Ecological Flows Action Team

Albemarle-Pamlico National Estuary Partnership
10:30 pm - 3:00 pm
May 9th, 2017

Archdale Building – Conference Room 1109
512 N. Salisbury St.

AGENDA

Welcome and Introductions — **Dr. Coley Cordeiro**

Caimee Schoenbaechler, — **Dr. Mike O'Driscoll**
Texas Water Development Board's Bay's and Estuaries Program

APNEP CCMP – Action Items Brief Overview — **Dr. Dean Carpenter**

Action A3.3: Develop and refine ecological flow requirements for each major river. Many of the fish, aquatic plants, and other species that live within the estuarine system depend on flowing water to survive. Identifying these ecological flows will help ensure that these species and ecosystems are protected.

Action D3.2: Facilitate the development and implementation of basinwide water management plans to ensure no less than minimum in-stream flows are maintained. APNEP will work to provide scientific information and engage regional stakeholders to develop and implement water management plans that fully account for both human and ecological demands

Data Availability — **Cait Skibiel**

PHASE I: Data Compilation

1. Identify sources of flow, surface and groundwater, data in Coastal Plain water ways in the APNEP region of North Carolina and Virginia (the Chowan, Roanoke, Pasquotank, Tar-Pamlico, and Neuse River basins that make up the Albemarle-Pamlico Sound). Gather, or centrally link to, available (real-time and historical) hydrologic data (discharge, water level), water quality data (specific conductivity, salinity, dissolved oxygen, temperature, and pH), geomorphological data (watershed area, slope, elevation, channel cross-sectional area), and meteorological data (precipitation, temperatures, wind, etc.). These data may come from established monitoring efforts, short-term research projects, or other sources.

2. Identify and gather sources of flow alterations (e.g., withdrawals from agricultural, urban, industrial sectors; dams, etc.; discharges from wastewater treatment plants, industrial operations, NPDES permits, etc.

3. Develop a data storage (or collection)/analysis platform (spreadsheet or database).

Trends in Water Use — **Dr. Mike O'Driscoll**

General discussion, ideas, next steps — **Action Team Only**

Suggested Team Members — **Action Team Only**

Adjourn