



The Upper Neuse River Basin Association: *Re-Examining the Falls Lake Stage II Goals, Monitoring & Analysis*

UNRBA Briefing to the CC 2016.pptx

City Council Work Session

February 18, 2016

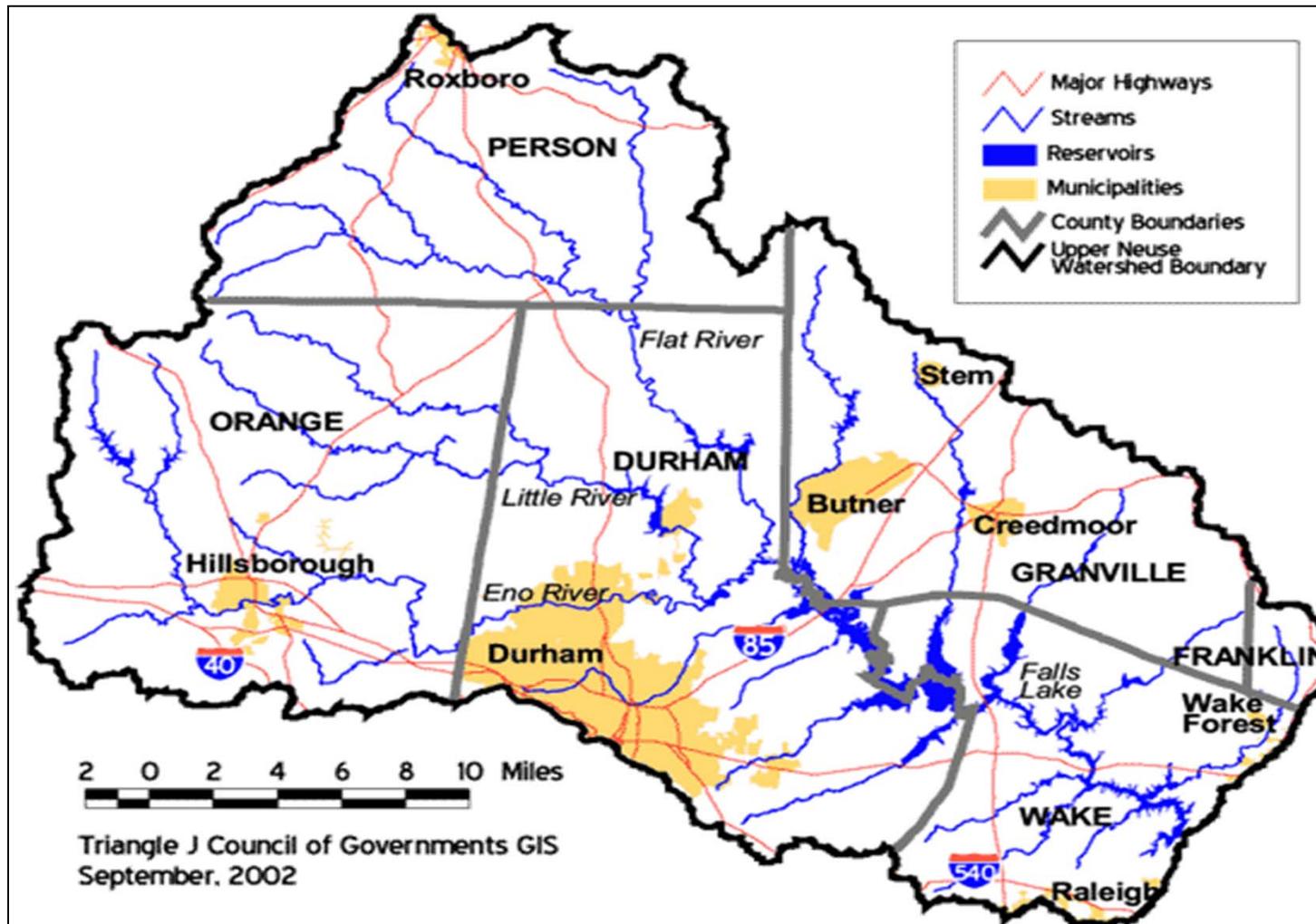
Michelle Woolfolk

Public Works Department

The Upper Neuse River Basin Association



Cooperating through UNRBA benefits Durham



Steps to a Re-examination of Falls Lake (Stage II)

