

UNRBA
Monitoring Program
PFC Meeting
July 2015



Project Update





FY 2016 Program

- Contract and Budget Fully Approved and Work Under Way
 - Routine Monitoring
 - Lake Loading
 - Jurisdictional Boundaries
 - In-Lake
 - Special Studies
 - Nine studies listed in contract
 - One identified as “optional” (Obtaining new light penetration data)
 - Contract executed with Environment 1 for Routine Monitoring support



FY 2016 Project Schedule

- Routine Monitoring
 - Lake Loading Stations
 - 18 streams sampled first week of each month
 - Jurisdictional Boundary Stations
 - 20 streams sampled second week of each month
 - “Big 5” Lake Loading Stations
 - 5 streams sampled again third week of each month
 - (Ellerbe Creek, Eno River, Flat River, Knap of Reeds Creek, Little River)
 - In-lake Stations
 - 12 samples obtained from DWR laboratory for analysis of light absorbance at 440nm and 254nm, based on DWR sampling schedule



Routine Monitoring - Data Collection Status

Date	Sample Collection	Sample Analysis	Data Review	Posted to Database
Aug-2014	✓	✓	✓	✓
Sep-2014	✓	✓	✓	✓
Oct-2014	✓	✓	✓	✓
Nov-2014	✓	✓	✓	✓
Dec-2014	✓	✓	✓	✓
Jan-2015	✓	✓	✓	✓
Feb-2015	✓	✓	✓	✓
Mar-2015	✓	✓	✓	✓
Apr-2015	✓	✓	✓	✓
May-2015	✓	✓		
Jun-2015	✓	✓		
Jul-2015	✓			



FY 2016 Project Schedule

- **Special Studies**

- Storm Event Sampling

- Awaiting suitable rain event this summer to perform next event on Ellerbe Creek and Eno River

- Sediment Evaluation

- Laboratory analysis of 20 cores in progress
- Draft report expected from Dr. Alperin in September

- High Flow Sampling

- 8 of the Lake Loading Stations
 - 3 with largest contribution to the lake, and 5 with sluggish character
- Awaiting suitable rain event this summer to perform next event

- Lake Constriction Point Monitoring

- Plan being finalized to allow for Summer 2015 event



FY 2016 Project Schedule

- **Special Studies**

- Volatile Suspended Solids Measurement
 - DWR adding VSS to its monthly in-lake monitoring (beginning next January)
 - Cardno handling Lake Loading Stations
 - Cost is in Routine Monitoring Budget, not Special Studies
- Basic Evaluation of Model Performance
 - Plan is being developed
- Recreational Use Surveys
 - Plan is being developed



FY 2016 Project Schedule

- **Special Studies**

- Obtain Light Penetration Data
 - Falls Lake light penetration data located on STORET
 - 173 paired measurements from 1986-1991
 - Secchi and 99% attenuation depth
 - DWR also tentatively agreed to collect additional data in early 2016
- Obtain new Light Penetration Data (optional contract item)
 - May not be necessary in light of DWR data
 - UNRBA may avoid funding the collection of new data
 - \$20,000 optional allocation



Minor Changes for 2016 Program

- Relocation of monitoring location on North Flat River
 - Safety concerns at former location
 - Station moved upstream to next road crossing
 - Discussed/approved by Forrest Westall, Jay Sauber, Haywood Phthisic
- Measurement of Air Temperature Deleted from Routine Monitoring
 - Data from NOAA to be used instead
 - Discussed/approved by Forrest Westall, Jay Sauber, Haywood Phthisic
- Updated Monitoring Plan Document for 2016
 - To be submitted prior to the next PFC meeting
- Updated QAPP for 2016
 - To be submitted prior to the next PFC meeting



Discussion, Questions, and Feedback Welcome

