

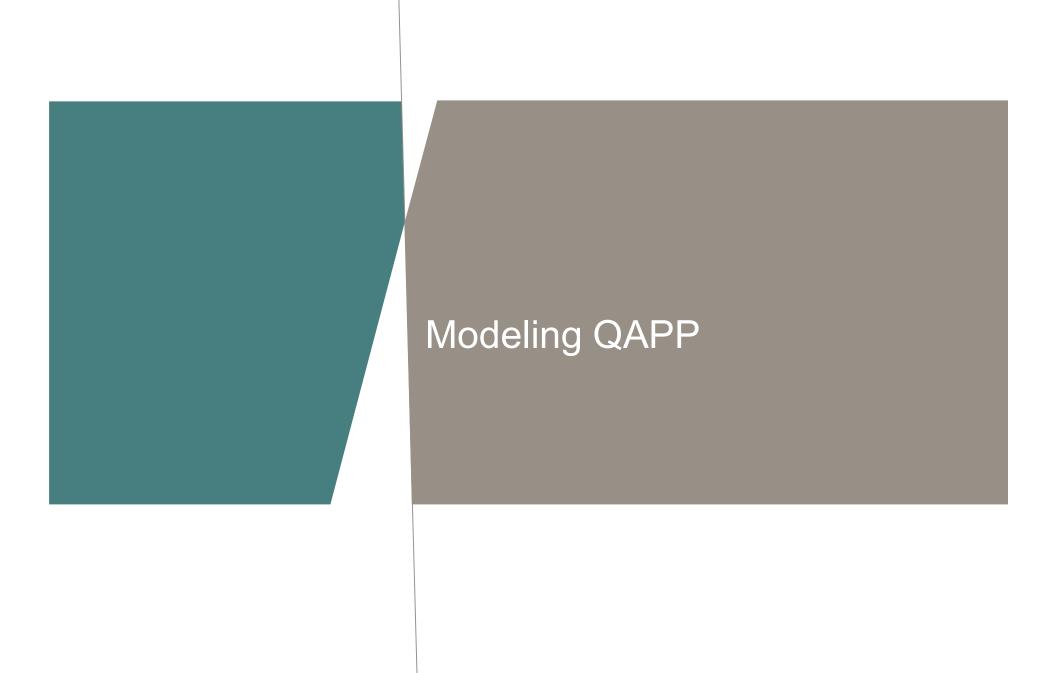




# UNRBA Modeling and Regulatory Support Path Forward Committee August 2017









#### Modeling QAPP – Status

- > Members of several groups have reviewed the draft QAPP
  - UNRBA MRSW and PFC
  - Representatives from agriculture
  - DWR
  - NCDOT
- > Met with MRSW on June 20<sup>th</sup> to discuss responses to comments
- > Provided a revised draft to MRSW and PFC on June 24th
- > Provided interim draft to DWR to review revisions on July 11<sup>th</sup>
- > Received additional comments from DWR on July 28<sup>th</sup>
- > Will provide a revised draft to the MRSW after comments have been addressed and contractor roles have been updated
- > Will finalize and distribute to DWR and EPA





## Status of Contract Development for MRS Project

- > The UNRBA Board of Directors voted to approve the Brown and Caldwell team for Year 2 of the project
- > Contract period will be Sept 20 to June 30
- Executive Director distributed draft contract and scope of work for review by the MRSW and PFC
- > Address comments and distribute for Board review prior to the September 20<sup>th</sup> Board meeting
- > Open discussion at the end of this status update



# Year 2 Scope of Work (Draft)

- > Develop the EFDC model grid
- > Begin exploratory analyses for statistical modeling
- > Review the FY2018 Monitoring Program Annual Report and recommendations regarding the need for a 5<sup>th</sup> year of data
- > Compile and summarize watershed characterization datasets
- > Work with stakeholders including DWR, EPA, and UNC to ensure that data sets and assumptions are appropriate, accurate, and reflect the best available information
- > Develop a data management plan



#### Preparing for Data Acquisition – July PFC Discussion

- > Land use/land cover data
  - Spatial coverages at higher resolution (e.g., Durham Co and City)
  - Ground truthing information (e.g., agricultural representatives)
  - Corrections/modifications (e.g., NCDOT)
- > Wastewater data
  - Discharge flow rates and concentrations (daily to weekly)
  - Inventories of onsite site disposal systems, failure rates, complaints, etc.
- > Impoundments data
  - Stage/storage relationships
  - Outlet control structure data
  - Water withdrawals



### Preparing for Year 2 Kickoff Meeting

- > Likely be after a PFC meeting
- > Project overview
  - Goals, big picture
  - Overall schedule and where we are now
- > WARMF model overview
  - Data needs and formats
  - Interpretation and assumptions
- > Small group session by sector
  - What data is available and how long will it take to compile?
  - Who are the primary contacts?
  - What are the concerns about use of the data?
  - Lessons learned from similar projects?



# PFC Discussion of the Contract and Scope of Work