

UNRBA
Monitoring Program
PFC Meeting
October 2015



Project Update





FY 2016 Program

- Routine Monitoring Proceeding Smoothly
 - 18 Lake Loading stations
 - 20 Jurisdictional Boundary stations
 - 12 In-Lake stations (DWR sampling)
 - Monitoring data through July 2015 posted to the online database
 - Accessible through UNRBA website



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	✓	✓	✓	✓
Aug-2015	✓	✓	✓	✓
Sep-2015	✓	✓		
Oct-2015				
Nov-2015				
Dec-2015				



FY 2016 Program

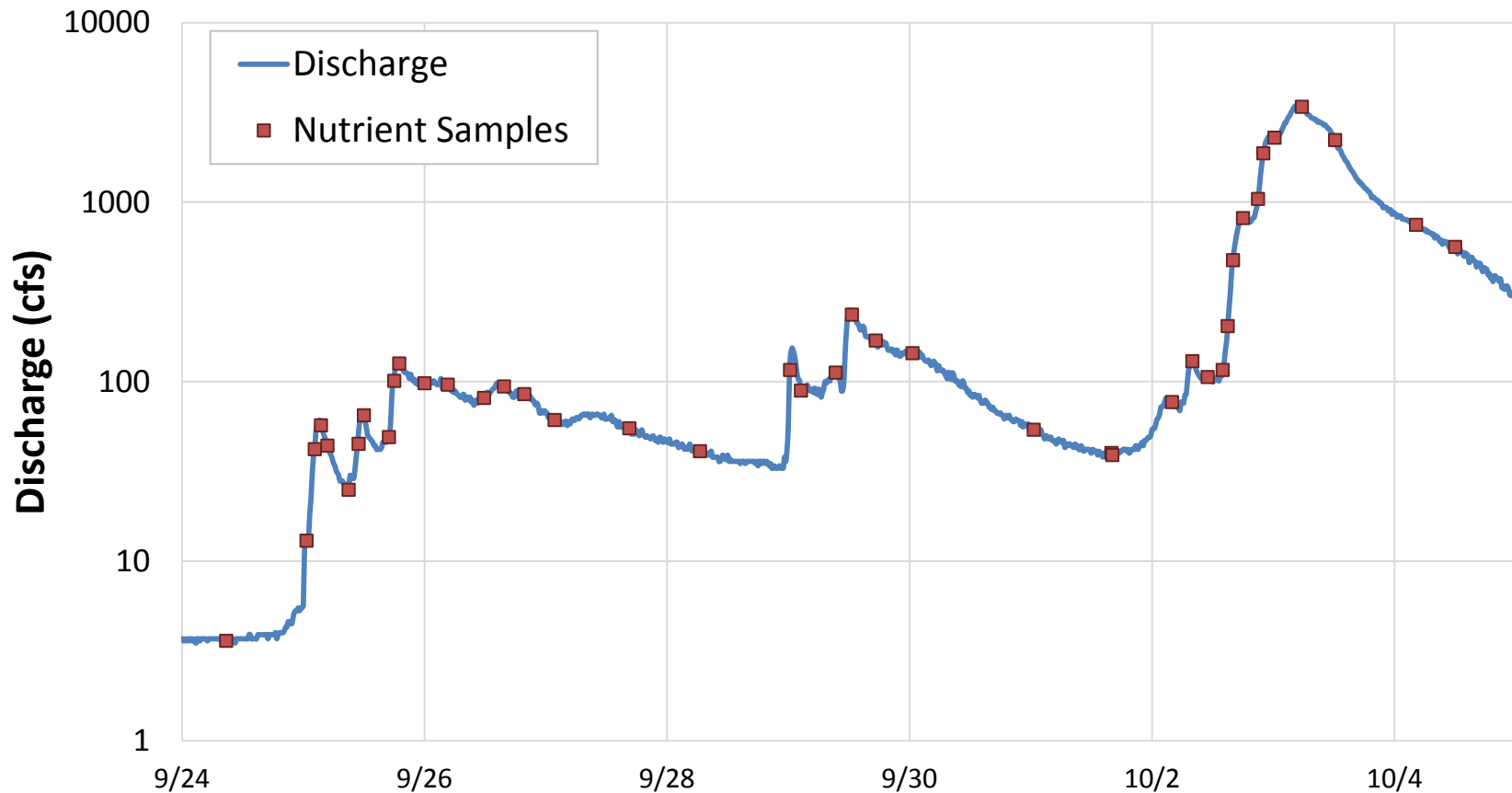
• **Special Studies**

- Sediment Evaluation [Study Plan posted on UNRBA website](#)
 - Laboratory analysis of 20 cores under way
 - Draft report expected from Dr. Alperin this fall
- High Flow Sampling [Study Plan posted on UNRBA website](#)
 - 8 of the Lake Loading Stations
 - Awaiting suitable rain event to perform next event
- Obtain Light Penetration Data [Study Plan posted on UNRBA website](#)
 - Historic light penetration data located on STORET
 - DWR expected to collect new data beginning in October 2016
- Storm Event Sampling [Study Plan posted on UNRBA website](#)
 - Just sampled through extended rainy period on Ellerbe and Eno



