

**APNEP Scientific and Technical Advisory Committee  
Winter Meeting Agenda  
January 27, 2011**

**North Carolina Department of Environment & Natural Resources Regional Office,  
943 Washington Mall, Washington, North Carolina 27889**

- 10:00 a.m. Call to Order and APNEP Update.....Laney**  
Wilson Laney, STAC Co-Chair, will call the meeting to order.
- Welcome
  - Moment of silence in memory of STAC colleague Dr. Mark Brinson
  - Approval of fall meeting minutes
  - Public comments
- 10:15 a.m. APNEP Update .....Carpenter**  
Dean Carpenter, APNEP Program Scientist, will update members on APNEP activities since the fall STAC meeting.
- 10:30 a.m. Presentation: Assessing Water Quality by Application of a Regional Regression Model of Nitrogen Transport.....Hoos**  
Anne Hoos, Hydrologist with the U.S. Geological Survey's National Water Quality Assessment Program, will share project results and insights of applying the SPATIally Referenced Regressions On Watershed (SPARROW) model in the Southeastern United States, including lessons learned for future applications of empirical models to the A-P Region.
- 11:15 a.m. Presentation: Assessing and Managing the Impact of Urbanization on Stream Ecosystems by Application of a Bayesian Model.....Kashuba**  
Roxolana Kashuba, Environmental Modeler with the U.S. Geological Survey, will share research results and insights of applying a statistical model that links urbanization to the Biological Condition Gradient (BCG) of stream ecosystems using a Bayesian Network.
- 12:00 p.m. Working Lunch: CCMP Development Update.....Carpenter, Havens**  
Dean Carpenter and Kirk Havens, STAC Executive Board member, will brief members on progress in developing APNEP's 2011 Comprehensive Conservation Management Plan (CCMP).
- 12:45 p.m. Presentation: Assessing Long-Term Intertidal Oyster Reef Restoration.....Fodrie**  
Joel Fodrie, STAC member, will brief members on the results of an APNEP-funded research project in the Rachel Carson National Estuarine Research Reserve, where his research team assessed the importance of landscape position and deployment depth in the evolution of 15-year-old restored *Crassostrea virginica* reefs.
- 1:30 p.m. Presentation: Assessing the Regional Impact of Future Climate Change on Coastal Vegetation by Application of a Watershed Simulation Model.....Reyes**  
Enrique Reyes, STAC member, will brief members on the results of a NOAA-funded research project that featured a section of landscape in the lower Neuse Basin. A watershed simulation model incorporated future scenarios of increased storm frequency and intensity, variable precipitation and drought, and increased sea-level rise to examine wetland survival potential.

- 2:15 p.m.      Presentation: Assessing North Carolina’s Forest Resources.....Jones**  
David Jones, Forestry Non-Point-Source Senior Specialist with North Carolina’s Division of Forest Resources, will share approaches in crafting a statewide 2010 Forest Resources assessment, including lessons learned that could benefit assessors who are contributing to APNEP’s 2011 ecosystem assessment.
- 2:45 p.m.      Action Items.....Laney**  
STAC Co-Chair Laney will confirm Committee action items to be completed by the STAC spring meeting (April 27).
- 3:00 p.m.      Adjourn**

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