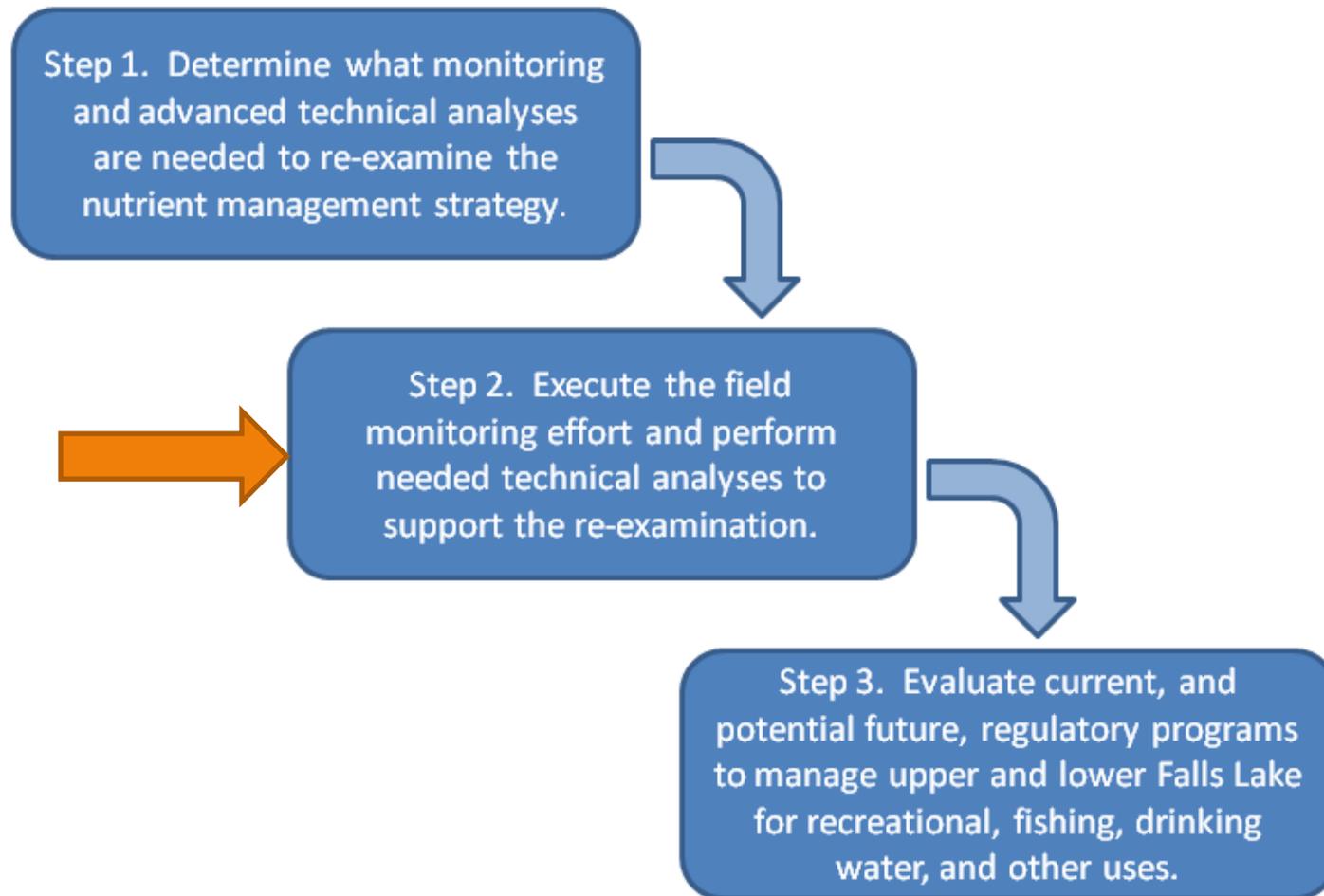
