**White Clay Wild and Scenic Symposium**

**September 25, 2012**

**Stroud Water Research Center**

**9:00 a.m. – 4:00 p.m.**

**9:00 WELCOME**

**Dr. Bernard Sweeney**

*President, Director, Senior Research Scientist, Stroud Water Research Center*

**Jennifer Egan**

*White Clay Wild and Scenic Management Plan Coordinator, White Clay Wild and Scenic Program*

**9:30 CRITICAL ZONE OBSERVATORY**

**Christina River Basin (CZO): A National Resource for 21st Century Earth Surface Sciences**

Dr. Anthony Aufdenkampe

*Associate Research Scientist, Stroud Water Research Center*

**Using Chemistry to Determine Sediment Source in the White Clay Creek**Dr. Diana Karwan

*Post Doctoral Researcher, University of Delaware Department of Geological Sciences and Stroud Water Research Center*

**Rates and Patterns of Particle Transport in Piedmont Watersheds: Why Restoration May Not Improve Estuaries Downstream**

Dr. Jim Pizzuto

*Professor, Geological Sciences, University of Delaware*

**Assessing the Effects of Canopy-derived Nutrient Fluxes on Key Soil Ecosystem Services**

Dr. Carl Rosier

*Post Doctoral Researcher, Delaware Environmental Institute, University of Delaware*

**11:30 Lunch, tour of Morehead Environmental Complex, and Poster Session**

**1:00** **RESEARCH AND ITS APPLICATION IN THE WHITE CLAY CREEK WATERSHED**

**Free the Shad!**

Gerald Kauffman

*Director, Water Resources Agency, University of Delaware*

**Conservation Status and Potential Water Quality Benefits of Freshwater Mussels in the White Clay Creek and Vicinity**

Dr. Danielle Kreeger

*Science Director, Partnership for the Delaware Estuary*

**Stream Fish Dispersal and Growth in Wooded and Meadow Reaches of the White Clay Creek**Dr. William Eldridge

*Associate Research Scientist, Stroud Water Research Center*

**Christina Basin TMDL Implementation Plan (CTIP): Meeting Regulatory Requirements and Making Watershed Improvements**

Kathy Bergmann

*Red Streams Blue Program Coordinator*, *Brandywine Valley Association*

**3:00** **CLOSING COMMENTS**

**Jennifer Egan**

**3:30 OPTIONAL: ENVIRONMENTAL SENSING NETWORK & SAMPLING INFRASTRUCTURE TOUR**

**Steve Hicks**

*Sensor Network Development Engineer, Stroud Water Research Center*