

UNRBA Board Meeting

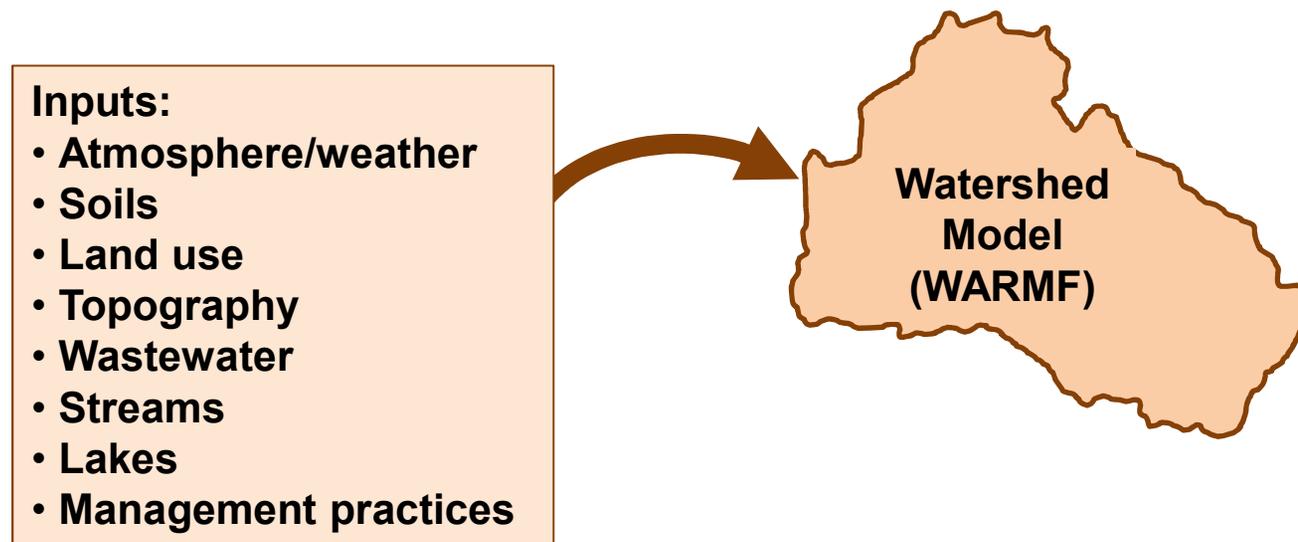
MRS Project Status Update

May 16, 2018



Data Acquisition to Support Modeling

- Continuing to receive data from organizations in the watershed
 - Drafting the data management plan to quality assure the data as it is used
 - Summarizing the data received for review by UNRBA and stakeholders
 - Include 3rd party reviewers as available



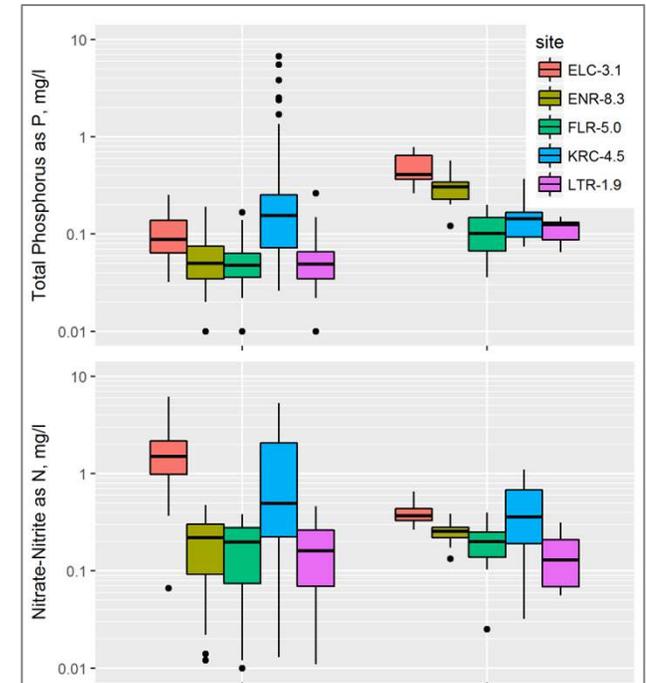
Highlight Recent Data Provided by NC Department of Agriculture

- County level data
 - Provided for 2007 and 2011 through 2016
 - Crop acres planted (including pasture)
 - Nitrogen fertilization rates for each crop (includes all types)
- Crop Data
 - Planting times
 - Harvest times
 - Fertilization frequency and timing
- Six counties
- Seven years
- Twenty crops



Modeling Team Review of the Annual Report and the UNRBA Monitoring Program

- The water quality data collected is sufficient to develop the watershed and lake models
- Additional parameters or special studies are not needed
- A fifth year of monitoring would not likely provide further benefit to the model (the model period ends in 2018)
- Supporting analyses would be beneficial to the modeling
 - Cluster analyses of in-lake monitoring stations
 - Evaluation of lake profile data
 - Updated load estimations for the big five tributaries



Questions ?

