

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

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

MODELING STREAM FLOWS AND LAKE LEVELS

Falls Lake Regulatory Forum

FOCUS | Briefing jurisdictional leaders on the status of reexamination



Third Technical Stakeholder Workshop

FOCUS | 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

MODELING WATER QUALITY

Fourth Technical Stakeholder Workshop

FOCUS | Calibration of water quality



The UNC Collaboratory releases its first interim report on Falls Lake

Falls Lake evaluation continues



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

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

Communication and support-building continue

UNRBA hosts Basin-Wide Stakeholder Summit

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

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

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

2019

2020

2021

2022

2023

2024