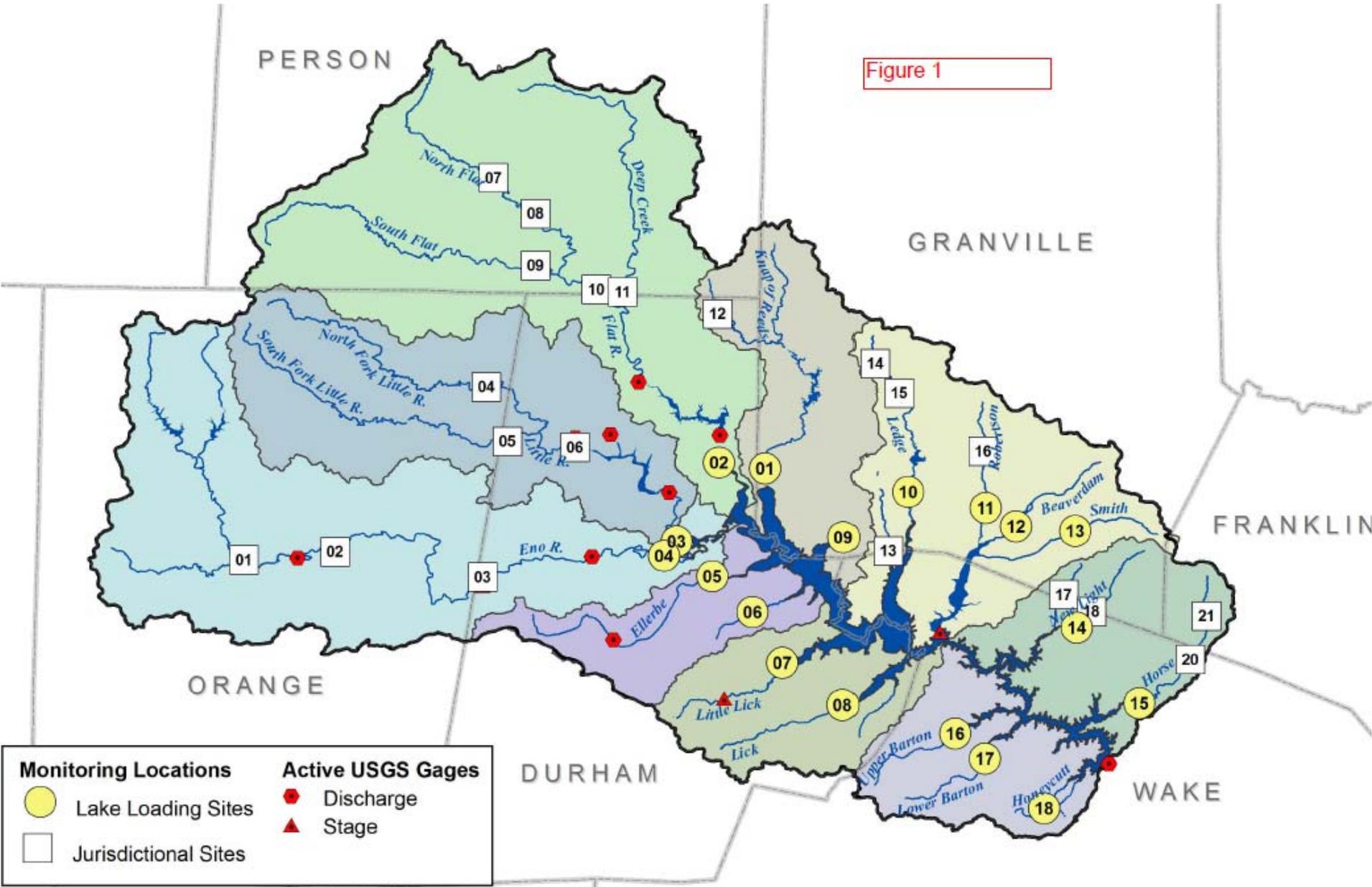


