APNEP Scientific and Technical Advisory Committee Water Resources Meeting Agenda March 26, 2013 Auditorium, Pitt County Office Complex, 403 Government Circle Greenville, North Carolina 27834

- Co-Chair welcome
- Approval of fall (November 30) meeting minutes
- Workshop objectives

- 12:00 p.m. Flow and Mass Transport in River Basins of the Eastern U.S.: Characteristics, Trends and Implications for Estuarine Health.......Spruill

Tim Spruill, STAC member and retired USGS hydrologist, will present information on flow and transport of materials from uplands to the oceans and how they are important in maintaining ecosystems. Changes in flow, due either to managed or natural causes, can effect dramatic changes in ecosystems, water chemistry, and geomorphology. This talk will examine characteristics of flow, sediment, and nutrient loading along the east coast and investigate trends in flow and mass loading over the last 50 years and consider, using this information, how various flow and land-use management options may influence ecological health of lakes and estuaries.

- 12:30 p.m. Working Lunch: North Carolina Ecological Flows Science Advisory Board......Christian Dr. Robert Christian, Distinguished Research Professor, Department of Biology, East Carolina University and STAC alumnus, will give an overview of the NC Division of Water Resources' Ecological Flows Science Advisory Board progress since its inaugural meeting in November 2010 and their plans to complete their report in 2013, including how the Board will address issues unique to the Coastal Plain.
- 3:30 p.m. Adjourn

Note: The scheduled times for issue topics are estimates and may vary during the meeting.