



UNRBA
Modeling and
Regulatory Support
Board of Directors Meeting
June 2017



June 21, 2017



Year 1 Goals for the Project (Sep 2016 to Sep 2017)

- ✓ > Project Kickoff Meeting on September 28th to hear concerns of stakeholders
- ✓ > Select modeling packages to support the reexamination
 - Watershed
 - Lake
- ✓ > Describe how multiple models will be used together in the Conceptual Modeling Plan memo
- ✓ > March 16th WRRRI Falls Lake Session to engage stakeholders
 - > Develop a Modeling Quality Assurance Project Plan (QAPP)
 - > Develop a modeling work plan



Status of the Modeling QAPP

- > Initial draft has been reviewed by the Modeling and Regulatory Support Workgroup
- > Revised draft has been reviewed by the PFC, DWR, NCDOT, and agricultural representatives
- > Contractors provided preliminary revisions and discussed with the MRSW and PFC on June 20th
- > Revise based on feedback and submit revised draft to DWR in July



Status of the Modeling Work Plan

- > Initial draft under review by MRSW and PFC
 - Incorporates UNRBA proposed revisions to the schedule
 - Includes time for stakeholder and agency participation throughout the project
 - As monitoring scales back, modeling will ramp up
 - Provides example activities and budgets for the monitoring and modeling/regulatory support activities



Budget Considerations for Long-term Work Plan

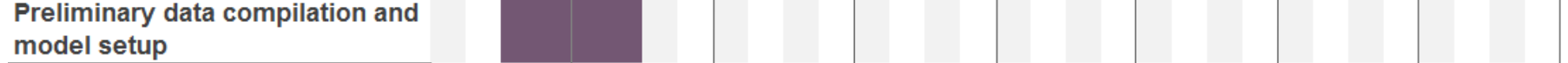
- > UNRBA approved budget for reexamination is \$800,000 per year
- > Reexamination package is to be completed by mid 2023
- > Budget for the Modeling and Regulatory Support project depends on
 - Monitoring Program level of effort (scaling back over time)
 - Legal support will ramp up over time
 - Parallel with modeling
 - Provide recommendations on alternative management strategies or regulatory options as needed



Draft Work Plan – Example Activities for Next Year

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

ACTIVITY	2017	2018	2019	2020	2021	2022	2023	2024
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UNRBA Activities
 UNC Activities Required by SL 2016-94
 Interim * Reports
 Changes proposed by the UNRBA regarding UNC and EMC Activities