

UNRBA Path Forward Committee

# Monitoring Program Status Update

January 24, 2018



# Routine Monitoring Update

January 2018

# Routine Monitoring Status

Date	Sample Collection	Sample Analysis	Data Review	Posted to Database
Aug – Dec 2014	✓	✓	✓	✓
Jan – Dec 2015	✓	✓	✓	✓
Jan – Dec 2016	✓	✓	✓	✓
January 2017	✓	✓	✓	✓
February 2017	✓	✓	✓	✓
March 2017	✓	✓	✓	✓
April 2017	✓	✓	✓	✓
May 2017	✓	✓	✓	✓
June 2017	✓	✓	✓	✓
July 2017	✓	✓	✓	✓
August 2017	✓	✓	✓	✓
September 2017	✓	✓	✓	
October 2017	✓	✓		
November 2017	✓	✓		
December 2017	✓			
January 2018	✓			

As of December 2017, the UNRBA has generated 41 months, 3 full growing seasons, and 3 full calendar years of water quality data.

# Routine Monitoring Activities Ahead

- Annual Report in preparation
  - Due in April 2018
  - More extensive analysis than in prior reports
  - Working with SME's and modeling team on content
- Consider changes to Routine Monitoring after October 2018
  - Work closely with Path Forward Committee
  - Include recommendations in Annual Report
  - Develop preliminary monitoring budget for FY2019

# Special Studies Update

January 2018

# Sediment Study



# **Sediment Study**

- Working closely with Dr. Marc Alperin (UNC) to finalize report on sediment sampling and analysis
- To be included in the Annual Report
- Results to be provided to the modeling team

# High Flow Sampling



# High Flow Sampling Event (FINALLY!)

- Thanks to an unexpectedly strong downpour over Durham on the morning of January 22, we conducted the first High Flow Event of FY2018.
- We received USGS alerts around 8:00 am.
- Flows in some of the target streams jumped two orders of magnitude
- By the time we got to the stations, flows had already fallen off sharply, but with the exception of Flat River, they were all still up enough to count as a high-flow event.

## Other Activities

- Considering additional efforts to address Designated Use support
  - Addressing the Biological Integrity facet of the standard, for example
  - Working with Forrest and his Subject Matter Experts, the Modeling and Regulatory Support Workgroup and the PFC
  - Assessing available information and data
  - Considering whether supplemental data acquisition or analysis may be warranted