Figure 1



Monitoring Locations		Active USGS Gages	
●	Lake Loading Sites	●	Discharge
□	Jurisdictional Sites	▲	Stage

0 2.5 5 10 Miles

N

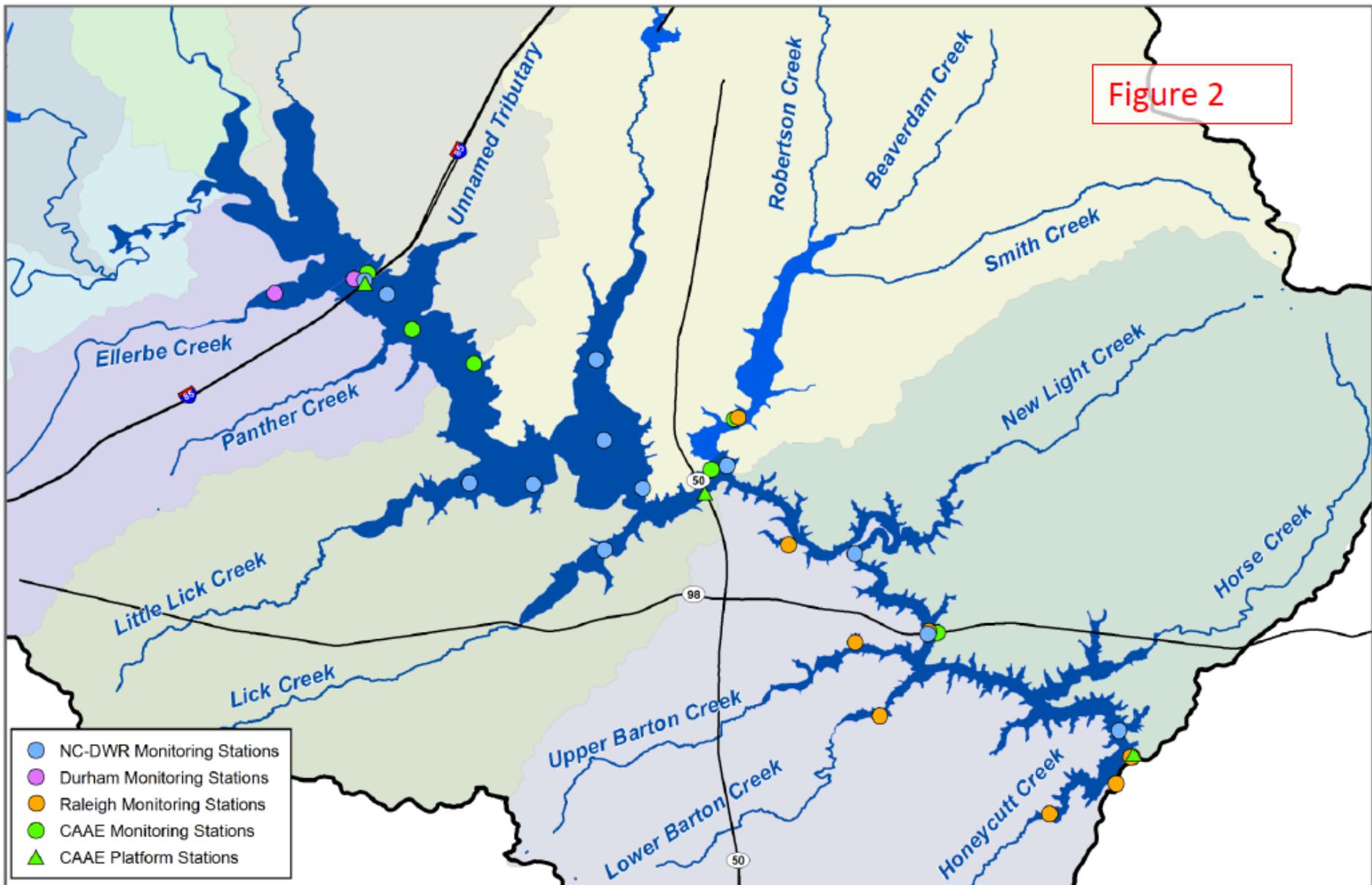
(Rev. January 2015)

