

**Modeling and Regulatory Support Workgroup (MRSW) and  
Path Forward Committee (PFC) Meetings**  
July 7, 2020, 9:00 AM to 1:10 PM  
**Remote Access Only (see last page of agenda for instructions)**

Materials related to the MRSW and PFC Meetings have been placed on the UNRBA website unless noted otherwise on the [Meeting page](#). A direct link to the meeting presentations are provided [at MRSW Meeting Presentation for July 7, 2020](#) and [PFC Meeting Presentation for July 7, 2020](#).

**Modeling and Regulatory Support Workgroup Agenda, July 7, 2020, 9:00 to 10:30**

- I. **Opening Comments, Agenda Review/Revisions — Chair, Michelle Woolfolk**
- II. **Discuss Example Model Output Formats to Consider for UNRBA Reporting**  
Item Summary (Michelle Woolfolk and Alix Matos): The UNC Collaboratory has presented modeling results (calibration and scenario evaluations) to the MRSW and PFC over the past several months for their modeling of Jordan Lake. The UNRBA Modeling Team has presented preliminary modeling output and performance statistics for the watershed model calibration of stream flow. The Chair of the MRSW would like to discuss potential model output formats with the MRSW to inform final reporting and communication of UNRBA modeling results. This discussion will focus on **model performance for stream flows and lake levels** that compares simulated to observed values. During subsequent meetings we will discuss water quality in streams and lakes, summarizing model output, and comparing model scenarios. Suggested resource (particularly minutes 37:30 to 1:00:04):  
<https://www.epa.gov/waterdata/surface-water-quality-modeling-training>.
- III. **Discuss Potential Training Topics for MRSW**  
Item Summary (Michelle Woolfolk): The Chair of the MRSW would like to hear from the MRSW members on questions they have about the models and training topics for the workgroup. These topics may be for the near term while the models are under development or future topics once the models are calibrated.
- IV. **Modeling and Regulatory Support Status**  
Item Summary (Alix Matos): The Modeling Team provided a draft interim modeling report to the Executive Director at the end of June. Following revisions in response to Executive Director feedback, the draft will be provided to the MRSW. This is an interim draft for the watershed modeling. Discussions with the MRSW on reporting formats will inform final deliverables.

**Path Forward Committee Agenda, July 7, 2020, 10:40 to 1:10**

- I. **Opening Comments, Agenda Review/Revisions — Co-Chairs Kenny Waldroup and Michelle Woolfolk**
- II. **Status of the UNRBA Stage I Existing Development Interim Alternative Implementation Approach (IAIA) Program Development — Informational Item**  
Item Summary (Forrest Westall): On June 17, 2020, the UNRBA Board of Directors discussed the status of the IAIA Program Document, the pros and cons of forming a separate compliance organization, and the benefits of involving Board members in near-term discussions with the legal group and PFC. A summary of the discussion by the Board will be provided and follow up actions identified. DWR indicated during the June 17, 2020 Board meeting that they are on track to provide a draft Model Program for the UNRBA to

review in July 2020. Review options in the management of the IAIA program and input from the Legal Group.

**III. DWR 2020 Integrated Report and 303(d) Assessments**

Item Summary (Jay Sauber): The DWR draft Integrated Water Quality Assessment Report and the 303(d) list for 2020 were previously anticipated for June 2020. This target date has been pushed back to probably late September 2020 or perhaps even later.

**IV. North Carolina Nutrient Criteria Development Plan, Scientific Advisory Council (SAC) Report for High Rock Lake Site Specific Chlorophyll-a Criteria**

Item Summary (Jay Sauber): The SAC released its report “A Chlorophyll-a Criterion for High Rock Lake.” A summary of the report and the SAC June 17, 2020 meeting will be provided.

**V. EPA Federal Register Notice May 22, 2020 - Draft Ambient Water Quality Criteria Recommendations for Lakes and Reservoirs**

Item Summary (Jay Sauber): EPA noticed their Draft Ambient Water Quality Criteria Recommendations for Lakes and Reservoirs of the Conterminous United States: Information Supporting the Development of Numeric Nutrient Criteria on May 22, 2020. The criteria are models that yield total nitrogen and total phosphorus concentrations to protect the designated uses of Aquatic Life, Recreation, and Drinking Water. These models, based on a 2007 EPA national lake survey, will replace EPA criteria based on the ecoregion/reference condition approach. If adopted, this document could potentially influence the UNRBA re-examination process review by EPA and the DWR. Executive Director Recommends that the UNRBA submit formal comments on the EPA Draft Criteria document for lakes to be included in the Federal Docket.

**VI. Site Specific Chlorophyll-a Criteria in Relation to Falls Lake**

Item Summary (Forrest Westall): Following the discussion of the site specific chlorophyll-a criteria for High Lake, the PFC will discuss the coordination of the Falls Lake chlorophyll-a site-specific standard effort with the Legal Support work and the incorporation of this initiative in the MOA.

**VII. Modeling and Regulatory Support Status — Informational Item**

Item Summary (Alix Matos): On June 17, 2020, the UNRBA Board approved the FY2021 Modeling and Regulatory Support and Communication Support contract. Subcontracts with Systech Water Resources, Dynamic Solutions, and KDV Decision Analysis have been executed. Additional subcontracts are in process. The Modeling Team delivered a preliminary draft, interim modeling report for the Falls Lake WARMF watershed model to the Executive Director at the end of June. Following revisions in response to comments, this interim report will be provided to the MRSW for review and input and then to the PFC. Final execution of the 319 grant to modify the simulation of onsite wastewater treatment systems is in process at DEQ.

**VIII. Other Status Items—Information Item**

Item Summary (Forrest Westall): Brief statements on several ongoing activities:

- Communications work for 2020-2021
- Coordination with the Collaboratory on Falls Lake studies
- Ongoing DEQ/DWR Items—MOA, 303(d), chlorophyll-a, lake segmentation, 2019 UNRBA Data Report meeting, IAIA meeting, etc.

**IX. Closing Comments— Co-Chairs Kenny Waldroup and Michelle Woolfolk**

**Next MRSW Meeting: August 4, 2020, Time and location to be determined**  
**Next PFC Meeting: August 4, 2020, Time and location to be determined**  
**Next BOD Meeting: September 16, 2020, 9:30 AM to Noon, Location to be determined**

### Remote Access Instructions for the MRSW and PFC Meetings

**This meeting will open 10 minutes prior to the official meeting start time to allow for users to test equipment and ensure communication methods are functioning.**

Equipment Type	Access Information	Notes
Computers with microphones and speakers	<a href="#">Join Microsoft Teams Meeting</a> <b>Please mute your microphone unless you want to provide input.</b>	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: 371 817 961# <b>Please mute your phone unless you want to provide input.</b>	Follow instructions above. <b>Turn down your computer speakers, mute your computer microphone</b> , dial the number through your phone and enter the passcode.
Phone only	(888) 404-2493 Passcode: 371 817 961#	Dial the toll-free number and enter the passcode. <b>Please mute your phone unless you want to provide input.</b>

### Remote Access Guidelines

- 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/device microphone or phone microphone to **minimize background noise**