DATA ACQUISITION FORM

FOR THE UPPER NEUSE RIVER BASIN ASSOCIATION (UNRBA)

FALLS LAKE AND WATERSHED MODELING PROJECT

DISTRIBUTED TO WATERSHED STAKEHOLDERS AND INTERESTED PARTIES

ON OCTOBER 17, 2017

The Upper Neuse River Basin Association (UNRBA) is conducting a reexamination of the Falls Lake Nutrient Management Strategy (the Strategy) following the requirements specified by rule[1]. The requirements include collection of a minimum of three years of water quality data, development of a modeling framework, and revisions to the models used to develop the Strategy and estimate the load reduction targets. Each component of the reexamination requires approval by the Division of Water Resources (DWR). The UNRBA is currently in its fourth year of water quality data collection (https://unrba.org/monitoring-program) and has begun the modeling component of the reexamination (https://unrba.org/reexamination) including development of a Modeling Quality Assurance Project Plan (QAPP). The Modeling QAPP specifies the data to be used in the modeling effort and acknowledges the many entities that collect and manage data which may be used to describe conditions in the watershed.

This Data Acquisition Form is being distributed to stakeholders and interested parties in the Falls Lake Watershed including local governments, utilities, agricultural interests, state and federal agencies, and universities. The UNRBA is requesting that the Form be distributed by the recipients to the appropriate staff within their organizations for each type of data: land use, nutrient management, wastewater, etc. This information will be used by the UNRBA to manage the collection of the data and ensure that all available information is acquired.

The UNRBA is requesting completion and submittal of these forms by **November 8, 2017**. This form is being distributed as a Word document so that entities can complete and modify the form as needed to best fit their needs. Pages of the form that are not applicable may be marked us such. Please return electronic forms by email to the following addresses: forrest.westall@unrba.org, amatos@brwncald.com, and lhandsel@brwncald.com. [Instructions for uploading the requested data and metadata will be distributed soon.]

The UNRBA looks forward to working with all the stakeholders and interested parties on this important project. Accurate characterization of the watershed and sources of nutrient loading to the lake will be critical to the success of the project, and we welcome input and information from all sources. The next stakeholder meeting will be on October 25th at 9:30 am in the Butner Town Hall during which we will discuss the data needs of the watershed model. An agenda and meeting materials will be distributed prior.

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[1] N.C. Rules Review Commission. 2010. Falls Nutrient Strategy Rules Approved by the RRC on December 16, 2010. Effective Date - January 15, 2011.

Land Use / Land Cover Data (2005, 2006, 2007; 2014, 2015, 2016, 2017, 2018)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Land Use/Land Cover ☐ Parcel ☐ Impervious Cover ☐ Satellite Imagery ☐ Crop acreages/rotations ☐ Ground truthing ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Nutrient Management (Agricultural Fertilization) (2005, 2006, 2007; 2014, 2015, 2016, 2017, 2018)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Type ☐ Application rates, timing, methods ☐ Best practices ☐ Crop nutrient budgets ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Nutrient Management (Urban Fertilization) (2005, 2006, 2007; 2014, 2015, 2016, 2017, 2018)

Form completed by_____(Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Type ☐ Application rates, timing, methods ☐ Best practices ☐ Plant nutrient budgets ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Urban Best Management Practice/Structural Control Measure Data (2000 to present)

Form completed by⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Spatial database ☐ Volume/water quality credits ☐ Programmatic information ☐ BMP Monitoring Data ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Agricultural Best Management Practice and Nutrient Reduction Practices Data (2000 to present)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Spatial database ☐ Volume/water quality calculations ☐ Programmatic information ☐ Cost sharing information ☐ Monitoring Data ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Onsite Wastewater Disposal Data (2000 to present)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Inventories ☐ Failure Rate Studies ☐ Complaints ☐ Monitoring Studies ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Wastewater/Biosolids Data (2005, 2006, 2007; 2014, 2015, 2016, 2017, 2018)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Discharge Monitoring Data ☐ Sanitary Sewer Overflows ☐ Complaints ☐ Land application rates and timing ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Animal Operation Data (Feeding Operations, Horse Farms, Kennels, etc.) (2005, 2006, 2007; 2014, 2015, 2016, 2017, 2018)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Location and Animal Type ☐ Maximum Permitted and Actual Animals ☐ Operational info. ☐ Waste and carcass disposal methods ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Impoundment Data (All available data for stage-discharge, volume, or bathymetric surveys; 2005, 2006, 2007, 2014, 2015, 2016, 2017, 2018 for water quality data and withdrawal rates)

Form completed by_____ (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Stage-Discharge, Volume ☐ Water Quality Data ☐ Withdrawal Rates ☐ Bathymetric surveys ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	

Soils Data (All available information)

Form completed by   (Name, Title, Organization, Contact Information)

Primary Contact	
Follow-up Contact	
Types of data	Chemistry ☐ Partitioning ☐ Erosivity ☐ Field capacity/saturation moisture ☐ Other ☐
Years data available	
Format	
Spatial extent	
Resolution	
Metadata provided (yes/no)	
Anticipated delivery date to UNRBA	
Notes or concerns about use of data; lessons learned from previous projects	
Other organizations that may provide duplicate data set/collaborators on data collection	