UNRBA Monitoring Locations
Upper Neuse River Basin Association
North Carolina

Cardno
Shaping the Future

5400 Glenwood Ave., Suite 0-43, Raleigh, NC 27612 USA
Phone: (+1) 919-239-8993 Fax: (+1) 919-239-8915
www.cardno.com

Figure 2



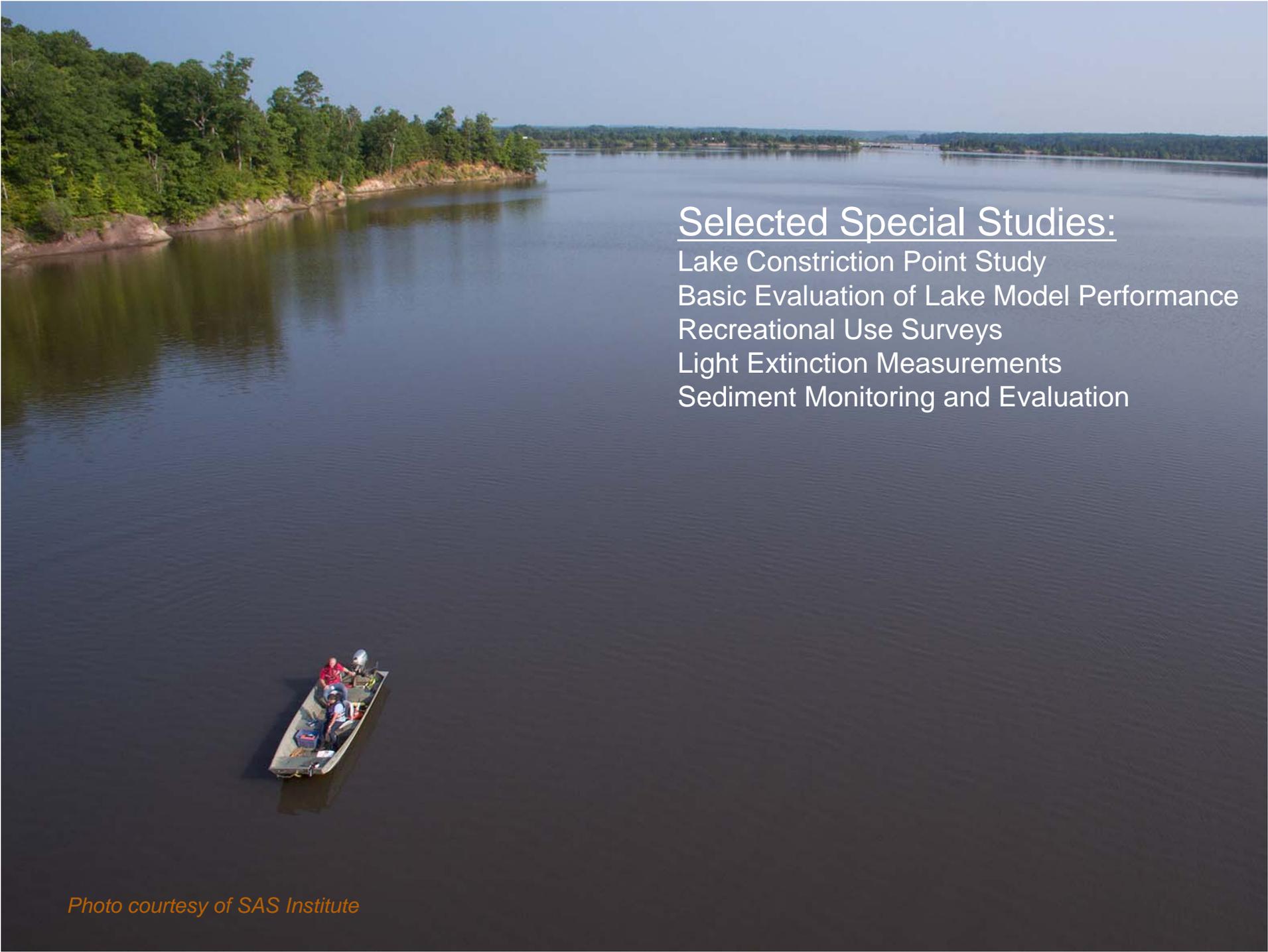
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0 0.5 1 2 Miles

