

What is a Watershed?

A watershed is the area of land where all of the water that is under it or drains off of it goes into the same place. John Wesley Powell, scientist geographer, said that a watershed is: "that area of land, a bounded hydrologic system, within which all living things are inextricably linked by their common water course and where, as humans settled, simple logic demanded that they become part of a community."

(http://water.epa.gov/type/watersheds/whatis.cfm)



Watershed Watch

The underlying premise of Watershed Watch is that much of the best learning is derived from doing; that science, like art, is most inspiring when experienced.

The University of New Hampshire (UNH), The College of the Albemarle (COA), and Elizabeth City State University (ECSU), developed Watershed Watch (WW) as an exciting, inquiry-based experience that makes science more accessible, authentic, and socially-relevant for undergraduates.

In particular, Watershed Watch was designed to engage students in hands-on use of geospatial technologies (GST) in an integrated, multidisciplinary study of two very different watersheds: the Merrimack in NH and the Pasquotank in NC.

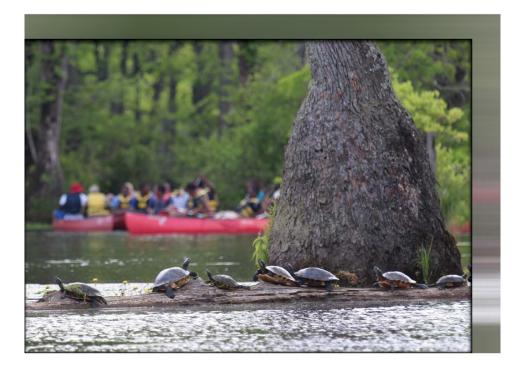
This partnership between UNH and ECSU, based on a unique combination of expertise, mentoring

skills, and faculty research, has formed the basis for development of an effective model to increase STEM majors.



WATERSHED WATCH

Summer Closing Program
May 31, 2013





University of New Hampshire :: Elizabeth City State University

http://nia.ecsu.edu/ww/ww.html

2013 WATERSHED WATCH PROGRAM TEAMS

Abstracts and Posters can be viewed at: http://nia.ecsu.edu/ww/summer13/summer13_essays.htm



Analyzing Factors that Influence Loblolly Pine (Pinus taeda) at Elizabeth City State University

Kalyx McDonald, Courtney Farmer, Jazette Johnson, Malcolm McConner, Alicia Reynolds Mentor: Barry Rock

The Watermark Project: Human Actions Impacting the Quality of Water

Michael Cobb, Kelechi Onyiriuka, Robin Brice, Anthony Lynn, Dorothy Brice

Mentor: Jeff Schloss

How Campus Development Affects Forest Growth

Ricky Dixon, Jessica Hathaway Mentor: Annette Schloss

Determination of an Empirical Model Relating Canopy Cover to NDVI Values in the Pasquotank Watershed, NC

Michael Chamberlain, Jimil Perkins, Emma Reeves, Rashad Williamson

Mentor: Stephen Hale

University of New Hampshire Mentors



Dr. Barry Rock

Professor Emeritus
Forestry/Botany/Remote Sensing
Institute for the Study of Earth,
Oceans, and Space
PI-Watershed Watch



Dr. Stephen Hale

Research Associate Joan and James Leitzel Center for Mathematics, Science, and Engineering Education



Dr. Annette Schloss

Research Scientist
Earth Systems Research Center
Institute for the Study of Earth,
Oceans and Space



Mr. Jeff Schloss

Professor, Biological Sciences

UNH Freshwater Biology Center for Water Resources Specialist with UNH Cooperative Extension





Dr. Linda Hayden

Director, Center of Excellence in Remote Sensing Education and Research Co-PI Watershed Watch

SCHEDULE OF ACTIVITIES • May 31. 2013 •

9 - 9:45am Placement of Tree Plaques :: Outdoor Classroom

The History of the Outdoor Classroom (Alicia Reynolds)

Who was Dorothy Thomas? (Dorothy Brice)

What is a Loblolly Pine? (Emma Reeves)

Placement of Tree Plaques

Closing Remarks by ECSU Chancellor Willie Gilchrist

10 – 11:15am Watershed Watch Poster Session :: Jenkins Science Center Lobby Welcome by Dr. Harry Bass, Dean, School of Math, Science and Technology

Watershed Watch Poster Session (teams listed to the left)

11:30-1:00pm Luncheon at Golden Corral Restaurant

Program Reflections

Travel Reports from Merchants Mill Pond, Virginia Beach, Manteo

Michael Chamberlain, Malcolm McConner, Robin Brice, Kalyx McDonald

Research Techniques Learned: Data Collecting, Data Analysis, Reporting Kelechi Onyiriuka, Jessica Hathaway. Ricky Dixon, Rashad Williamson

Journaling

Jimil Perkins, Anthony Lynn, Michael Cobb, Jazette Johnson

Lunch

Remarks from the Program Faculty: What we learned about this NC Watershed

Dr. Annette Schloss, Dr. Stephen Hale, Mr. Jeff Schloss, Dr. Linda Hayden

Presentation of Certificates and Stipend Checks



Upcoming Events

Globe Training, ECSU > June 7-8, 2013

CReSIS Middle School Program, ECSU & June 17-28, 2013

IGARSS 2013 - Melbourne, Australia & July 21-26, 2013

NASA NICE Workshop for MSI Faculty, UNH & July 29 - August 2, 2013

Science Gateway Workshop, ECSU & August 6-8, 2013

STC Directors Meeting, Portland, OR & August 22-23. 2013

IGS Symposium, University of Kansas & September 9-13, 2013