifth Technical Stakeholder Workshop

FOCUS | Assessing management actions

Feedback guides direction for revised nutrient management strategy



The UNC Collaboratory releases its second interim report on Falls Lake

Falls Lake evaluation continues

2023

PROPOSING A NEW STRATEGY

UNRBA releases its draft strategy proposal



Communication and support-building continue



The UNC Collaboratory releases its final report on Falls Lake



Sixth Technical Stakeholder Workshop

FOCUS | Presenting the revised nutrient management strategy



UNRBA Water Summit on Nutrient Management Recommendations



UNRBA submits its recommendations to the EMC

2024

REACHING CONSENSUS ON A STRATEGY ADOPTION PROCESS

Communication and support-building continue throughout the basin



Revised strategy implementation steps begin!



Seventh Technical Stakeholder Workshop

FOCUS | Update on the path to adoption



Strategy adoption approach selected

Who are we?

The UNRBA is a non-profit organization comprised of six municipalities, six counties, six local soil and water conservation districts, and a regional water and sewer authority. Since 1990, we have been dedicated to providing a forum for considering and promoting innovative approaches to water quality planning and management in the Upper Neuse River Basin's 770-square-mile watershed. For more information about the Association and our mission, visit UpperNeuse.org.