Existing Falls Lake Monitoring Locations

Upper Neuse River Basin Association
North Carolina

5400 Glenwood Ave, Suite G-03, Raleigh, NC 27612 USA
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Selected Special Studies:

Lake Constriction Point Study

Basic Evaluation of Lake Model Performance

Recreational Use Surveys

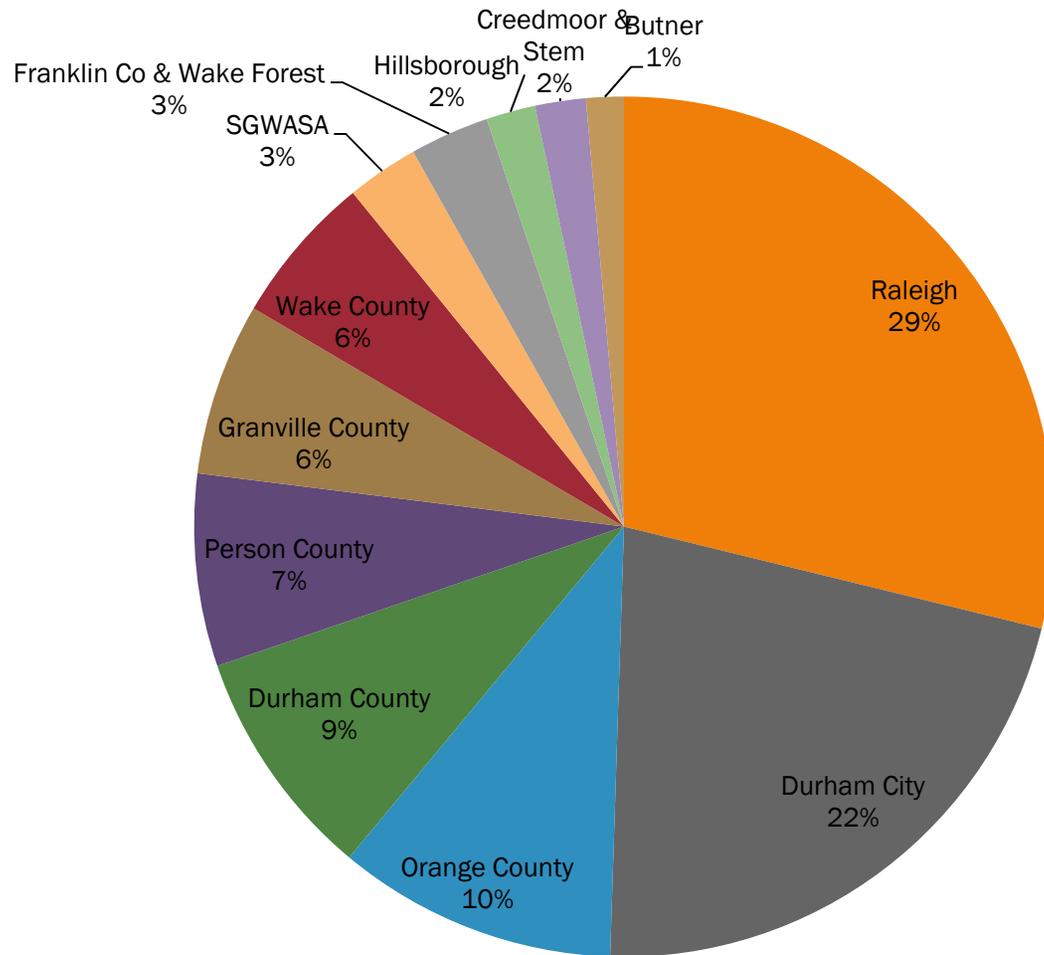
Light Extinction Measurements

Sediment Monitoring and Evaluation

Photo courtesy of SAS Institute

FY2016 Proposed Funding Level

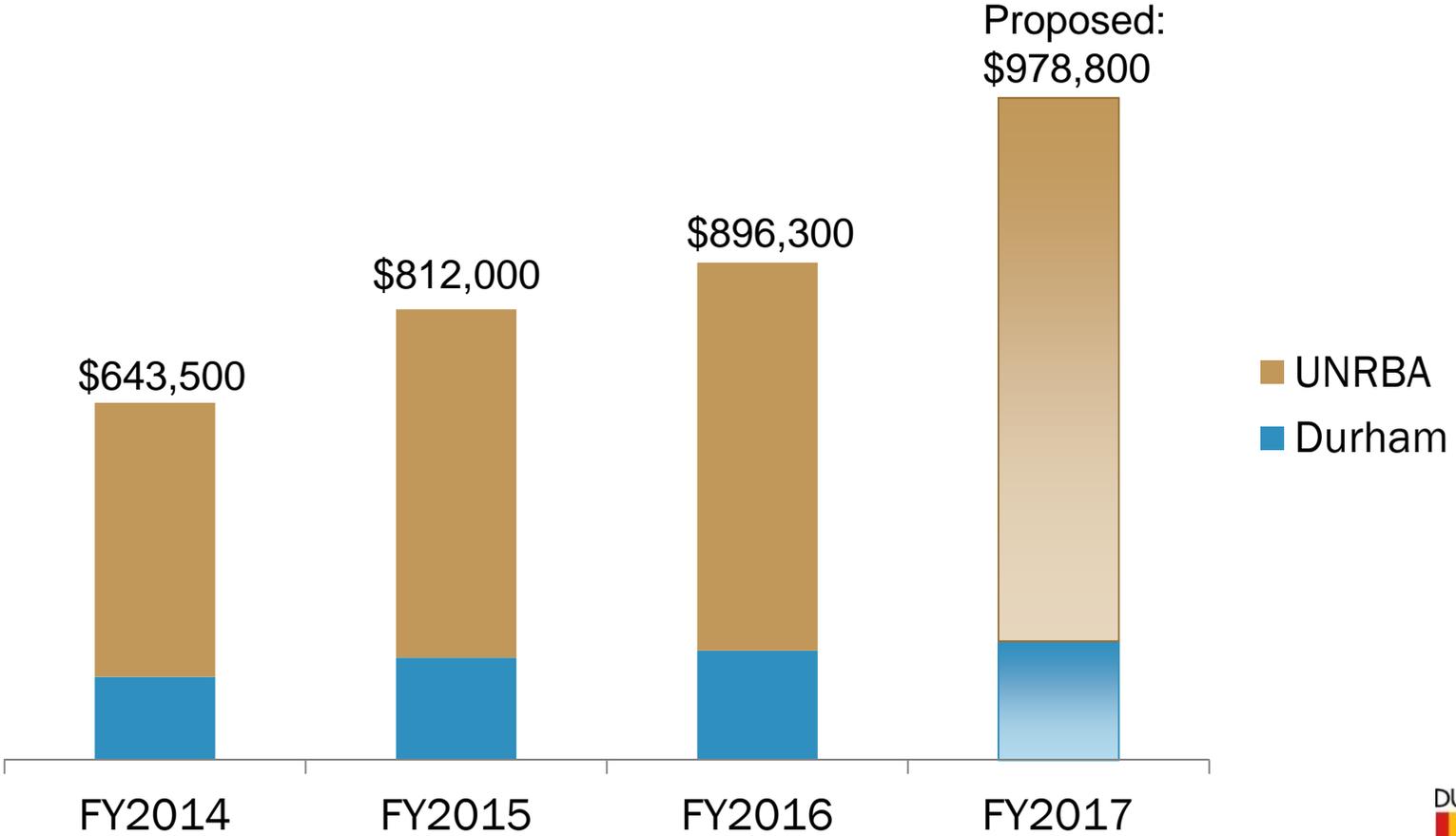
2016-17 Percent of Dues by Jurisdiction



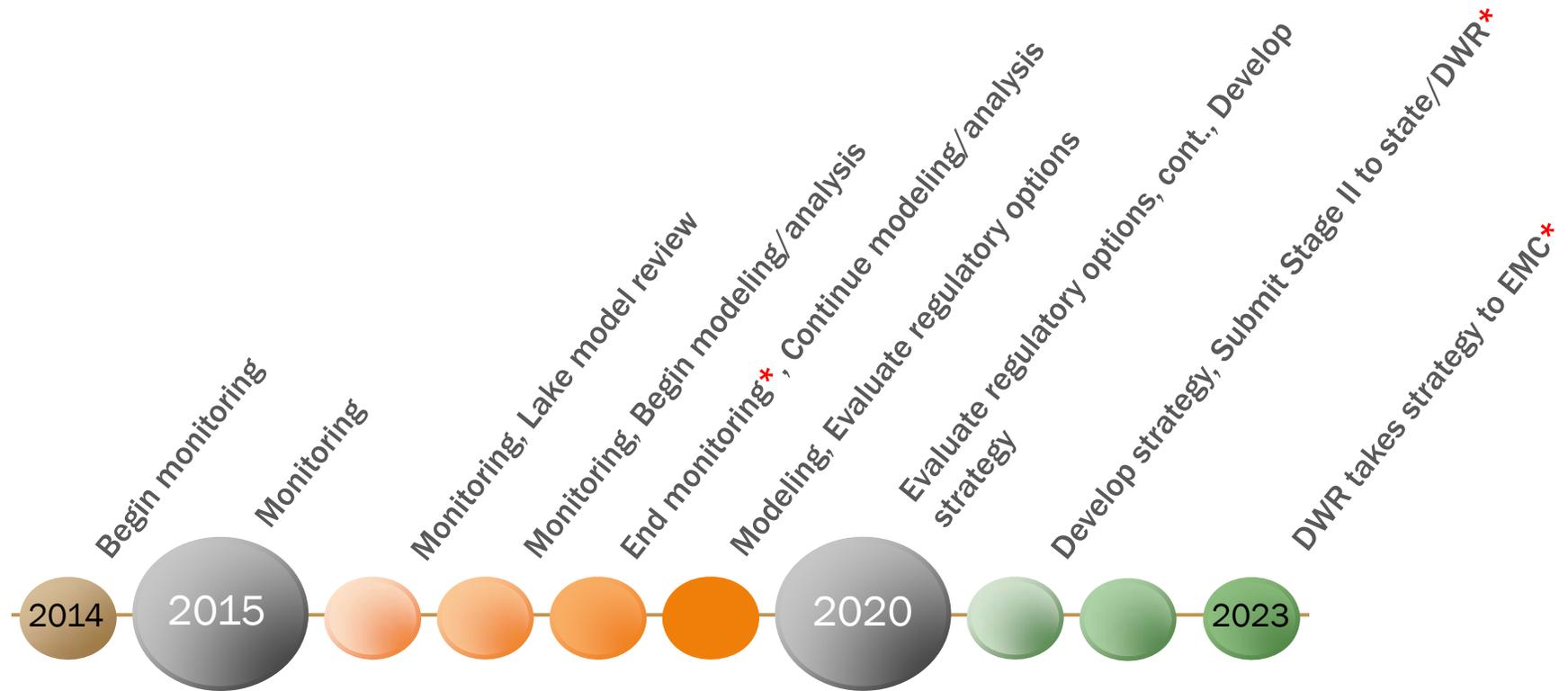
Funding Level: \$978,800.01



UNRBA Funding Levels FY2014 - 2017



Simplified timeline for monitoring, analysis, and regulatory options evaluation



*: Process date may move

DWR: Division of Water Resources

EMC: Environmental Management Commission

Continued support for UNRBA efforts toward the re-examination

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