

## **RRBC 2011 Fall Intern Projects**

### Rivanna Information Clearinghouse - September through November 2011

- Locate, review, and draft 1-paragraph summaries (or Executive Summary) of all available reports and plans that relate to the Rivanna watershed.
- Organize for use by the general public and RRBC staff.
- Prepare documentation for upload to RRBC web site.  
Estimated time commitment - 5 hrs per week

### Water Budget for the Rivanna Watershed -

September through November 2011/May 2012

- Establish a water budget for the Rivanna watershed based on all withdrawals (existing and planned)
- Review all water supply plans submitted to DEQ for Rivanna withdrawals for overlaps and conflicts
- Establish “revenue-sheds” for water authorities vs water supplies
- Analysis of above using GIS  
Estimated time commitment - 10 hrs per week  
Experience required: water budgets, water resource planning, GIS

### Rivanna “Snapshot” Data Analysis - September through November 2011

- Provide support to RRBC staff in locating, assessing, and analyzing available data to support development of Rivanna Snapshot  
Estimated time commitment - 10-15 hrs per week  
Experience required: data analysis, GIS

### Stormwater Regulations in the Rivanna Watershed

- September through November 2011

- Identify and collect all E/S and stormwater-related regulations presently in place for each of the four Rivanna jurisdictions: City of Charlottesville and the counties of Fluvanna, Albemarle, and Greene (include state and local regulations).
- Identify all existing federal guidance or rule making on stormwater management.
- Summarize the new stormwater management regulations as per the Virginia General Permit and Virginia Stormwater Regulations for New Development, including revisions and effective date(s).
- Prepare spreadsheet/flow charts to show:
  - Regulatory and administrative requirements for development (or retrofit) from initial land-clearing to final landscape/building for each locality as per present regulations
  - The changes between present regulations and new regulations
- Develop one-pager for each Rivanna locality that shows responsibilities, points of contact, and generally summarizes the information (above) as applicable to each locality, suitable for use on Rivanna River Basin Commission website.  
Estimated time: 25 - 40 hours