Storm Event Sampling – Sept/Oct 2015

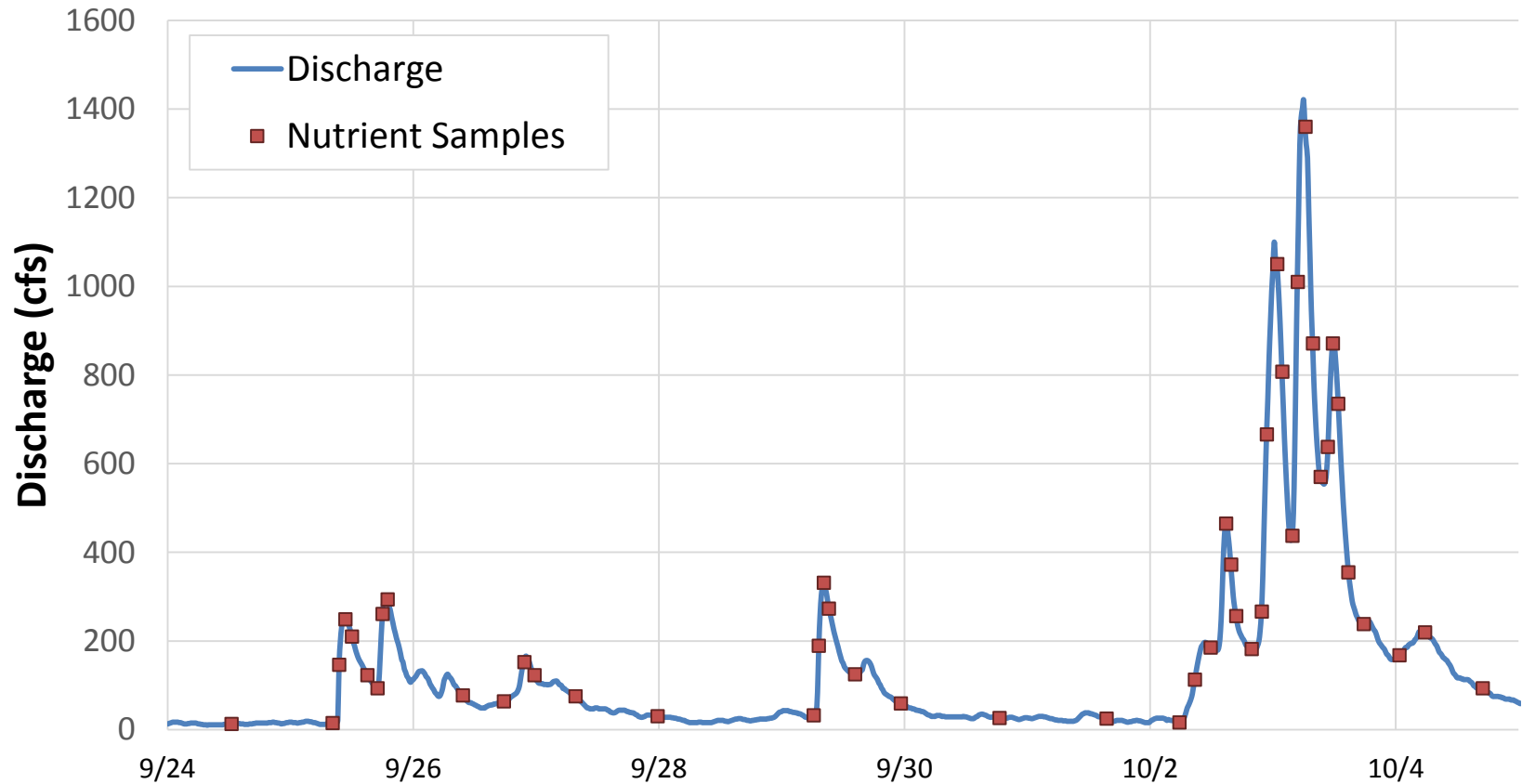
Eno River





Storm Event Sampling – Sept/Oct 2015

Ellerbe Creek





FY 2016 Program

- **Special Studies**

- Basic Evaluation of Model Performance
 - Study Plan under review by Forrest, Jay, Haywood
- Recreational Use Surveys
 - Study Plan under review by Forrest, Jay, Haywood
- Volatile Suspended Solids Measurement
 - DWR now measuring VSS as part of monthly in-lake monitoring
 - Cardno monitoring VSS at Lake Loading Stations
 - Cost covered in Routine Monitoring Budget
 - No Study Plan needed



FY 2016 Program

- **Special Studies**

- Lake Constriction Point Monitoring

- Study Plan under review by Forrest, Jay, Haywood
- Field reconnaissance conducted in August
- Checked bridge crossings for flow during recent rains





FY 2016 Program

- **Monitoring Program Documents**

- Updated Monitoring Plan Document for 2016

- To be finalized following approval of remaining Special Study plans

- Updated QAPP for 2016

- To be finalized following approval of remaining Special Study plans

- Interim Report

- In Preparation
- Covers results through June 2015
- Draft to Forrest, Jay & Haywood soon
- Provided to PFC by the end of October



